



**Hampshire &
Isle of Wight**

Flora News

Newsletter of Hampshire & Isle of Wight Wildlife Trust's Flora Group Autumn 2005

Dear Flora Group Member

The Flora Group committee members hope that you had an enjoyable summer and we look forward to seeing you at some of the events over the next few months.

As always, we are keen to receive your suggestions for events and activities and we are already acting on some of the ideas raised at the AGM earlier this year. Please send any ideas to Catherine Chatters (Flora Group Secretary). Catherine's address and telephone number are given at the end of this newsletter.



FORTHCOMING EVENTS

Sunday 2 October 2005, 10.30am (meet at 10.15am)
Vegetative identification training day in Royden Woods H&IOWWT reserve
Leader: John Poland

The use of vegetative characters has been somewhat neglected in the identification of plants. However, as for most of the year leaves provide the only visible indication of a species' presence it is often essential to be able to identify them...correctly!

The purpose of the meeting will be to encourage participants to identify plants using previously overlooked characters including hydathodes and vascular bundles in addition to more well known characters. Participants may also be able to contribute their own tricks and tips, which they have found useful in clinching identification of similar species. The meeting is not intended to be a complicated taxonomic workshop and everyone is welcome!

A range of habitats will be explored in Royden Woods. Please wear stout footwear and bring a packed lunch and a hand lens (if you have one). Meet at 10.15 am at the Filly Inn car park at Setley on the A336 south of Brockenhurst. We will then drive on to Royden Woods from there, to start the event at 10.30am.

John Poland is working with Eric Clement and Debbie Allen on the much-needed 'Vegetative Key to the British Flora'.

For further details of the event please e-mail John at jpp197@alumni.soton.ac.uk or phone 0771 4568361 (mobile).

October/November 2005

Waxcap Foray

Leaders: John Norton and Neil Sanderson

Neil Sanderson and John Norton will be leading a foray for waxcaps (*Hygrocybe*) and other interesting grassland fungi some time this autumn, providing a good crop comes up. See Neil's article in the Spring 2005 edition of Flora News (page 6) for some background on these conservation-worthy and photogenic species. Because the waxcap season is so unpredictable, the meeting may be held at short notice. If you are interested in coming along please e-mail, telephone or write to John and he will contact you once a date has been fixed.

Contact: John Norton, 215 Forton Road, Gosport, PO12 3HB john.norton01@ntlworld.com
Tel 023 9252 0828

Sunday 6 November 2005, 10.30 am

Conservation work party for *Arabis glabra*, Tower Mustard (joint meeting with Plantlife).

Meet 10.30am at Kingsley Centre car park, beside the B3004, in Kingsley itself, opposite the church at SU787381. The aim is to remove encroaching brambles and scrub that are swamping a site for Tower Mustard, a nationally endangered species. Some refreshments, tools and work gloves will be provided. The site is a very steep bank so bring walking boots. If you wish to stay more than a couple of hours bring a packed lunch. The event will finish no later than 3pm.

Contact: Tony Mundell 01252 614516.

Thursday 10 November 2005, 10.30 am

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

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

The main aim is to disturb the sandy soil so that seeds of this 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. If you wish to stay more than a couple of hours bring a packed lunch. The event will finish no later than 3pm (and possibly much earlier).

Contact: Tony Mundell 01252 614516.

Saturday 19 November 2005, 2pm – 5pm

Flora Group / BSBI Exhibition Meeting

Testwood Lakes Centre, Totton, SU345155

We will continue this traditional autumn get-together / social event, so please bring along cakes and other goodies to eat, plus your specimens, photos, material for display boards, and any other botanical talking point. Tony Mundell will show some slides of Hampshire plants; please bring along a few of your own to show if you can (but only species found in Hampshire!).

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 first block of industrial units. Go along the track, ignoring the first (public) car park, until the Centre comes into view above the lake. There is plenty of parking there.

Saturday 25 March 2006, 10.30am

Rare Plant Register meeