



# Flora News

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

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Dear Flora Group Member,

The Flora Group committee members hope that you had an enjoyable time botanising this summer and we look forward to seeing you at some of the events in the autumn and winter.

We are always keen for more people to provide contributions to Flora News on any relevant botanical topics. If you have enjoyed any 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 Chatters (Flora Group Secretary) whose address is at the end of this newsletter.

Following a discussion at the AGM, the Flora Group Committee are considering the possibility of arranging a residential weekend on the Isle of Wight, possibly in mid June 2009. If you are interested in this idea and are keen to spend a couple of days getting to know the Island's plants and varied habitats, please contact Catherine by the end of October 2008. Depending on the level of interest, the Committee can then decide whether to organise such an event and can investigate suitable accommodation and travel arrangements.

## 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 20 September 2008, 10.30am**

**Leaders: Dominic Price and Martin Rand**

**Joint Plantlife / Hampshire Flora Group meeting  
Hampshire Rare Plant Register / Plantlife Survey,  
East Beaulieu Heath**

This meeting is to check out sites for Marsh Clubmoss (*Lycopodiella inundata*) in and around East Beaulieu Heath, where a number of older records have not been re-confirmed recently. There will also be an opportunity to hunt for some older records of Pillwort (*Pilularia globulifera*), Hampshire-purslane (*Ludwigia palustris*) and Slender Marsh-bedstraw (*Galium constrictum*). After the meeting, those unfamiliar with the area can be shown a nearby site for Coral-necklace (*Illecebrum verticillatum*).

Meet at the Forestry Commission car park at Dibden Inclosure (SU406055), which is reached by a gravel track turning N from the B3054 Beaulieu road just SW of the roundabout and junction with the A326 Hythe by-pass. No booking needed, but please bring any of the following you possess: GPS, mobile telephone, clipboard. Further details from Martin Rand, phone 07957 361015 or email [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk).

**Sunday 19 October 2008, 10.30 am**

**Leader: Neil Sanderson**

**Lichen Identification, Wood Crates & Acres Down  
New Forest**

If you are keen to learn about lichens in the New Forest, join lichen expert Neil Sanderson for a fascinating session this autumn. Meet at the Millyford Bridge Car Park (SU268 079), which is off the Emery Down to Bolderwood road. This introduction to lichens will cover their identification and ecology. We will look at two contrasting habitats, ancient pasture woodlands rich in epiphytic lichens in Wood Crates and heathland with a diversity of ground growing lichens with many *Cladonia* species. Bring a hand lens if you have one. Neil Sanderson 023 0829 3671 or 07765 648149.

**Thursday 6 November 2008, 10.30am – 12.30pm**

**Conservation work party for *Filago lutescens*, Red-tipped Cudweed.**

**Leader: Tony Mundell**

Meet 10.30am north of Fleet at SU813563, at the entrance to Broomhurst Farm, beside the B3013, just north of the bridge over the M3.

This is an annual event, but only takes a couple of hours. Please, please, come and help! The main aim

is to disturb the sandy soil so that seeds of this very rare annual plant can germinate. A secondary aim is to remove encroaching scrub nearby. Some tools will be provided but bring stout gloves and a mattock or garden fork if you have one.

Contact: Tony Mundell 01252 614516.

**Saturday 6 December 2008, 11am – 4pm  
Flora Group / BSBI Exhibition Meeting  
Testwood Lakes Centre, Totton, SU345155**

We will continue this traditional autumn get-together / social event, but please note that this year we are starting earlier in the morning to make it less rushed. So 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 slide projector and a digital projector will be available, so please can you bring a few 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.

**Saturday 17 January 2009, 10.30am  
Moss and Liverwort identification training  
Leader: Dr June Chatfield**

**Field session at Kingsley Common in morning, followed by in-door session at Gilbert White Field Studies Centre at Selborne in afternoon.**

Following the excellent training session at Selborne in November 2007, June Chatfield has kindly offered to lead another identification training day to help us recognise mosses and liverworts, this time concentrating on those that grow in heathland habitats. The morning will be spent at Kingsley Common. Meet at Kingsley in the car park to the south of the B3004 near The Cricketers pub and the Church at grid reference SU 789382 at 10.30am. The car park is opposite The Kingsley Centre. Please bring a hand lens if you have one and a packed lunch. We will spend the afternoon at the Gilbert White Field Studies Centre which is at the top end of the public car park behind 'The Selborne Arms' in Selborne on the western side of the B3006 (SU 742335). Please note that donations will be requested from people attending this event, to contribute towards the cost of using the excellent facilities at the Field Studies Centre.

Since the event last November, June has managed to obtain copies of the BBC Wildlife bryophyte identification guides. If you would like a copy please contact June direct on 01420 82214 and send a SAE (11cm x 22cm) with two 1st class stamps to her at Anglefield, 44 Ashdell Road, Alton, GU34 2TA.

June's book titled 'How to Begin the Study of Mosses and Liverworts' has now been published. It includes information on the habitats where mosses grow, a section on the growth form of mosses, advice on what features to look for, information on mosses in the wild and a section to help with identification of mosses using a microscope. David Bellamy has written the foreword. Copies cost £5.50 each and can be obtained from the Gilbert White Museum in Selborne and from the Queen Elizabeth County Park on the A3 south of Petersfield.

***Advance notice for your diaries (full details in Flora News Spring 2009)***

**Spring 2009: Advance Notice  
Leaders: Martin Rand and Tony Mundell  
Improvers' Workshop**

This workshop is for the 95% of us who love wild plants and have used a popular flower guide, but are daunted by the prospect of 'big floras' and technical jargon. Using fresh specimens, instruments and a wide range of literature, it will demonstrate terminology, tools and techniques and help you to go farther on your own.

Some of the topics to be covered.

- **36 ways to say "hairy"**: a look at some of the baffling terms and a guide to learning more.
- **Bits you never even knew were there**: some finer details of plants, and hints on buying and using hand lenses and dissecting microscopes.
- **Which way to turn**: getting to grips with the bane of everyone's life: dichotomous and multi-access keys.
- **Worth a thousand words?** What different kinds of picture can tell you; examples of the good, the bad and the ugly.
- **...but some are more equal than others**: a comparison of the floras and handbooks available.

The meeting has yet to be arranged but is likely to be in April at one of the Wildlife Trust's study centres. Please register an interest in this meeting by the end of November at the latest with Martin Rand, phone 07957 361015 or email [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk), so that he knows likely numbers and the best location.

***Advance notice for your diaries (full details in Flora News Spring 2009)***

**Sunday 7 June 2009, 10.30am  
Flora Group AGM at Blashford Lakes**

Having enjoyed the hospitality of north Hampshire for our 2008 AGM, we move south in 2009 to Blashford Lakes on the Dorset-Hampshire borders.

The Blashford Lakes are a series of old mineral workings that are bounded on one side by the floodplain of the Avon Valley and on the other by the open heaths of the New Forest. Within living memory this landscape has been transformed from arable farmland to an aerodrome and then through mineral working to a complex of lakes, woodland and acid grasslands. This is a large site, over two kilometres from north to south and well over a kilometre wide.

Our visit in the tail-end of spring gives us opportunities to look at the extensive areas of breckland-like parched lichen heaths. These extra-ordinary habitats have formed over the rawest and meanest soils and have become colonised by many specialist species of coasts and heaths. Be prepared for botany on a small scale with knee pads and a hand lens if they help you. There are also areas along the recently restored river with ancient trees and grazed swampy grasslands. The lakes themselves have gained a reputation amongst bird watchers for turning up rarities and there will be opportunities to visit the whole site which includes many kilometres of level paths and easy access bird hides. We will have access to the education centre during our visit with its classroom, kitchen and toilets.

If you have never been to Blashford before then you are in for a treat. If you have visited in the past then do come again and see how it is changing.

Meet in the car park at SU155082 at 10.30am. The AGM will be held at lunchtime. Please therefore bring a packed lunch if you want to make a full day of it.

**Advance notice for your diaries (full details in *Flora News Spring 2009*)**

**Saturday 13 June 2009, 10.30am – 4pm**  
**Visit to Ancell's Farm H&loWWT Reserve**  
**Leader: Tony Mundell**  
**Meet in shop parade car park at SU821557**

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## Reports of Recent Events

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### **Conservation work party for Tower Mustard on 23rd February 2008 – a report by Tony Mundell**

Nine people attended this joint event with Plantlife at Kingsley. Tower Mustard (*Arabis glabra*) is one of Hampshire's rarest plants, but every few years at this site it gets overwhelmed by brambles and shrubs which need cutting back. Gill Beresford obtained the agreement of the landowner (the local parish council) not only for scrub clearance but also for treatment of the cut stumps with SBK stump-killer. Hopefully this will mean that the site will stay open for longer. Our thanks go to David

Jewsbury from HWT who carefully hand-treated the stumps. About 20 over-wintering prostrate rosettes of Tower Mustard were uncovered beneath the brambles, and Dominic Price showed us the curious tiny trigonous hairs on its leaves. Normally Tower Mustard behaves as a biennial, but I was surprised to find one plant with new leaves sprouting from the top of a foot high stem from the previous year. Apparently it can rarely be perennial.

As a post-script, although I have not yet re-visited the Kingsley site for Tower Mustard in summer 2008, I have just heard that 70 spikes of it have appeared at the 'other' site on MOD land near Linchborough. This is a record number for that site.

### **First Hampshire Flora Group field meeting of the year on 12th April 2008 – a report by Martin Rand**

About twenty hardy Wiltshire and Hampshire botanists braved the frequent downpours of rain and hail to take part in this survey of Dwarf Sedge (*Carex humilis*). Through their stalwart efforts some 150 hectares of the Martin Down National Nature Reserve were recorded at the 100m x 100m scale, with useful information on abundance, the state of vegetation and physical factors. A full report will appear later, but there was enthusiasm for following the exercise through next year on the western half of the down.

We also had a look at the few Pasque Flowers (*Pulsatilla vulgaris*) here, and counted six plants in two locations. This is excluding those over the border in Dorset. Hairy Violet (*Viola hirta*) was making a good showing but Cowslips (*Primula veris*) were surprisingly late. Peter Billingham also managed to spot some Spring Sedge (*Carex caryophyllea*) coming into flower.

### **Joint Hampshire Flora Group / BSBI survey meeting – 26th April 2008**

Eighteen enthusiastic volunteers turned out on a beautiful day to update records of Long-leaved



Copyright Martin Rand 2006

Lungwort (*Pulmonaria longifolia*) for the Hampshire Rare Plant Register. Five different areas of the southern Forest were covered, concentrating on sites where records were old or there was evidence of decline. Nevertheless over

400 plants were recorded, although it is clear that some sites are being lost both on the open Forest and within the Inclosures.

A fuller report on the outcome of the day will be published later.



## Visit to Fleet Pond on 31st May 2008 – a report by Tony Mundell

18 people attended this event and, as is often the case with HFG trips, we set off at the pace of a geriatric snail, stopping frequently to examine the plants. I had checked out the route a few days beforehand, and had thought there was not a great deal of botanical interest so early in the year, but actually there was plenty to keep us busy. In fact progress was so slow at first that I was concerned we would not complete the pond's perimeter before nightfall. In the end we just about made it by the advertised 4pm. As the Hart District Council Ranger had given us permission to access the grazed marshland, I had strongly advised Wellington boots but Clive Chatters preferred to wade through the squelchy, deep, muddy water in sandals and shorts. This reminded me of how Lady Anne Brewis had done something similar many years ago when I first met her – striding out into deep water at Fleet Pond wearing plimsolls.

On the dry heath we saw lots of Bird's-foot (*Ornithopus perpusillus*) and puzzled over a Cinquefoil (probably *Potentilla x mixta*). Apart from the plants, it turned out to be a good day for insects too. Photographs were taken of a couple of attractive large green beetles, Rose Chafers (*Cetonia aurata*) and of several Scarce 7-spot Ladybirds (*Coccinella magnifica*). This ladybird is almost invariably found close to the large nests of the Wood Ant (*Formica rufa*) which are plentiful around Fleet Pond. It has larger spots than the common 7-spot Ladybird (and when tipped upside down shows some diagnostic white spots beneath its rear legs). Unlike other ladybirds, the Scarce 7-spot is not attacked and driven off by ants, so it lives in a niche free of competition. Martin pointed out a potential hybrid between Broad Buckler Fern (*Dryopteris dilatata*) and the Narrow Buckler Fern (*D. carthusiana*). I have not had this expertly determined yet, but like so many other ferns nearby every frond was distorted at the top. This is a gall caused by the maggot of a tiny fly (*Chirosia betuleti*) which mines along the top of the fern 'stem' (strictly the rachis) making it curl up.

Some were not familiar with Purple Willow (*Salix purpurea*) and we were pleased to see the first flowers on Marsh Cinquefoil (*Potentilla palustris*). A couple of Royal Ferns (*Osmunda regalis*) had been wrapped in fencing (though animals will not graze them in the New Forest) but the main native colony of them was inaccessible due to the high water level. The marsh plants included Marsh Speedwell (*Veronica scutellata*), Floating Club-rush (*Eleogiton fluitans*), Round-leaved Crowfoot (*Ranunculus omiophyllus*) and White Sedge (formerly *Carex curta* but now *C. canescens*). There was also a scarce moss, *Tetraphis pellucida* identified by John Norton.

We held our traditionally brief AGM as we munched our sandwiches at Sandy Bay. Following that, and quite a few plants later, I was pleased to see how much the Bog-bean (*Menyanthes trifoliata*) had spread in recent years, but it was alarming how the alien Skunk Cabbage (*Lysichiton americanus*) has spread to many spots all round the pond.

## Trip to Sowley on 1st June 2008 – a report by Clive Chatters

With thanks to the kind hospitality of Mr and Mrs van der Vorm and their neighbours on the Sowley Estate the Flora Group met at Sowley House on 1 June 2008.



Flora Group members at Sowley by Clive Chatters

Sowley is one of the quieter backwaters of the Solent coast. This was not always so as the house stands above the site of an iron foundry and amongst the former industrial landscapes of ship building and brickworks.



Forest ponies at Sowley by Clive Chatters

Today the Sowley valley is a gentle marsh grading down to the Solent with shifting shinglebars modifying the flow of

the tide into the valley and the outfall of the Crockford Stream into the Solent.

The gentle, and quite superb, management of the marsh by the van der Vorms means it is a mixture of fen meadow, brackish pastures and saltmarsh with a finale of an undisturbed beach grazed by free-ranging Forest ponies. A number of particularly interesting botanical finds appear in Martin Rand's VC 11 records elsewhere in

this newsletter. Sowley Marsh and the foreshore are of interest not just for the concentration of notable species but because here we can see a landscape where



Meadow thistle and Marsh orchid by Clive Chatters

natural processes hold sway. Each year the winter storms modify the mouth of the marsh and the mixture of fresh and saltwater changes. The beach is growing out into the Solent and, because it does not experience trampling from people and regular dog disturbance, here we saw birds nesting on the gravels and fragile plants growing amongst the stone. This was a reminder of how vulnerable beach habitats can be, particularly at a time when Parliament is considering opening up the whole coast for public recreation.

### **Martin Down *Gentianella* census 7th June 2008 – a report by Martin Rand**

OK, so it's not an Early Gentian, but this Burnt-tip Orchid was one of the many downland flowers enjoyed by the



Burnt-tip Orchid by Martin Rand

surveyors on this perfect summer day.

34 people from Plantlife International, Hampshire Flora Group, Dorset Flora Group and Wiltshire Botanical Society converged on the three counties' borderland at Martin Down.

We split into two parties, one working the north-west parts of the National Nature Reserve and the other visiting a site in the centre before proceeding to Pentridge Down in Dorset.

The first group had modest success, recording a total of 81 plants of *Gentianella anglica* on two known sites of disturbed grassland around the rifle butts and northern car park. The second party did not manage to find any; while the site condition on Martin Down seemed satisfactory for the plant, Pentridge Down appeared to be in poor shape.

### **Visit to Noar Hill on 5th July 2008 – a report by Tony Mundell**

This visit was advertised as particularly suitable for relative beginners to plant identification, and I was pleased to see quite a number of different faces from those that often come to our events. The weather was rather threatening first thing, which probably deterred some others, but in the end we stayed dry all day. We pottered very slowly, giving the photographers time to compose their pictures. Of course the many different species of orchids were high on the list to look at closely, but we also studied many other chalk downland plants.

A little time was taken talking generally about how plants are identified and in particular how to 'key them out' using books. The use of grid references and GPS for plant recording was also mentioned briefly. However, most of the time we zig-zagged slowly across the site looking at various common and uncommon plants. I pointed out the curious un-fern-like Adder's Tongue Fern (*Ophioglossum vulgatum*) and we visited the Dragon's Teeth (*Tetragonolobus maritimus*). This latter species was still in full flower and also showing its characteristic seed pods.

All in all it was a very successful day to judge from the comments afterwards, and it has led to a few more people contributing plant records to me.

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## **News and Views**

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### **BSBI Maps Scheme: Atlas Updating Project for Hampshire**

#### **Background**

The BSBI Atlas of the British and Irish Flora is a major publication project that has so far appeared at 40-year intervals. It is one of the most important sources of information on the distribution of British plants, and is widely used by researchers and conservationists.

With computer technology it is possible to keep the maps updated on an 'ad hoc' basis, and so the decision has been made to age-band records every 10 years, starting in 2000 (just after the work for Atlas 2000 completed). This means that there are just 'one and a bit' seasons left before the end of the next age band.

There has been no comprehensive systematic recording project in Hampshire since 1999, so recent coverage is getting quite patchy. Also many of the commoner species have not been fully computerised. We would like to take this opportunity to get the record more up to date.

The BSBI Maps Scheme also offers an opportunity to map the distribution of the British flora at a tetrad (2km x 2km) resolution, giving a much better impression of how frequent our more localised and declining species really are. Inevitably coverage will be patchy for many years to come, but the pieces of the jigsaw will gradually drop into place.

#### **How you can participate**

You can help bring the record up to date by recording plants, including the most common ones, in any areas of Hampshire you visit. You can submit thousands of records if you like, but even one will be useful!

Priority for the next two seasons will be getting at least one species record for each 10km x 10km square where it has not been recorded since 2000. After that will come updates and new records for as many tetrads as possible.

Please record to at least 1 kilometre precision (eg



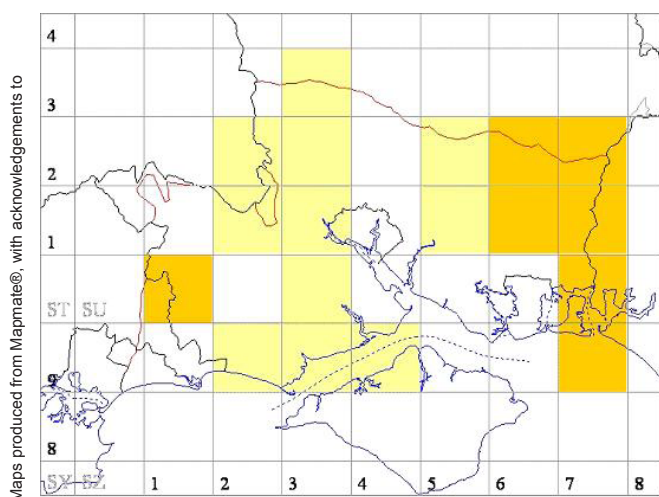
'SU5205'), and where the 1km square crosses the vice-county boundary, please record separately in each vice-county. For species that are uncommon in the area where you are recording, you may want to provide a more precise grid reference. If you are recording many species at a locality, and you are comfortable with scientific names, you may like to use the field recording sheet also used for the Rare Plant Register project. Unless you are sending just a handful of records, please submit your records electronically. Sorry, we don't have resources to deal with large numbers of paper records at present. If you are a Mapmate user then sending a Mapmate 'sync file' to the vice-county recorder is the ideal method. Otherwise, you can use the downloadable electronic recording spreadsheet.

Both the above documents are available from the Hants Plants Web site <http://hantsplants.net> or on request. There are accompanying notes on how to fill in the spreadsheet.

Good hunting, and thank you for your help! If you intend to do serious 'square bashing' and submit large numbers of records, please get in touch with one of us first to make sure you are not duplicating effort, as there are helpers already signed up to cover certain areas.

### Recently under-recorded areas

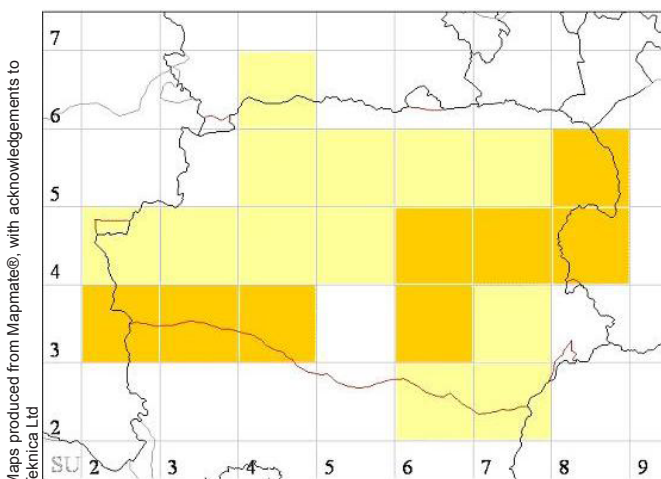
The map below shows the 10km grid squares in South Hampshire that have lowest numbers of records of common species since 2000. High priority squares are shown in darker yellow.



**SU10 Ringwood area**  
**SZ29 New Milton area**  
**SU21 Fritham area**  
**SU22 Sherfield English area**  
**SZ39 Lymington area**  
**SU30 Denny Lodge area**  
**SU31 Totton area**  
**SU32 Romsey area**  
**SU33 Kings Somborne area**

**SU51 Bishops Waltham area**  
**SU52 Beauworth area**  
**SU61 Hambledon area**  
**SU62 Upper Meon valley**  
**SZ79 Hayling South**  
**SU70 Havant area**  
**SU71 Chalton area**  
**SU72 Petersfield area**

The map below shows the 10km grid squares in North Hampshire that have lowest numbers of records of common species since 2000. High priority squares are shown in darker yellow.



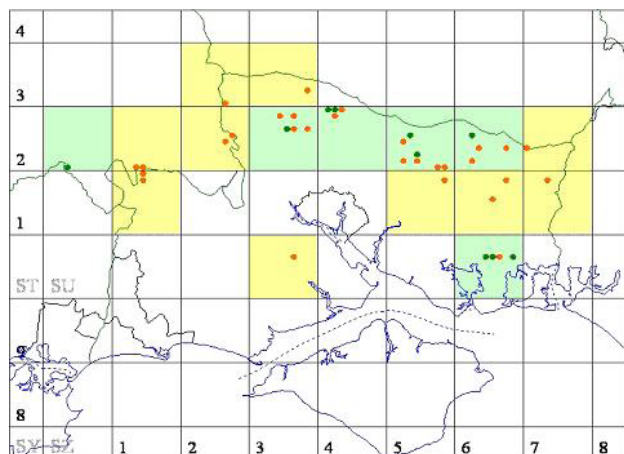
<b>SU23 Over Wallop area</b>	<b>SU62 West Tisted area</b>
<b>SU24 Thruxton area</b>	<b>SU63 Four Marks area</b>
<b>SU33 Leckford area</b>	<b>SU64 Herriard area</b>
<b>SU34 Harewood Forest W</b>	<b>SU65 Basingstoke area</b>
<b>SU43 South Wonston area</b>	<b>SU72 Petersfield area</b>
<b>SU44 Harewood Forest E</b>	<b>SU73 Selborne area</b>
<b>SU45 Litchfield area</b>	<b>SU74 Bentley area</b>
<b>SU46 Highclere area</b>	<b>SU75 Hartley Wintney area</b>
<b>SU54 North Waltham area</b>	<b>SU84 Farnham area</b>
<b>SU55 Hannington area</b>	<b>SU85 Farnborough area</b>

### How do I know if an individual record's worth submitting?

First, it's always worth submitting any record for a plant on the Hampshire Notables List. You can download a copy of the List from the Hants Plants web site, or ask for one.

Then, if you want to see whether one of the commoner plants has been recorded in your area, there are nearly 2000 distribution maps available to browse on the Web site. These are the records that have been computerised. Many common species recorded for the Flora of Hampshire have never had their full records put onto computer, so any new records you submit will be usefully filling a gap.

For instance, a Wildlife Trust warden wanted to know whether a record of Common Gromwell for her part of the county would be of interest. The South Hampshire map is shown overleaf.



Green squares and dots show where there is a record in a 10km square or a 1km square respectively since 1999. Yellow squares and orange dots show where there is no record. So her record for SU71 was definitely of interest!

Martin Rand, BSBI Recorder, South Hants (VC11)  
21 Pine Road, Chandlers Ford, Eastleigh SO53 1LH  
Email: vc11recorder@hantsplants.net

Tony Mundell, BSBI Recorder, North Hants (VC12)  
38 Conifer Close, Church Crookham, Fleet GU52 6LS  
Email: vc12recorder@hantsplants.net

## Mapmate data input – a plea from Tony Mundell

You are probably aware that Martin Rand and I jointly hold a huge database of Hampshire plant records using software called Mapmate (see [www.mapmate.co.uk](http://www.mapmate.co.uk) for a description of this program). Mainly because I just hate sitting in front of a computer, I always have a large backlog of data to be entered. For some time John Stanley has been helping to input data, but he has done more than his fair share, so I thought I would ask to see if there are any other people who would be willing to help me by entering data for North Hampshire. I can provide sets of printed data that require no interpretation or botanical knowledge. It is just a matter of having the stamina to keep bashing away (very carefully!) at a keyboard. One option would be to buy (£25) a copy of the Mapmate software (if you don't already have it) and preferably having internet access (so that entered data can be sent to me using Mapmate's 'synchronisation' capability). I can provide instruction on how to enter the data using Mapmate. An alternative involving no monetary cost is to enter data on to the spreadsheet available on our website at <http://www.hantsplants.net> I can easily import data from that spreadsheet into my Mapmate database.

Ideally I would like volunteers living in North East Hampshire so that I don't have far to travel when bringing printed data and providing initial instruction. Is anyone willing to help?

## The Odiham Mistletoe survey – by Tony Mundell

The Odiham Biodiversity Group (OBG) led by Sheila Bates has recently been logging the flora and fauna of their parish, and I have been helping them with occasional surveys of the plants in particular areas. It was during one of these surveys in 2007 that I mentioned to Sheila that there seemed to be rather a lot of Mistletoe in the Odiham and North Warnborough area. This led to OBG organising a competition last winter for members to contribute records of Mistletoe with location details, and also noting the host tree where possible.

Of course Mistletoe is easiest to spot once its host tree has lost its leaves, and OBG had a tremendous response to the request for sightings in gardens and the surrounding countryside over the 2007 Christmas period. The records were passed on to me, and I was amazed both at the number of records and the diversity of the host trees. I have personally confirmed most of the records and at least one example of every host species. Of course most were on Apple in people's gardens, but I was impressed that several people could correctly identify other host trees after their leaves had fallen. This even included a Silver Maple (*Acer saccharinum*) in the local churchyard and Rowan near the cemetery.

Long lists of Mistletoe hosts are noted in several books (e.g. Pratt, c.1855) but all agree that its occurrence on Oak, as revered by the ancient Druids, is an exceptionally rare event. Townsend's 'Flora of Hampshire' (Townsend, 1883) refers to earlier herbarium specimens collected from Oak near Winchester and also at Hackwood Park, but there are no Hampshire records on Oak since the 19th century. So if anyone can find it on Oak please let me know!

The more recent 'Flora of Hampshire' (Brewis et al, 1996) lists the alien host trees in order of frequency as Lime, Poplar, Apple, Sycamore and False Acacia. Hawthorn is given as the most frequently recorded native host, then Crack Willow, Field Maple, Common Whitebeam and Rowan (once). An analysis of the OBG records shows that the batting-order for the alien hosts (with the number of affected trees given in brackets) was:

Apple (of various sorts!) (53), Lime (29), Hybrid Black Poplar (4), False Acacia (3), Silver Maple (3), an Ornamental Flowering Cherry-Apple (*Malus cultivar*) (3), Sycamore (2), Japanese Maple (*Acer palmatum*) (1), Norway Maple (cultivar 'Crimson King') (1), Lilac (*Syringa vulgaris*) (1), Broad-leaved Cockspurthorn (*Crataegus persimilis*) (1), Pineapple Broom (*Cytisus battandieri*) (1), Japanese Quince (*Chaenomeles japonica*) (1) and a red-flowered ornamental Hawthorn (*Crataegus monogyna cultivar*) (1).

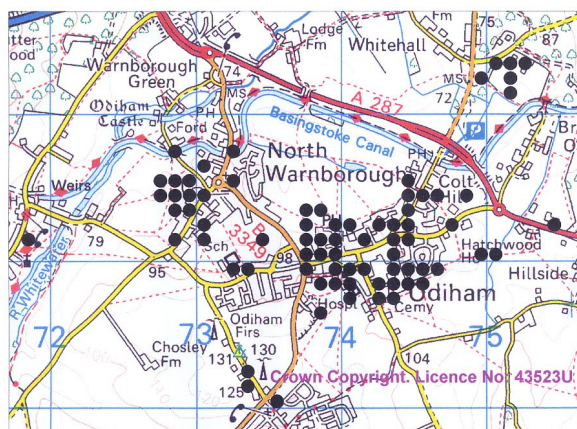
Of these, the Sycamore scored poorly but one single tree possibly won the prize for the most Mistletoe. It supported 40 large clumps! Of course Sycamore is a member of the genus *Acer* which contributed several other hosts, even including a very delicate (and unfortunate!) Japanese Maple. However, the alien hosts that I found most remarkable were the Lilac and the Pineapple Broom.



The native hosts were Hawthorn (40), Field Maple (9), Whitebeam (5), Rowan (4), Aspen (1), Crack Willow (1), Ash (1) and Hazel (1). I was surprised at the frequency of Mistletoe on Hawthorn in the hedgerows. A tall Ash tree on Odiham Common with its really huge clump of Mistletoe, growing high up, has been known for many years, but the most surprising host for me was the Hazel. This was in a hedgerow away from gardens with its companion clearly bird-sown.

I have included a map showing the distribution of Mistletoe near Odiham and North Warnborough.

*Viscum album* (Mistletoe)



I would like to thank all the people who participated in the survey, most particularly Sheila Bates for organising it and Kathryn Childs who, on several walks around the parish, compiled an impressive list of records.

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## Variability in Pyramidal Orchid – by Tony Mundell

Some orchids are very variable in the colour of their flowers. This is especially true of those whose flowers are marked with darker spots or lines, like Common Spotted Orchid, but even Bee Orchids are surprisingly variable when you look closely at their markings.



Aberrant pyramidal orchid – photo by Claire McHardy

The Fragrant Orchid and the Pyramidal Orchid have unmarked flowers, though their colour can vary from deep rich pink to pure white. This year I have been noticing how the individual shape of

the largest petal (called the lip or labellum) on Pyramidal Orchid can also vary. I have included three photos to illustrate this.

Pyramidal Orchid can always be distinguished from Fragrant Orchid by the presence of a pair of little 'bumps' at the base of the labellum, that guide the



Less divided lip – photo by Tony Mundell



Divided lip – photo by Tony Mundell

'tongue' of pollinating insects. The plant shown with the least divided labellum approaches a variety or form known at least informally as "emarginata", photographed at Noar Hill in 2008. Another photo, this time taken by Claire McHardy at Porton Down, is the other extreme - so much so that this particular plant could be called aberrant.

## Orchid pollination – by Tony Mundell

I was recently sent photos by two different people of insects pollinating orchids and this prompted me to write this article. The pollination of orchids is a fascinating subject. Different orchids have evolved a variety of ways to ensure that they get pollinated, in most cases by tricking insects to do the job for them.

Orchid pollen is held in a pair of 'clumps' called pollinia and in many species the pollinia are on tiny stalks with a 'bag' (the bursicle) of quick-acting glue at their base. When an insect brushes its head or the tip of its abdomen against the pollinia, the bursicles rupture and firmly glue both pollinia to the insect. The pollinia then get free air transport to the next flower to pollinate it. So the orchid needs to attract an insect close enough for this to happen.



Marsh Helleborine pollination – photo by David Caals

To do this many orchid species have a long tubular spur



containing nectar, and some of the Helleborines (various *Epipactis* species) have an open 'bowl' (the hypochile) containing nectar that attracts particular species of solitary or social wasps. The first photo shows a solitary wasp (in the genus *Psen*) pollinating Marsh Helleborines, *Epipactis palustris*. Another photo shows pollinia stuck to the head of a worker Common Wasp (*Vespa vulgaris*) as it visits a Broad-leaved Helleborine (*Epipactis helleborine*).



Wasp with pollinia - photo by David Caals

Other orchids (e.g. Green-flowered Helleborine, *Epipactis phyllanthos*) have given up on cross pollination and are designed to be self-pollinated. This can happen inside the bud so that the flowers barely open at all. Offering insects food such as nectar is not the only way to attract them to the flower. Many orchids, particularly the genus *Ophrys*, do not produce nectar, but instead use sexual deceit. The Fly Orchid shown in the photograph is emitting a pheromone. This is a scent that to a male wasp, of the species *Argogorytes mystaceus* shown here, smells just like a female. The poor frustrated wasp tries to mate with the flower, but ends up with pollinia stuck to his head (or the tip of his abdomen for some other *Ophrys* species) for delivery to the next flower.



Fly Orchid pollination – photo by Veronica Carter

To maintain their species, plants have a vested interest in ensuring cross pollination with another plant of the same species whilst avoiding 'dilution' of their genes by crossing with a different species. This has led orchids to go to extraordinary lengths to attract only one or two specific pollinating species, so that different orchid species have different pollinators. This is taken to extremes in the genus *Ophrys*, particularly in southern Europe, where specialisation for particular pollinators has led to different orchid species evolving.

## ***Enterographa brezhnega* – A New Lichen Parasite for Britain – a note by Neil Sanderson**

I normally restrict my lichen reports to an annual report in the spring issue, but a find I made last winter deserves a report on its own. This discovery was a result of a campaign waged on the southern part of Bramshaw Wood, called Black Bush on modern maps but also known as Great Wood on older maps.

I find this a rather mysterious wood, which combines the confusing fractal structure of the New Forest pasture woodlands (numerous repeating high forest groves and open glades, all looking completely unlike but not enough to easily navigate by), with a convoluted terrain of bifurcating valleys. It would seem logical that adding some terrain to the New Forest woods should make navigation easier but in the case of Great Wood it certainly does not. Also it is mainly a wood of very tall maiden Sessile Oak and patches of Beech where the scale of the trees is difficult to appreciate. On finding a new site for the old Oak specialist lichen *Enterographa sorediata*, last winter with Andy Cross, we both thought it was quite a small tree to find this species on, so we measured it. It was not, it was 3.40m girth, it was just so tall it looked much thinner.

In recent years, I have rarely got far into this wood, being waylaid by too many distractions. Last winter I determined to give this wood a good going over and made five separate visits. These more than confirmed my hunch that this was a top rate epiphytic site, with numerous Red Data Book species found, including not just lichens, but a completely new site for the Endangered moss *Zygodon forsteri* and the second record for the New Forest, and lowland Britain, for the oceanic liverwort *Harpalejeunea molleri*. The best find, however, was made on the 2nd February 2008, when I searched a big tall maiden Sessile Oak at SU256 156 with a big stand of the Near Threatened lichen *Porina rosei* on the wet side. This colony was extensive but growing rather poorly and over an area of about 20cm, supported frequent tiny scattered white flecks. These were also scattered thinly over several square metres of bark. When looked at with the lens these resolved into beautiful knotted masses of lirelli (long narrow fruit) with white margins and grey to pale orange discs. I knew at once that this must be the recently described fungal parasite of *Porina rosei*; new to Britain and a second world record! I had been looking for it since the previous summer, when it was published in the Lichenologist from a collection made in Brittany (Sparrius & Aproot, 2007). Back home it was confirmed as *Enterographa brezhnega* Sparrius & Aproot, with 4 spores per asci and spores 6 septate and 16 – 18 x 3µm – brilliant!

Associated species noted were the lichens *Agonimia octospora* (Near Threatened), *Biatora epixanthoides*, *Catinaria atropurpurea*, *Dimerella lutea* and *Thelopsis rubella* and the bryophytes *Homalothecium sericeum*, *Hypnum andoi*, *Hypnum resupinatum*, *Metzgeria furcata* and *Zygodon rupestris*.

After collecting the fungus on Saturday, things moved very fast; I emailed a photograph and description to Laurens Sparrius in the Netherlands and got a confirmation of the identification by Monday morning. By the afternoon I had the flora account written for the new edition of the Lichen Flora of Great Britain and Ireland and the species accepted on to the British list.

I returned the next weekend with Andy Cross who got some much better photographs than mine.



*Enterographa brezhnhega* is the whitish flecks, *Porina rosei* is the yellow green crust while the yellow disc in the top left is the old woodland lichen *Dimerella lutea*.

Other European *Enterographa* species are independent lichens growing on rocks and trees, with thick brownish thalli. (The scientific name is applied to the fungal partner in lichens and having lichenised and non-lichenised members of the same genus is uncommon but not unheard of). There are a few tropical species which grow as parasites on lichens growing on the evergreen leaves of trees in tropical rainforests, but there is absolutely nothing else like this in Europe and this fungus is small but very exotic and odd looking. When looked at closely, the convoluted white lirellae are highly distinctive, and very attractive. To date this fungus has only been recorded in Brittany in similar old growth habitat, but it is to be expected in other sites with large populations of *Porina rosei*.

Fungal parasites of lichens are not uncommon and an excellent account of this fascinating but esoteric subject was written by Hawksworth (2003). As obligate parasites require large populations of the host, parasites of rare species are themselves even rarer and a diversity of lichen parasites is a feature of very high quality sites. The New Forest is, not surprisingly, rich in such species.

## References

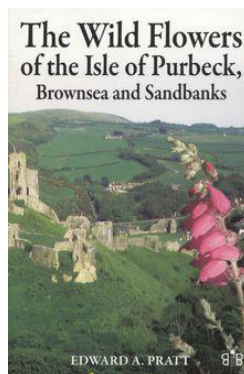
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## 'The Wildflowers of the Isle of Purbeck, Brownsea and Sandbanks' by Edward A Pratt - a review by Clive Chatters

Published by Brambleby Books

ISBN 978-0-9553928-4-9

£18 from bookshops or [www.bramblebybooks.co.uk](http://www.bramblebybooks.co.uk)



It is a fair question to ask why Flora News is carrying a review of a book about flowers in Dorset. The simple answer is that Ted Pratt asked us to and we were delighted to oblige a long standing friend of Hampshire's wildlife. To those living in South Hampshire and along the London mainline, Purbeck is a simple train journey to this extraordinarily diverse block of coast and countryside.

Ted is a member of the long and honourable tradition of vicar-naturalists. He retired in 1997 from his Hampshire parish to Purbeck. Throughout this book, and with great clarity and sincerity in his personal epilogue, he draws together his faith and his relationship with the natural world.

The book is a guide to all aspects of the enjoyment of natural history combined with a detailed local flora with species accounts and site descriptions all dating from the opening years of this century. The accounts of individual species can be very detailed and very contemporary, even down to which ride-side log pile will help you navigate to a specific plant. There are descriptions of over 5000 plant sites in public places both in the text and through sketch maps. Some of these flower-rich locations are described in detail including my favourite Purbeck location, Corfe Common, as well as many examples of heaths, meadows, sea-cliff and downs. If you are ever in Dorset with a list of 'must see' plants then this is the book that will guide you.

To a collector of floras this is a one off, a very local flora and field guide that goes beyond a systematic account of species and localities. It is a hymn of praise to the glory of God as expressed through a fascination with wildflowers.

## Unwanted Herbarium Specimens – an offer by Eric Clement

I frequently need to thin-out duplicate material from my worldwide herbarium (but mostly collected in Britain and Europe). The plants are largely un-mounted, but all have been identified. They would help any one in trying to name eg grasses or alien plants. There is no charge, but the recipient must be willing to collect them at a pre-arranged date. If you are interested please contact Eric Clement, 54 Anglesey Road, Alverstoke, Gosport, Hampshire, PO12 2EQ, telephone 023 9252 8083.



## VC11 Records compiled by Martin Rand

This list will be a bit scrappy this time and rather over-dominated by my own sightings, as I have had very little time to enter up paper or emailed records over the last few months, and in order to make my life a little simpler I have excluded 2007 records that missed the last issue. I hope to make amends by the coming winter issue. If you are computerised and want to send me more than 4 or 5 records at a time, but do not use Mapmate for recording, can I make a plea for you to use the records spreadsheet, downloadable from the Hants Plants web site <http://hantsplants.net> or on request from me? This not only cuts down on duplicated effort but helps to prevent transcription errors creeping in.

Also waiting in the wings are several interesting orchid records. These need to be checked by the BSBI referee, but may include a new site for the rare Narrow-leaved Marsh Orchid (*Dactylorhiza traunsteineri*) and a first for the vice-county, the hybrid *Dactylorhiza x halleri*.

As in previous issues, I have included records for species that may not be especially rare in our area but are of conservation concern and have not been recorded in a particular spot for some time. The notes with these indicate just how old some of the records were now becoming, and I would urge everyone to submit records of Hampshire Notables, including as much detail as possible. Even if you think something is 'well known' at a site, that doesn't mean to say it's well recorded.

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.

Recorder abbreviations: AEB = Alison Bolton, B&JG = Barry and Jane Goater, DN = Dawn Nelson, DRA = Debbie Allan, GC = Ginnie Copsey, IMu = Ian Mullen, JAN = John Norton, MR = Martin Rand, PM = Peter Marston, RCR = Clare Rand.

### Records for the next issue by end of November, please.

*Allium neapolitanum* (Neapolitan Garlic): S of Twyford, SU48022326; 13 May 2008; PM. In hedgebank on S side of Woodland Drove. 1st for SU42

☼*Anagallis minima* (Chaffweed): Sowley, SZ379962; 01 Jun 2008; Hampshire Flora Group meeting. In damp margins of marsh, SZ3792 9620 etc. New site

*Asplenium adiantum-nigrum* (Black Spleenwort): Lane W of Burnthays Copse, SZ434999; 08 Feb 2008; MR. Single tuft in hedge bank, SZ4344 9993. 1st for SZ49 since 1963

☼*Atriplex glabruscula* (Babington's Orache): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad. Stansore Point, Lepe, SZ464986; 15 Jul 2008; MR. New tetrad

☼*Atropa belladonna* (Deadly Nightshade): Hill slope south of Old Idsworth garden, SU742130; 13 Jun 2008; IMu. New site

*Betula x aurata* (B. pendula x pubescens): Hollybank Woods, SU748084; 18 May 2008; MR, DRA & JAN. 1st for SU70

☼*Blysmus compressus* (Flat-sedge): Howen Bottom, Fritham, SU230150; 23 Jun 2008; MR. c. 150 flowering spikes at SU2300 1503 - SU2300 - 1504. c. 50 flowering spikes at SU2302 1507 - SU2303 1507. Odd flowering spikes at SU2306 1507, SU2307 1508 and SU2308 1508. 1st at site for c. 20 years, and feared lost here after Forestry drainage operations some years ago.

☼*Bromus commutatus* (Meadow Brome): Water meadows, W of Hale, SU172187 13 May 2008; MR; Voucher Specimen Hb MR. Margins of two pastures close to public footpath. 1st for SU11 since 1960s

*Bromus hordeaceus subsp. longipedicellatus* (Soft-brome): S of Walton Heath, Southwick, SU620092; 05 Jun 2008; MR; Voucher Specimen Hb MR. In wheat crop. 1st for SU60

☼*Calystegia soldanella* (Sea Bindweed): Friars Cliff, Mudeford, SZ192926; 02 Jul 2008; MR. In joint of sea defences, SZ1920 9262. 1st in tetrad since 1930

*Campanula portenschlagiana* (Adria Bellflower): W of Romsey, SU3421; 07 May 2008; MR & RCR. 1st for SU32

☼*Carex divisa* (Divided Sedge): Sowley, SZ379961 & SZ379962; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad

☼*Carex hostiana* (Tawny Sedge): Howen Bottom, Fritham, SU230150; 23 Jun 2008; MR. At SU2300 1501. 1st in tetrad since 1964

☼*Carex pulicaris* (Flea Sedge): Howen Bottom, Fritham, SU230150; 23 Jun 2008; MR. At SU2302 1503 and SU2296 1495. 1st in tetrad since 1960s

☛ *Carex viridula* subsp. *brachyrrhyncha* (Long-stalked Yellow-sedge): Stockbridge Common Marsh, SU354344; 06 Jun 2008; MR & RCR. Patch in damp depression at SU3540 3419. New site, though known elsewhere from tetrad in Stockbridge North Fen, nearby in VC12. *C. viridula* seen elsewhere on Stockbridge Common Marsh all seems referable to subsp. *oedocarpa*.

*Carex viridula* subsp. *oedocarpa* (Common Yellow-sedge): Hollybank Woods, SU747084; 18 May 2008; MR, DRA & JAN. Scattered in boggy ground near wood drain. 1st localised record for SU70 although the Flora of Hants records it since 1930 in tetrad SU70J.

☛ *Catabrosa aquatica* (Whorl-grass): Stockbridge Common Marsh, SU354346; 06 Jun 2008; MR & RCR. Stream margin at foot of spring tail, SU3544 3460, in very small quantity. New tetrad

☛ *Cephalanthera damasonium* (White Helleborine): Hill Top, Dundridge, SU57831789; 24 May 2008; PM. New tetrad

*Chaenomeles speciosa* (Japanese Quince): Hollybank Woods, SU7408; 18 May 2008; MR, DRA & JAN. 1st for SU70

*Chrysosplenium oppositifolium* (Opposite-leaved Golden-saxifrage): The Miscombe, SU7619; 30 Apr 2008; DN. SE of Buriton, SU71P; 30 Apr 2008; DN. 1st for SU71 in vc11 since 1930

*Cochlearia danica* (Danish Scurvygrass): A3090 nr Pauncefoot Hill and at Romsey, SU3420, SU3520, SU3521; 20 Apr 2008; MR. 1st for SU32

☛ *Crassula tillaea* (Mossy Stonecrop): Gunner Point, Hayling Island, SZ690991; 09 Apr 2008; MR & RCR. Open sandy turf in foredunes in an area 2m x 2m, SZ6900 9914. New site

*Crocsmia x crocosmiiflora* (Montbretia): Hollybank Woods, SU7408; 18 May 2008; MR, DRA & JAN. 1st for SU70 in vc11

*Dactylorhiza maculata* (Heath Spotted-orchid): Upper Flexford NR, SU424217; 17 Jun 2008; MR. 4 spikes. 1st for SU42 since 1970

☛ *Eleocharis quinqueflora* (Few-flowered Spike-rush): Above Ridley Bottom, SU198057; 12 May 2008; MR. Rare, in small open flush on W slope of valley. New tetrad

*Epilobium palustre* (Marsh Willowherb): Upper Flexford NR, SU424218; 17 Jun 2008; MR. Rare, waterlogged rush-pasture. 1st at site since 1965

☛ *Galium constrictum* (Slender Marsh-bedstraw): NE of Eyeworth Pond, SU230149; 23 Jun 2008; MR. Small patch in M29-derived wet grassland at SU2302 1498. New tetrad

*Geranium pyrenaicum* (Hedgerow Crane's-bill): Peake Farm, Warnford, SU632219; 29 May 2008; PM. Exton, SU617212; 11 29 May 2008; PM. 1st for SU62

*Gladiolus communis* (Eastern Gladiolus): Exbury, SZ423999; 08 Jun 2008; MR & RCR. Naturalising in grassy glade. 1st for SZ49 in vc11

☛ *Glaucium flavum* (Yellow Horned-poppy): Horsea Island, SU633044; 22 Feb 2008; Dan Houghton. On the narrow shingle beach S of MOD base. New tetrad

☛ *Helleborus foetidus* (Stinking Hellebore): Sunwood Farm, Old Ditcham, SU759194; 30 Apr 2008; DN. 10 plants at SU7595 1949. Most likely to be a garden escape - throwout just beyond the verge with other garden rubbish. 1st for SU71 in vc11

☛ *Isolepis cernua* (Slender Club-rush): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad

*Juncus tenuis* (Slender Rush): S of Walton Heath, Southwick, SU620094; 05 Jun 2008; MR. 1st for SU60  
*Lapsana communis* subsp. *intermedia* (Large-flowered Nipplewort): St Cross Road, St Cross, SU474275; 13 Jul 2008; MR. On recently disturbed bank on W side of road. c. 10 large plants. New tetrad. A further extension northwards in Hampshire of this introduced subspecies.

☛ *Ludwigia palustris* (Hampshire-purslane): Sowley Shore (Sowley Estate), SZ380959; 01 Jun 2008; Hampshire Flora Group meeting. In streamlet running down to shore at SZ3806 9595. New tetrad

*Nectaroscordum siculum* subsp. *bulgaricum* (Honey Garlic): Brown Heath, Durley, SU525159; 21 May 2008; GC. 3 on shady roadside verge. 1 on sunny bank. 1st for SU51

*Ophrys apifera* (Bee Orchid): Mottisfont Abbey gardens, SU326270; 24 Jun 2008; MR. Bare ground at foot of trees in lime arbour. 1st for SU32 since ?1950

*Parthenocissus quinquefolia* (Virginia-creeper): Romsey SW area, SU348207; 07 May 2008; MR & RCR. Garden escape by track S of Sadlers Mill. 1st for SU32

☛ *Platanthera bifolia* (Lesser Butterfly-orchid): Queen North, Fritham, SU229132; 02 Jun 2008; Mrs C M Thorne. 1st in tetrad since 1955



<p>☛ <i>Poa angustifolia</i> (Narrow-leaved Meadow-grass): Bay House School sports field south, SZ587995; 13 Apr 2008; JAN &amp; DRA. Locally frequent in rough, unmanaged grass at NE corner of field. Distinctive reddish-tipped spikelets with wide scarious margin to lemmas and shortish ligule. 1st for SZ59 in vc11</p>
<p>☛ <i>Poa infirma</i> (Early Meadow-grass): Port Solent, SU631050; 04 Mar 2008; JAN. Small patches along road verge by roundabout, near to sea wall - with <i>Stellaria pallida</i>. Port Solent - HMS Excellent, SU630048; 21 Mar 2008; DRA. Several small patches within c.5 x 3m area in shingly verge NE entrance to HMS Excellent. Port Solent, SU631049; 21 Mar 2008, DRA. At SU6310 0499, Locally frequent over c.10 (-15) m, on &amp; by verges &amp; kerbs. New tetrad</p>
<p><i>Ranunculus ficaria</i> subsp. <i>bulbilifer</i> (Lesser Celandine): Brockwood, SU6225; 26 Mar 2008; MR. 1st for SU62</p>
<p><i>Ranunculus hederaceus</i> (Ivy-leaved Crowfoot): Upper Flexford NR, SU424217; 17 Jun 2008; MR. Rare, by cattle-poached ditch. 1st for SU42 since 1965</p>
<p>☛ <i>Raphanus raphanistrum</i> subsp. <i>maritimus</i> (Sea Radish): Horsea Island, SU633044; 22 Feb 2008; Dan Houghton det. JAN. Growing in sea defences S of MOD base. New tetrad</p>
<p><i>Rosa micrantha</i> (Small-flowered Sweet-briar): West Wood, Sparsholt, SU419303; 11 Jun 2008; MR. Side of grassy track running parallel to main forestry track on N side. 1st for SU43 in vc11</p>
<p><i>Rosa stylosa</i> x <i>canina</i> (<i>Rosa</i> x <i>andegavensis</i> (f x m)): Blissford Dairy, SU171135; 14 Jun 2008; MR, RCR, B&amp;JG. Disc strongly conical, styles exerted in a conspicuous column. Lvs pubescent only on midrib and with general form of <i>R. canina</i>. Hedge at SU1712 1350. New tetrad</p>
<p>☛ <i>Rubia perigrina</i> (Wild Madder): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. 1st in tetrad since 1965</p>
<p>☛ <i>Sagina subulata</i> (Heath Pearlwort): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad</p>
<p>☛ <i>Seriphidium maritimum</i> (Sea Wormwood): Hilsea Creek, SU671040; 15 Jul 2008; IMu. 1st in tetrad since ?1960</p>
<p><i>Silene vulgaris</i> (Bladder Campion): Sowley Marsh and Sowley House, SZ3796; 01 Jun 2008; Hampshire Flora Group meeting. 1st for SZ39</p>
<p><i>Smyrniolum olusatrum</i> (Alexanders): Dean, Sparsholt, SU444311; 02 May 2008; MR &amp; RCR. Single patch in roadside bank by drive entrance. 1st for SU43</p>
<p>☛ <i>Sonchus palustris</i> (Marsh Sow-thistle): Exbury Gardens, SZ419996; 08 Jun 2008; MR &amp; RCR. Single patch found at wooded margin of brackish marsh by embayment, SZ4190 9962. New site although only about 300m from a previously recorded site</p>
<p>☛ <i>Stellaria neglecta</i> (Greater Chickweed): nr Outwick, Breamore, SU143168; 07 May 2008; AEB. Upper Burgate, SU150165; 07 May 2008; AEB. New tetrad. E of Roundhill Farm, Breamore, SU142181; 07 May 2008; AEB. New tetrad</p>
<p>☛ <i>Stellaria pallida</i> (Lesser Chickweed): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad. Port Solent, SU634049; 21 Mar 2008; DRA. e.g. SU6341 0493 LF on grass verge &amp; kerb. Port Solent, SU631050; 04 Mar 2008; JAN. Small patches along road verge by roundabout, near to sea wall. New tetrad</p>
<p><i>Symphytum caucasicum</i> (Caucasian Comfrey): Michelmersh, SU347260; 09 May 2008; MR. Escape from garden onto adjoining ground. 1st for SU32</p>
<p><i>Symphytum grandiflorum</i> (Creeping Comfrey): The Miscombe, SU759193; 30 Apr 2008; DN. Opp. Sunwood Farm at SU75915 19394. Throw-out from garden. 1st for SU71 in vc11</p>
<p><i>Thymus pulegioides</i> (Large Thyme): St Catherines Hill, SU483274; 25 Jun 2008; ILR. New tetrad</p>
<p>☛ <i>Trifolium fragiferum</i> (Strawberry Clover): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad</p>
<p>☛ <i>Trifolium ornithopodioides</i> (Bird's-foot Clover): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad</p>
<p>☛ <i>Trifolium subterraneum</i> (Subterranean Clover): Sowley Shore (Sowley Estate), SZ3895; 01 Jun 2008; Hampshire Flora Group meeting. New tetrad</p>
<p>☛ <i>Triglochin palustre</i> (Marsh Arrowgrass): Howen Bottom, Fritham, SU229149; 23 Jun 2008; MR. A few spikes near upper edge of seepage mire. 1st in tetrad since 1964</p>
<p><i>Tristagma uniflorum</i> (Spring Starflower): Lanham Lane, Weeke, SU458307; 02 May 2008; MR &amp; RCR. Escaped into verge from neighbouring garden. 1st for SU43</p>
<p><i>Veronica hederifolia</i> subsp. <i>hederifolia</i> (Ivy-leaved Speedwell): SE of Buriton, SU71P; 30 Apr 2008; DN. 1st for SU71 in vc11 for subspecies</p>

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## VC 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

I would love to include some new people's names so please send me some plant records. How about downloading some of the earliest issues of Flora News from our website at [www.hantsplants.net](http://www.hantsplants.net) and seeing if you can re-find some of those plants – I always welcome updates to older records of rare plants.

One of the more exciting records listed here is that two young seedling plants of Lady Orchid have sprung up only a metre or so from the original plant at Porton Down. The strict security at this site should mean that plants are safe from trowel-wielding thieves (still a problem elsewhere) and a colony of Lady Orchids may hopefully get established.

Another exciting record (for me at least) is the discovery near Crondall of a new Hampshire site for Spreading Hedge Parsley (*Torilis arvensis*), a very rare plant of arable field edges. This plant featured (with a photo too) in the previous issue of Flora News when it was found near Kingsclere. Finding two new sites within a year is remarkable because it is classed as Nationally Endangered in the latest (2005) Red Data List due to its rapid decline.

Ladle Hill and Noar Hill were both dotted with a riot of orchids this year. Both had uncountable numbers of Fragrant, Common Spotted and Pyramidal Orchids. Burnt-tip Orchid was in record numbers of 250+ at Ladle Hill, whilst Noar Hill had vast numbers of Musk Orchid. It is curious how these rarer species vary so much in numbers from year to year.

The records below give several examples of how plants can re-establish naturally from the seed-bank (or spore-bank!) following sympathetic active management. A good example is the large patch of Pillwort (*Pilularia globulifera*) found this year at Fleet Pond following the scraping of an area in Nov 2005 intended to expose the old shoreline. Equally there are some examples of how scarce plants are decreasing due to lack of positive management.

***Agrimonia procera*** (Fragrant Agrimony) Six plants at trackside, east side of Bramshot Common, 8346 5536, Chris Hall 16 Aug 2007. A large clump beside the track that crosses the former Pondtail Farm, SE of Fleet Pond, 8265 5459, Chris Hall 23 Oct 2007.

***Ajuga reptans*** (Bugle) 18 spikes of a pink form amongst normal plants near Highclere Stud 4455 5725, Miles Hodgkiss 19 May 2008. 46 spikes of white form, or white with blue veins, amongst normal plants beside A303, Harewood Forest 4009 4439, Miles Hodgkiss 21 May 2008.

***Alopecurus aequalis*** (Orange Foxtail) East side of Fleet Pond where disturbed during winter scrub clearance, a patch in flower, 1.5m x 1m, 8227 5516, Chris Hall 16 Aug 2007.

***Anacamptis pyramidalis*** (Pyramidal Orchid) Grassland at Hazeley Heath tip, one spike, 760578, Chris Hall 19 Jul 2007. Ashley Warren Down, groups of 17 and 15 at 4868 5579, plus 24 at 4870 5563, many HFG members 14 Jun 2008. Total of 151 spikes counted on westbound verge of A31 near Alton, 744416, 743415, 742413, 736404, 735402, 729392, 726382, 725382, Steve Mansfield 28 Jun 2008 (the advantage of cycling rather than car-bound!). One spike at Bramshill at 7549 6149, on heathland but beside a concrete track, Tony Mundell 28 Jun 2008. Mervyn Grist sent me some splendid counts of various orchids that he has made for the last four years at four main road junctions at Andover, space does not allow me to list them all but for 2008 he noted 995 spikes of Pyramidal Orchid at 386445 and another 830 at 364441, including two pure white ones on the northern bank top at the latter site. One patch of 12 and another of 20 on edge of Stubbington Down 522 568, Sarah Ball 13 Jul 2008.

***Anagallis tenella*** (Bog Pimpernel) Bourley Ponds, north bank of the smaller pond 8287 5038, Chris Hall 7 Mar 2007 (20 years ago there were c.25 locations at Bourley, but many are overgrown now due to cessation of management of the ditches, or shaded out by the plantations). Eelmoor Marsh, turf-stripped mire near Laffan Track, increasing and now 11 patches, 8381 5300, Chris Hall 5 Jun 2007. Also in restored habitat where pinewood cleared (tree-ring count suggested 45 year old pines) and ground scraped, 12 young plants at 8381 5318, Chris Hall 12 Jun 2007. This site cannot have been suitable for 40+ years. Also at new location between Albion and Eelmoor Tracks, where birch scrub was dug out two years ago - there are currently over 30 sites for this plant on Eelmoor Marsh, compared with just two in 1994. East margin of Eelmoor Flash, large patch at 8423 5277, Chris Hall 12 Jun 2007. 40+ young plants have appeared where turf was stripped at Crookham Bog in April, 8278 5262 / 8279 5263, Chris Hall 1 Aug 2007. At least 82 young plants on new turf scrapes at Ancell's Meadows 8260 5600 / 8259 5597 near the northern end, Chris Hall 24 Sep 2007. Increasing on turf-stripped mire at Hazeley Heath, now c.90 x 60cm, and four smaller patches nearby 7640 5802, Chris Hall 3 Dec 2007. Plentiful around edges of pond at Ancell's Farm Reserve 824557 and small patches in 'newish' scrapes at 8259 5598 and 8263 5590, Tony Mundell 18 May 2008.

***Anthemis austriaca*** (Austrian Chamomile) This alien impostor that closely resembles Corn Chamomile was found for the first time in VC12 by Geoff Farwell on 21 June 2008, with 40 plants in the ruts of a footpath and in the adjacent crop at Brown Candover c.584393. Nearly all of them had been mown off when Tony Mundell visited on 16 July but a few scraps remained at 5838 3939 and 5834 3950, enabling it to be identified by Martin Rand and Tony by details of its seed and leaf shape.



***Arabis glabra*** (Tower Mustard) 20 over-wintering rosettes, plus one perennial plant noted during 'scrub-bash' on 23 Feb 2008 at Kingsley 7787 3776, Dominic Price, and Tony Mundell et al. A record 70 spikes counted by Bill & Chris Wain on 7 Jun 2008 at the MOD Linchborough site 8139 3346. George Peet also noted about 50 plants at the latter site.

***Arctium lappa*** (Greater Burdock) Margins of the main track that crosses Bramshot Common, 9 plants at 8349 5499 and 36 at 8348 5498 / 8342 5498, Chris Hall 16 Aug 2007.

***Astragalus danicus*** (Purple Milk-vetch) On 15 Jun 2008 Tony Mundell checked the former site at the Danebury Down road junction 3358 3757, but it is definitely long-gone (apparently the site was destroyed in the late 1970's when road-making equipment was stationed here in order to make an access road up to Danebury Hill Fort). Mike Wildish, Tony Mundell & Peter Billingham did re-find a small patch NW of Shipton Bellinger at 2175 4639, but that is just 7m across the border into VC8, Wiltshire. An intensive search by Tony Mundell and Peter Billingham on 7 Jun 2008 concluded that it is now probably lost from its last known Hampshire site at Perham Ranges west of Shipton Plantation 2390 4584 and 2391 4584, due to over-grazing by rabbits. John Moon also searched hard in 2008 but failed to re-find it here.

***Baldellia ranunculoides*** (Lesser Water Plantain) East margin of Eelmoor Flash, decreasing as other species form a closed sward, two plants at 8425 5280, seven at 8422 5276, Chris Hall 12 Jun 2007.

***Berberis vulgaris*** (Barberry) A splendid 3m high bush covered in buds in a hedgerow at 7376 5056, near Odiham, Tony Mundell & Sheila Bates 5 May 2008.

***Blysmus compressus*** (Flat-headed Sedge) Thriving at North Warnborough Meadows with an estimated 4,500 spikes at 15 separate 10m squares within 729 519, 730519, 730520 and 731520, Tony Mundell 2 Jun 2008. Apparently lost from Mapledurwell Fen c.678523, Tony Mundell 5 Jun 2008, and from King John's Meadow, Greywell c.724516, 8 Jun 2008.

***Campanula patula*** (Spreading Bellflower) On 17 Jun 2008 Tony Mundell failed to re-find this (for the BSBI Threatened Plants Pilot Project) at two former sites: "Lane behind St Mary's Church, Liss c.774279, 1982", where new house building now (2008) underway has removed the lane-side vegetation; and "Edge of lawn (once within Woolmer Forest), Lawrens Lodge, Standford c.814345, 1979", where this house has since been demolished and recently replaced with Standford Gospel Church Hall. However, the 1996 Flora of Hants say it only persisted one year at both locations so I was unlikely to find it!

***Cardamine bulbifera forma ptarmicifolia*** (Coralroot) Abundant beside School Lane, Headbourne Worthy 486319, still in bud, Andy Cross 31 Mar 2008. Determined as the continental and garden form (so not the native forma *bulbifera*) by Tony Mundell on 16 Apr 2008. There is a record here of only 20 plants back in 1984, but it has since spread aggressively (from its bulbils) to dominate over 100m of the roadside verge.

***Carex curta*** (now *C. canescens*) (White Sedge) Ancell's Farm Reserve, single clump in ditch at 8263 5590 and 6 in ditch at 8260 5585, Tony Mundell 18 May 2008.

***Carex distans*** (Distant Sedge) Well established at Laffan Meadow part of Eelmoor, c.7m x 2m patch at 8473 5354, Chris Hall 20 Jun 2007.

***Carex disticha*** (Brown Sedge) Southwood Meadows in unmown margin of amenity field, in two places, patch c.3m x 2m at 8537 5552, patch c.7m x 4m at 8532 5549, Chris Hall 22 Apr 2007. Also on east margin of this field, very locally dominant, c.11m x 5m at 8550 5545, Chris Hall 24 Aug 2007. Mapledurwell Fen e.g. at 6777 5231, Tony Mundell 5 Jun 2008. King John's Meadow, Greywell 7248 5165, Tony Mundell 8 Jun 2008.

***Carex hostiana*** (Tawny Sedge) South end of Eelmoor Marsh, 194 spikes in c.5m x 3m following habitat restoration 8372 5310, Chris Hall 12 Jun 2007.

***Carex pseudocyperus*** (Cyperus Sedge) At several places around Fleet Pond, 8181 5527, 8218 5477, 8172 5515, HFG meeting 31 May 2008,

***Carex pulicaris*** (Flea Sedge) Locally plentiful at Mapledurwell Fen 6778 5231 to 6777 5230, Tony Mundell 5 Jun 2008. 500+ at southern end of Hazeley Heath 763582, John Collman 24 Jun 2008, where present for many years

***Carex rostrata*** (Bottle Sedge) Colonising edge of scraped mire on Gelvert Marsh, c.50 stems, Fleet Pond 8232 5489, Chris Hall 13 Aug 2007. King John's Meadow, Greywell 7247 5164, Tony Mundell 8 Jun 2008.

***Carex vesicaria*** (Bladder Sedge) Two places on scraped mire c.3m x 4m, Gelvert Marsh, Fleet Pond 8230 5487, and two small patches near wood edge 8230 5485, Chris Hall 13 Aug 2007. Several plants in a small pond at Foxlease Meadows, mainly at north end of pond 8305 5661, 8307 5660, Tony Mundell & Sue Clark 24 Jun 2008.

***Carex viridula subsp. brachyrrhyncha*** (Long-stalked Yellow-Sedge) King John's Meadow, Greywell 7243 5160, Tony Mundell 8 Jun 2008.

***Carex viridula subsp. viridula*** (Small-fruited Yellow-Sedge) East margin of Eelmoor Flash, very locally plentiful at 8425 5280, Chris Hall 12 Jun 2007.

***Catabrosa aquatica*** (Water Whorl-grass) Patches in a few places at edge of small stream crossing North Warnborough Green Reserve 7314 5204, Tony Mundell 2 Jun 2008.

***Centaureum pulchellum*** (Lesser Centaury) Hundreds in short grass beside minor road at Cody Technology Park, near Building X109, extending for over 40m at 8473 5390 / 8469 5389, also 42 plants on corner of Valiant Way with Range Road 8479 5402, both Chris Hall 11 Aug 2007.

***Cephalanthera damasonium*** (White Helleborine) 12 flower spikes near Green's Copse, Harewood Forest 4058 4491, Miles Hodgkiss 21 May 2008. 200+ plants, 100 of them in flower, Andover 3638 4421, Miles Hodgkiss 23 May 2008.

***Cephalanthera longifolia*** (Narrow-leaved Helleborine) 14 rather small plants, most inside small chicken-wire cages,

apparently none had flowered, Old Stoner 7326 2580, plus one (also caged) at 7324 2580, Tony Mundell 26 Jun 2008. **Cirsium dissectum** (Meadow Thistle) Hollywater Farm, near Bordon, abundant with numerous huge patches mapped in meadow within 806341 and 806340, Tony Mundell 17 Jun 2008.

**Coeloglossum viride** (or *Dactylorhiza viridis* if you prefer!) (Frog Orchid) One at Noar Hill 7399 3190, Nigel Johnson 15 Jun 2008 and two more at same spot on 21 Jun 2008.

**Cornus mas** (Cornelian-cherry) North Oakley 5428 5407, two flowering plants in roadside hedge away from houses, Bill Helyar, first found 20 Feb 2008, confirmed with specimen collected on 3 Mar 2008. One bush in full flower, Winchester 498304, beside the A272 just south of M3 junction 9 on the west side of the road, Tony Mundell 17 Feb 2008.

**Crassula tillaea** (Mossy Stonecrop) Aldershot Common on minor path at Cheese Hill, 450+ plants in 2.5m at 8428 5078, Chris Hall 11 Apr 2007. Also in short turf south of Brown Loaf Hill, 300+ plants in 1.5m at 8429 5036, Chris Hall 13 Apr 2007. Scattered patches in vicinity of Sunny Hill but decreased due to erosion of tracks and the recent spreading of large quantities of wood chips, patches seen at 8481 5050, 8494 5054, 8496 5057, 8491 5063, 8481 5066, 8479 5067, Chris Hall 13 Apr 2007.

**Crataegus laevigata** (Midland Hawthorn) Fox Plantation, Tangley 3352 5206, on roadside verge east of road, Bill Helyar & Andrew Cleave 3 May 2008, specimen confirmed Tony Mundell.

**Crocus tommasinianus** (Early Crocus) Three almost directly beneath the A3057 in Andover where the river flows under the road, close to the underpass, 365464, Miles Hodgkiss 19 Feb 2008.

**Cyclamen hederifolium** (Sowbread) Still present, in leaf only, beside the footpath across fields at North Warnborough 7282 5154, well away from houses, Tony Mundell 22 Jan 2008.

**Dactylorhiza incarnata subsp. incarnata** (Early Marsh Orchid) A single plant in the north meadow at North Warnborough Reserve 7291 5203, Tony Mundell 5 Jun 2008 (there are many in the south meadow but this is the first for many years in the north meadow – no doubt because it is now being grazed).

**Dactylorhiza incarnata subsp. pulchella** (Early Marsh Orchid) Mown and grazed mire near Eelmoor field hut, 20 spikes in flower at 8394 5297 / 8393 5295, also 3 in bud in ditches to west, Chris Hall 29 May 2007. Ancell's Meadow, 3 spikes in flower at 8244 5582, Chris Hall 7 Jun 2007. Ancell's Meadow, 3 in flower at 8244 5581 to 8244 5583, Oliver Hine 9 Jun 2008.

**Dactylorhiza praetermissa** (Southern Marsh Orchid) Headley c.519611, in wet lower part of field behind Catts Cottages off the A339, Sarah Ball 20 Jun 2008. Several in the north meadow at North Warnborough Reserve 7289 5200, 7285 5200 etc, Tony Mundell 5 Jun 2008 (there are many in the south meadow but they are now increasing in the north meadow – no doubt because it is now being grazed). 43 spikes at Mapledurwell Fen 677 523, plus 8 at the gate end 6781 5227, Tony Mundell 5 Jun 2008. King John's Meadow, Greywell, many plants in 724 515 and 724 516, Tony Mundell 8 Jun 2008. Cody Technology Park, Farnborough, two at 8463 5385 and one at 8464 5382, both in a surprisingly dry area, Tony Mundell 12 Jun 2008. Dozens of spikes in wet meadow at Itchen Mill 5627 3179, Tony Mundell 21 Jun 2008. A remarkable 165 spikes, beside the track of the disused military railway north east from Liss Forest car park, roughly between 783294 and 785296, 17 on west side and 148 on east side, Bill & Chris Wain 26 Jun 2008. Martin Rand found this same colony on 10 July and noted that quite a few were forma junialis with ring spots on the leaves. Nine spikes at Chilbolton Common between 3860 4024 and 3876 3997, Miles Hodgkiss 5 Jul 2008, photo confirmed Tony Mundell.

**Dactylorhiza traunsteineri** (Narrow-leaved Marsh Orchid) One convincing (to me anyway) plant in full flower, before hardly any Southern Marsh Orchids were up, at Mapledurwell Fen 6777 5231, Tony Mundell 21 May 2008. Nick Montegriffo sent me photos of one taken there on 20 May 2008 (possibly the same plant) though he managed to find three. 30 years ago there were many more here but most have hybridized out by crossing with Southern Marsh Orchid.

**Digitalis lutea** (Straw Foxglove) Single clump with 3 flower spikes reaching 1m high on south-facing grassy roadside bank, Knights Enham 3635 4796, confirmed in-situ as *D. lutea* subsp. *lutea* by Tony Mundell 7 Jun 2008.

**Elatine hexandra** (Six-stamened Waterwort) East side of Fleet Pond, just a few plants on mud where disturbed by management last winter, 8227 5516, Chris Hall 16 Aug 2007. Also sparsely on bare mud for 2 square metres where ground trampled around bonfire site at 8224 5519, Chris Hall 23 Aug 2007.

**Eleocharis acicularis** (Needle Spike-rush) East side of Fleet Pond, 16 tufts in a row, plus a group and close to *Elatine hexandra* at 8224 5519, Chris Hall 23 Aug 2007.

**Epilobium roseum** (Pale Willowherb) A few plants at Hartley Wintney Green, close to A30, 786½568, Chris Hall 19 Jul 2007.

**Epipactis palustris** (Marsh Helleborine) Mapledurwell Fen 677523, Nick Montegriffo 30 Jun 2006. Two flower spikes beside each other amongst the display of Southern Marsh Orchids at Warnborough Green Meadows c.732521, Ralph Cook and Maisie Lawrence 21 Jun 2008 (there are other sites nearby e.g. at Greywell Pumping Station but I have no other records here - Tony Mundell). Large numbers, not yet flowering, at Mapledurwell Fen 6777 5231 to 6777 5230, Tony Mundell 5 Jun 2008.

**Epipactis phyllanthes** (Green-flowered Helleborine) About 12 plants (just starting to come up) shown to Tony Mundell by Bill Wain on roadside verge at Hollywater Road, Bordon 805343, 17 Jun 2008. Although this is a roadside SINC and HCC were reminded on 17 Jun that they must not be mown, (and they agreed that they would not be) all plants at this and two other SINC sites for this species were mown off a few days later! They had been mown off like this the year before on 30 Jun 2007. Back in 2001 we had over 100 flower spikes in Hollywater Road. Luckily more sprouted up later so that on 13 Jul 2008 Tony Mundell was able to count 30 in bud on the west side of the road scattered from



8058 3469 to 8053 3430 plus 8 on the east side. Also at least 6 spikes in Deadwater Valley LNR at c.805346, Bill Wain 28 Jun 2008.

***Epipactis purpurata*** (Violet Helleborine) Six spikes (two plants) at Beacon Hill Copse 8229 5065, Chris Hall 8 Aug 2007. Three plants in bud beside the mown verge a little way down the private road to Freemantle Park Farm, Hannington at 532 560½, Sarah Ball 13 Jul 2008 (photos confirmed Tony Mundell). Six splendid specimens at extreme SW corner of Highclere Wood 4365 5885, both in small semi-shaded grassy glade and an adjacent conifer plantation, where Church Lane meets the wood, Ian Ralphs 17 Jul 2008.

***Equisetum x litorale*** (Shore Horsetail) Plentiful in ditch at Ancell's Farm Reserve 8261 5605, Tony Mundell 18 May 2008.

***Equisetum sylvaticum*** (Wood Horsetail) Decreasing due to heavy shade at Beacon Hill, 34 plants along margin of a ditch and 6 beside the path, c.8236 5045, Chris Hall 8 Aug 2007. Appears to be lost from the site at Rowhills Copse, Aldershot, Fred Rumsey 10 Jun 2008 (both from the Surrey and Hants side of the border stream).

***Erica carnea*** (Winter Heath) Numerous plants in relic native acid grassland where buildings were cleared away some years ago at Cody Technology Park c.849541, Chris Hall 28 Apr 2008, identified Tony Mundell 29 Apr 2008 with c.180 clumps scattered over an area 20m across centered at 8493 5406.

***Erigeron karvinskianus*** (Mexican Fleabane) Growing on concrete wall of the ford at North Warnborough 7278 5197, Tony Mundell 2 Jun 2008.

***Erodium moschatum*** (Musk Stork's-bill) Several plants along pavement edge and more in adjacent grassy strip beside Farnham Road, Odiham 7442 5120, Tony Mundell & Sheila Bates 5 May 2008.

***Erysimum cheiri*** (Wallflower) Several beside the path above south edge of chalk pit, Odiham 7377 5056, but hundreds on the steep walls of the pit below in 737507, 736506, 736505, 737505 and 738506, Tony Mundell & Sheila Bates 5 May 2008.

***Filago lutescens*** (Red-tipped Cudweed) Broomhurst road verge, 44 plants on bank at 8126 5636 and 4 near turning 8126 5637, Chris Hall 7 Jun 2007. 89 on that same bank Tony Mundell 13 Jul 2008.

***Galanthus elwesii*** (Greater Snowdrop) 8 clumps at Hurstbourne Priors Churchyard 4396 4660, Michael & Carol Baron & Tony Mundell 30 Jan 2008. Hurstbourne Tarrant churchyard 3852 5301, Michael & Carol Baron, Tony Mundell & Peter Billinghamurst, 30 Jan 2008.

*Galanthus plicatus* (Pleated Snowdrop) 5 clumps at Hurstbourne Priors Churchyard 4396 4662, Michael & Carol Baron & Tony Mundell 30 Jan 2008. Plentiful in roadside woodland strip north of Hurstbourne Priors at 4331 4811, Michael & Carol Baron, Tony Mundell & Peter Billinghamurst, 30 Jan 2008.

***Galanthus plicatus x nivalis*** (a hybrid Snowdrop) Beside and just outside Hurstbourne Priors churchyard wall 4389 4662, Michael & Carol Baron & Tony Mundell 30 Jan 2008. In roadside woodland strip north of Hurstbourne Priors at 4331 4812, Michael & Carol Baron, Tony Mundell & Peter Billinghamurst, 30 Jan 2008.

***Galanthus woronowii*** (Green Snowdrop) Large clump at far end of Hurstbourne Tarrant churchyard 3858 5310, Michael & Carol Baron, Tony Mundell & Peter Billinghamurst, 30 Jan 2008

***Genista anglica*** (Petty Whin) In a detailed search at Bartley Heath on 4-5 May 2008, Peter Vaughan re-found 24 of the 25 plants recorded in 2007, plus a further 8, logging all their locations by GPS (too many to list here). A detailed search was also made at Ancell's Farm Reserve by a large team of people on 18 May 2008, recording 45 plants in 15 different 10m x 10m squares. One additional site located at Ancell's Farm Reserve at 8255 5580, Oliver Hine 9 Jun 2008.

***Genista tinctoria*** (Dyer's Green-weed) A survey of Ancell's Farm Reserve by Trust members on 18 May 2008 found some very large patches at 8254 5569 and a patch close to some *G. anglica* at 8254 5596.

*Geranium columbinum* (Long-stalked Crane's-bill) Ashley Warren Down, two beside short track at 4886 5601, many HFG members 14 Jun 2008.

***Geranium lucidum*** (Shining Cranesbill) Several in pavement cracks at junction of High Street and London Road, Odiham 7432 5118, also large patches of it beside nearby footpath at 7432 5123, Tony Mundell & Sheila Bates 5 May 2008. Small patch beside path at Fleet Pond 8211 5533, but really abundant along 100m of the adjacent railway tracks, Tony Mundell 27 May 2008.

***Geranium rotundifolium*** (Round-leaved Cranes-bill) 40 splendid large plants at foot of fence at junction of Aldershot Road and The Verne, 8128 5194, Tony Mundell Apr 2008, sprayed with herbicide a few days later! West End Farm, Upper Froyle, 12 robust plants in stretch of rank vegetation between public track and farm buildings at 7534 4259 and three at 7534 4260 (growing with Small-flowered Crane's-bill) on a partly soil-covered concrete apron in front of farm building, Sue Clark 31 May 2008, photos confirmed Tony Mundell.

***Gymnadenia conopsea albiflora*** (White form of Fragrant Orchid) Three plants at Noar Hill, one each at 7414 3191, 7425 3193, and 7410 3197, Nigel Johnson 15 Jun 2008.

***Gymnadenia conopsea subsp. densiflora*** (Dense-flowered Fragrant Orchid) One at Mapledurwell Fen c.6778 5231, Nick Montegriffo 8 Jul 2008. About 12 at Greywell Pumping Station, Bill Helyar, Paul Sterry & Andrew Cleave Jul 2008. David Caals estimated about 2 dozen at the Pumping Station and another 6 in the field beyond on 12 Jul 2008.

***Helleborus viridis*** (Green Hellebore) At least 17 plants some still pushing through ground on coppiced hazel roadside bank at Squiresfield Hanger near Bradshott Hall centered on 7617 3213, Bill Wain & Tony Mundell 31 Jan 2008. At least 13 plants just beginning to appear along top of northern roadside bank west of Empshott Green 7404 3096 to 7405 3097, Tony Mundell 31 Jan 2008, 20 plants visible there on 16 Feb 2008.

***Hieracium spilophaeum*** (a Hawkweed) In the course of re-determining herbarium specimens at BM, David McCosh came across this one collected by Dr Francis Rose from Danebury Hill 3237 in Jun 1955. It was previously named as

*H. maculatum* but that has now been split into several separate species.

***Hippuris vulgaris*** (Mare's-tail) Basingstoke Canal at Pondtail, a patch 12m long at 8250 5371, but much scarcer than 20 years ago, Chris Hall 16 May 2007.

***Hordeum secalinum*** (Meadow Barley) Very locally abundant at Southwood Meadows, west side of Cove Brook on low ridge centered on 8545 5513, c.900 culms, Chris Hall 15 Jun 2007. Also on east bank of Cove Brook near Hazel Avenue, centered on 8552 5532, c.1,200 culms in 8 groups Chris Hall 18 Jun 2007.

***Hyoscyamus niger*** (Henbane) Abundant, with many hundreds, perhaps even into thousands in a headland strip at Wooton St Lawrence 5745 5390 to 5752 5385, with an outlier at 5757 5379, Ian Mullen 5 Jul 2008.

***Jasione montana*** (Sheep's-bit) One plant in flower on heath near Fleet Pond car park 8237 5535, 4 Aug 2007. Also one plant bearing 6 stems and still in flower on turf-stripped area at west end of Fleet Pond dry heath 8228 5530, Chris Hall 19 Oct 2007. One in flower and others recently mown, Galley Hill Road churchyard 807½518, Chris Hall 18 Oct 2007.

***Juncus subnodulosus*** (Blunt-flowered Rush) The dominant plant throughout most of Mapledurwell Fen 677523, Tony Mundell 21 May 2008. King John's Meadow, Greywell 7244 5163, locally plentiful, Tony Mundell 8 Jun 2008.

***Lathraea squamaria*** (Toothwort) Hipple Lane, S of Ashmansworth, 418568, Glynne Evans 10 Apr 2007.

***Lathyrus nissolia*** (Grass Vetchling) Grassland around Ively Pond, locally plentiful, 300+ plants, 8495 5442 / 8498 5442 / 8497 5448 / 8495 5450 / 8510 5440, Chris Hall 9 Jun 2007. A few on grassy roadside bank at Knights Enham 3629 4796, Tony Mundell 7 Jun 2008. Patch at Bramshill 7528 6168, beside grassy track, Tony Mundell 28 Jun 2008. Three on the landfill area at Hazeley Heath 762577, John Collman 17 Jun 2008.

***Linum bienne*** (Pale Flax) Froyle Chalk Quarry, Well Lane 760449, Phil Budd 10 Jun 2008, one plant in flower and 3 in seed, photos confirmed Tony Mundell.

***Lithospermum arvense*** (Corn Gromwell) Two patches on arable field edge at Nuthanger Down found by Winston Churchill on 24 May 2008, confirmed by Tony Mundell and Bill Helyar on 30 May 2008, with 19 plants at 4944 5688 and 6 at 4953 5682. Sadly they were all mown off shortly afterwards before any seed was set (it seems to be DEFRA policy to eradicate rare arable plants by mowing headland strips!).

***Luzula sylvatica*** (Great Woodrush) Still very locally numerous on one part of north face of Caesar's Camp, 500+ plants, 8374 5028 / 8369 5028, Chris Hall 2 Mar 2007. Also still at Steep Hill, known since 1986, a single patch c.100cm x 80cm under birches near Bourley Road 8400 5081, Chris Hall 7 Mar 2007.

***Lycopodiella inundata*** (Marsh Clubmoss) Crookham Common central site, 77 plants including 21 stroboli, decreasing, 8234 5317, Chris Hall 9 Jul 2007. Turf-stripping was carried out by Plantlife adjacent to this site in 2007. Brocks Heath near Tweseldown, 19 plants beside minor path to east of Brocks Hill, decreased due to drought in 2006, and now only surviving where sheltered, 8284 5246, also on turf-stripped ground nearby, increased to 26 plants, including 4 with stroboli, 8288 5248, Chris Hall 1 Aug 2007. Turf-stripping was carried out by Plantlife adjacent to this site in 2007. Also decreased at Long Bottom, Aldershot Common, 90 plants including 2 with stroboli, 8424 5000, Chris Hall 2 Aug 2007. Turf-stripping was carried out by Plantlife adjacent to this site in 2007. Hawley Common, at least 67 plants, 8392 5816, two groups of 29 and 10 plants on the fire break at 8365 5805, other sites submerged so not counted, Chris Hall 27 Jul 2007.

***Macleaya x kewensis*** (*M. cordata* x *microcarpa*) Sherborne St John 623556, by wooden fence bordering a garden on Church Path, but often trimmed before they get more than a few feet high, Nick Montegriffo, 8 May 2007. They were trimmed off again in 2008!

***Menyanthes trifoliata*** (Bogbean) Barton Stacey, Dever Springs area, 432419, Glynne Evans 1 May 2007. Large patch on edge of reed-bed west of Sandy Bay, Fleet Pond 8233 5495, Chris Hall 23 Aug 2007. Locally plentiful at Mapledurwell Fen 6777 5231, Tony Mundell 21 May 2008. King John's Meadow, Greywell 7243 5159, Tony Mundell 8 Jun 2008.

***Misopates orontium*** (Weasel's-snout) Still present in Prospect Road Allotments, Farnborough 863559, Chris Hall 11 Sep 2008. About 10 in allotment at Hartley Wintney 768565, John Collman 6 Jul 2008, where present for at least the last 4 years.

***Monotropa hypopitys* subsp. *hypophegea*** (Yellow Bird's-nest) Additional locations at Porton Down under beeches beside a track, five at c.2487 3723, 22+ at 2490 3721, 100 at 2500 3719, also another 100+ at 2476 3727, 20m into the wood from the horses grave, Ailsa McKee 21 Jun 2008. Two groups of 5 spikes and 2 spikes at Micheldever Spoil Heaps Reserve at 5205 4437, beneath a large oak, Tony Mundell 5 Jun 2008. A very poor year for it at the Noar Hill site with only 13 very tiny depauperate plants, Tony Mundell 26 Jun 2008 (map ref withheld to avoid inadvertent trampling). In contrast, an amazing 443 spikes counted within about 10m of a tall telephone mast at Hawley Common 8401 5699 to 8401 5697, Tony Mundell & Sue Clark 24 Jun 2008. A return visit to Hawley Common by Tony Mundell on 3 Jul 2008 increased this count to 529 spikes within 30m of the telephone tower, plus 66 beside the metalled track at 8399 5692 and 8398 5692 and another 16 at 8416 5718 near the disused running track. Twenty spikes in a 2m x 1m patch at Old Stoner 7321 2581, Tony Mundell 26 Jun 2008. A single spike in decaying leaf litter on roadside verge of Hollywater Road, Bordon 8058 3469 growing beside *Epipactis phyllanthos*, shown to Tony Mundell by Bill Wain 13 Jul 2008.

***Myosurus minimus*** (Mouse-tail) Found by Ted Foard and his sister June Burgess in the field where Ted propagates and buds fruit trees at Blackmoor 7779 3312, two plants confirmed by Tony Mundell on 1 May 2008. An amazing 500+ plants in field beside St Mary's Church, Hartley Wintney, John Collman 22 Apr 2008, its first reappearance here since 2005, despite searches independently by John Collman and Tony Mundell.

***Oenanthe fistulosa*** (Tubular Water-dropwort) In amazing abundance amongst dense beds of *Carex acutiformis* and



*Oenanthe crocata* at Ashford Hill Meadows 5590 6200, Tony Mundell 30 May 2008.

***Ophioglossum vulgatum*** (Adder's Tongue Fern) At least 38 blades at Bentley Station Meadow 7939 4308, extending c.11m alongside the path round the northern meadow, a few metres before this path meets up again with the main N-S path, also a few more by path which cuts across this meadow, Sue Clark 3 May 2008. Few at Mapledurwell Fen 6778 5230, Tony Mundell 5 Jun 2008.

***Opherys apifera*** (Bee Orchid) One reported at Noar Hill 7397 3190, by Nigel Johnson on 15 Jun 2008, and two at same spot by Tony Mundell on 26 Jun 2008, so perhaps it is trying to make a welcome come-back at Noar Hill. Cody Technology Park, Farnborough, many scattered plants at apparently new locations at 8464 5384, 8457 5390 and 8461 5388, Tony Mundell 12 Jun 2008. Bramshill beside sandy heathland track, 3 spikes at 7574 6206 plus two at 7556 6206, Tony Mundell 28 Jun 2008. Two at the roundabout at Andover 343465 plus 4 at the A303 junction at 386445, Mervyn Grist Jun 2008.

***Opherys insectifera*** (Fly Orchid) 4 plants near the middle of Flea Sedge Pit, Noar Hill, in a slightly different spot from its usual location, Sue Clark 2 Jun 2008, and the same 4 also reported by Nigel Johnson at 7426 3185 on 15 Jun 2008. One in seed in usual location a little south at 7426 3184 shown to Tony Mundell by Veronica Carter 5 Jul 2008. 110 spikes actually counted (but c.300-440 estimated) in a brief survey at Old Burghclere Limeworks, present in 21 separate 10m x 10m squares within 471572, 472 572, 471573 and 472573, Tony & Pat Mundell and Miles Hodgkiss 5 Jun 2008. Total of 31 spikes counted at Micheldever Spoil Heaps in 7 separate 10m squares within 519443 and 520443, Tony Mundell 5 Jun 2008. Not re-found Tony Mundell 5 Jun 2008 at former site "Harewood Forest north edge, on B3400 edge of beechwood, single plant c.405463, 1963".

***Orchis purpurea*** (Lady Orchid) Two robust (non-flowering) seedlings with leaves over an inch wide are developing close to the original plant that was first found at Porton Down in 2003. One is about 1m away and the other about 1.5m from the original plant (which flowered again this year, but failed to set any seed). Seedlings shown to, and confirmed by, Tony Mundell on 15 Jun 2008.

***Orchis ustulata*** (Burnt-tip Orchid) A splendid year for it at Ladle Hill, four of us started to count them on 6 Jul 2008 as a thunder storm approached, but on reaching 50 spikes Bill Helyar & Tony Mundell retreated from the downpour, leaving Sarah Ball & Peter Billinghamurst (who were better dressed for arctic weather) to continue and add a further 79, bringing the total to 129. That tied up remarkably well with a count of 127 made by Ian Ralphs on 8 Jul 2008. Peter Billinghamurst returned on 14 Jul 2008 and counted a record-breaking 256 spikes.

***Ornithogalum nutans*** (Drooping Star-of-Bethlehem) On 31 Jan 2008 an amazing number of seedlings just pushing up through soil all along the roadside bank south of Oakhanger from 7703 3501 to 7706 3496, Tony Mundell & Bill Wain.

***Osmunda regalis*** (Royal Fern) Amongst rush swamp on margin of pond, by Albion Track, Eelmoor Marsh 8387 5328, young fern with two fronds, Chris Hall 12 Jun 2008.

***Papaver*** (Poppies) Four different species on arable field edge beside Ladle Hill from 4782 5761 to 4780 5672; 150+ *P. hybridum* (Rough Poppy), 5 *P. argemone* (Prickly Poppy) in fruit and one *P. dubium* (Long-headed Poppy) all amongst many *P. rhoeas* (Common Poppy), Peter Billinghamurst 14 Jul 2008.

***Paris quadrifolia*** (Herb Paris) A small patch of 17 plants but only one flowering at Bentley Station Meadow 7940 4305 in wet boggy ground just before crossing the stream going south, separate from its main site which has many flowers, Sue Clark 3 May 2008. Great swathes of it in Fox Plantation, Tangley 3356 5221, on both sides of road, Andrew Cleave & Bill Helyar 3 May 2008. Still present at Caveley Copse 485594, close to the road, Sarah Ball 13 May 2008.

***Pedicularis palustris*** (Marsh Lousewort) King John's Meadow, Greywell, plentiful at 7244 5160, 7244 5163, 7247 5160, Tony Mundell 8 Jun 2008.

***Pilosella aurantiaca*** (Fox and Cubs) An eye catching display on the mown verge of the B3046 near Preston Candover 6033 4130, Nicky Court 23 Jun 2008.

***Pilularia globulifera*** (Pillwort) Locally plentiful in a patch 6m x 3m within an area scraped in Nov 2005 to enlarge a pool on the edge of the marsh at Fleet Pond 8245 5508, Chris Hall 7 Jul 2008.

***Platanthera chlorantha*** (Greater Butterfly Orchid) One plant at Noar Hill 744318, Daniel Atwell 8 May 2008 (several other people recorded this same plant in 2008 that has appeared in this same spot for several years).

***Populus trichocarpa*** (Western Balsam-poplar) Sherborne St John 623556, Nick Montegriffo 7 Apr 2008, specimen & photos conf. Tony Mundell.

***Potamogeton crispus*** (Curled Pondweed) Basingstoke Canal, Crookham Village in small quantity 794516, Chris Hall 15 Jul 2007.

***Potentilla norvegica*** (Ternate-leaved Cinquefoil) Over 70 plants at Woolmer Forest 7901 3331, in a churned-up circular grassy patch beside the route of the old military railway, Tony Mundell 13 Jul 2008.

***Potentilla palustris*** (Marsh Cinquefoil) Hollywater Farm, near Bordon, in ditch at several places 8098 3438, 8099 3434, 8105 3413, Tony Mundell 17 Jun 2008.

***Prunus serrulata*** (Japanese Cherry) Sherborne St John 620558, one in hedgerow near Cranes Farm, Nick Montegriffo 4 May 2006.

***Pyrola minor*** (Common Wintergreen) Upper Bourley, just 8 plants re-found in scrub, decreasing, 8265 4960, Chris Hall 7 Mar 2007. The site is outside of the grazing enclosures and all the heathland in the vicinity is becoming badly scrubbed-up. Crookham Common under birch at Forester's Hill by informal car park and covering 4m x 2m, c.350 plants, 8274 5279, also an isolated group of 7 plants close to the road, Chris Hall 7 Mar 2007. The following three sites in Woolmer Forest were shown to Tony Mundell by Bill & Chris Wain on 17 Jun 2008: a 3m x 1m patch on east side of track (the former military railway) at 7927 3376; extending over an area of 10m x 2m inside a fenced enclosure

on the north side of the Danger Area perimeter fence from 8004 3356 to 8006 3356; scattered along the west side of a track in a patch 6m x 1m at 8004 3365.

***Radiola linoides*** (Allseed) Brocks Heath, 17 young plants by the minor path just east of Brocks Hill 8284 5246, Chris Hall 12 Jun 2007, could not be re-found later in summer. In amazing abundance with thousands of tiny plants carpeting the ground along part of the course of the old military railway at Woolmer mainly from 7915 3339 to 7909 3335 with small outlier colonies nearby e.g. 7902 3330, Tony Mundell 13 Jul 2008.

***Ranunculus ficaria subsp. ficariiformis*** ('Giant' Lesser Celandine) This subspecies has huge leaves and flowers. A very large patch in the front garden of Elm Cottages, North Warnborough 7287 5116 is making an escape bid and has spread to the adjacent road verge, Tony Mundell 22 Jan 2008. I returned on 5 May to check that it had not formed bulbils (to rule out subspecies *chrysocephalus*) but found that the escaped plants had all been mown off – those in the garden had no bulbils.

***Ranunculus lingua*** (Greater Spearwort) Along 6m of Cove Brook at its junction with Marrow brook, near Hazel Avenue, Cove 8551 5494, no doubt introduced, Chris Hall 15 Jun 2007.

***Rosa rubiginosa*** (Sweet Briar) Husseys Farm, Husseys Lane, Lower Froyle 7655 5521, growing through concrete between derelict farm buildings, Sue Clark 26 Apr 2008, confirmed Tony Mundell. Bramshill, one bush at 7528 6166 and 6 at 7529 6169, beside grassy track, Tony Mundell 28 Jun 2008. 2 plants on western verge of recently built road junction at Burghclere 4606 6604, Peter Billinghurst 12 Jul 2008, confirmed Tony Mundell.

***Salix x sericans*** (*S. caprea* x *viminialis*) Sherborne St John 623556, Nick Montegriffo 8 May 2006, det. Tony Mundell from specimen & photos 13 May 2008.

***Sambucus nigra var. laciniata*** (Cut-leaved variety of Elder) The single bush is still present at Pondtail Bridge, Fleet 823537, though now rather hidden amongst bushes, Tony Mundell 20 May 2008, where I first noted it in 1980.

***Saxifraga granulata*** (Meadow Saxifrage) Oakhill Wood, Fosbury 323573, Glynne Evans 13 May 2006. On the top of the north-facing slope at 483568 just east of Ladle Hill, Sarah Ball 11 May 2008. Plentiful scattered along the slope under the 'gallops' at Watership Down 495569 to 502570, Sarah Ball & Audrey Moss-Bradnam 24 May 2008. Still present at Church Crookham churchyard 8075 5184, now in seed, Tony Mundell 5 Jun 2008. Ashley Warren Down, few in seed at 4872 5596 struggling to survive in long grass, many HFG members 14 Jun 2008.

***Scirpus sylvaticus*** (Wood Clubrush) Several stands in the carr near River Wey to south of Bordon Inclosure 8013 3589, 8018 3608, Chris Hall 13 Jul 2007. Two places in Cove Brook near West Heath 8577 5653, adjacent to amenity grassland and 8575 5640 near footbridge, Chris Hall 24 Jul 2007. Many in marshy area beside stream at Newtown 4832 6327, Peter Billinghurst 13 Jul 2008.

***Scleranthus annuus*** (Annual Knawel) Broomhurst road verge, three plants 8126 5637, Chris Hall 7 Jun 2007. Chris reported six plants there in July 2008 and earlier on 9 Jun 2008 Fred Rumsey found two plants there.

***Silene gallica*** (Small-flowered Catchfly) Initially it did well at Conde Way, Bordon 796347 following a gorse clearance work party last winter, with hundreds of plants noted by Chris Wain, until a local householder trimmed most of them off! 50 flowering/seeding plants remained from 7964 3470 to 7966 3470 when Tony Mundell visited later on 17 Jun 2008.

***Solidago virgaurea*** (Goldenrod) Leaves locally abundant in Church Crookham churchyard 8076 5188, Tony Mundell 5 Jun 2008.

***Stellaria pallida*** (Lesser Chickweed) On verge of Commer Track at Eelmoor Marsh, a patch c.25cm across at 8400 5293, and 8 small plants at 8403 5297, Chris Hall 16 Mar 2007. Grass verge by Westmead, Farnborough, small patches and scattered plants, 8664 5520 / 8667 5527, Chris Hall 27 Mar 2007. Scattered in several places on grassy verges at Humphrey Park, Church Crookham, e.g. 8079 5141, 8081 5144, 8076 5139, 8072 5135, Tony Mundell 29 Apr 2008.

***Stellaria palustris*** (Marsh Stitchwort) Four plants close together, Ashford Hill Meadows 5626 6207, Tony Mundell & Bill Helyar 14 Jun 2008 (but we failed to re-find it at the other two recorded spots at Ashford Hill Meadows). Still present around edge of a small pond at Foxlease Meadows, mainly on west side, 8304 5661, 8305 5661, 8304 5660, 14 plants in all, Tony Mundell & Sue Clark 24 Jun 2008. Lost from the former site at Hartley Wespall c.6968 5675, Tony Mundell searched the whole meadow unsuccessfully on 24 Jun 2008, but it has evidently not been grazed for many years and is now practically a monoculture of tall, almost impenetrable, Soft Rush and Reed Canary Grass.

***Symphytum orientale*** (White Comfrey) One clump on raised bank of car park at Bramshill 7603 6133, Tony Mundell 28 Jun 2008.

***Tephrosieris integrifolia*** (Field Fleawort) Just starting to flower at Ladle Hill, Sarah Ball 13 May 2008. 25+ on Ladle Hill 4785 5675, Miles Hodgkiss 30 May 2008.

***Thelypteris palustris*** (Marsh Fern) Very locally abundant near water's edge in Fugelmere Reed bed at Fleet Pond 8218 5487, increased since 2002 and now extending c.17m, Chris Hall 13 Aug 2007.

***Thymus pulegioides*** (Large Thyme) Ashley Warren Down, at 4871 5572 in species-rich short chalk grassland, many HFG members 14 Jun 2008.

***Torilis arvensis*** (Spreading Hedge Parsley) 21 plants scattered along the edge of an arable field, south of Crondall from 7940 4760 to 7952 4763, on the north side of the footpath, Tony Mundell 28 June 2008. Following a tip-off, Geoffrey Field counted 43 plants in the same place on 3 July 2008.

***Trifolium medium*** (Zig-zag Clover) Beside track at Frith Common 5444 5945, Tony Mundell 21 May 2008.

***Umbilicus rupestris*** (Navelwort) On shady bank of lane west of the mill, Sheet 7579 2473, Ron Groom 19 May 2007. Still present on wall in Pavilion Road, Aldershot, 10 Jun 2008, with 4 dogged survivors who have resisted the "wall cleaning" (though there were 8 flowering in April 2008), Fred Rumsey.



***Utricularia australis*** (Bladderwort) Following a tip-off from Bill Wain, Tony Mundell re-found this on 13 Jul 2008 completely filling a rather mucky brick “tank” (the foundations of a derelict building) around 3m square, beside the course of the old military railway at Woolmer Forest 7912 3337.

***Valeriana dioica*** (Marsh Valerian) Locally plentiful at Mapledurwell Fen 6777 5231, Tony Mundell 21 May 2008. King John’s Meadow, Greywell 7245 5161 and 7244 5163, Tony Mundell 8 Jun 2008.

***Verbascum x semialbum*** (*V. thapsus* x *nigrum*) On waste land with both parents, next to Woodstock plumbers merchants in Picket Piece 3867 4707, Miles Hodgkiss 7 Jul 2008, confirmed Tony Mundell.

***Veronica peduncularis*** (a garden Speedwell) Covering 1-2 square metres in a small triangle of woodland adjacent to St Mary’s Church, Crawley 4245 3484, Mike Shaw 5 Mar 2008, confirmed Tony Mundell.

***Veronica persica*** (Common Field Speedwell) 14 pure white-flowered plants beside bridleway SE of Micheldever 525383, photos sent to Tony Mundell by David Caals 5 May 2008.

***Viola palustris*** (Marsh Violet) On 17 Jun 2008 Tony Mundell failed to re-find this at Lady Anne’s 1980 site at 782300, which is now infested with an impenetrable thicket of *Rhododendron ponticum*.

**Compiled 21 July 2008**

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

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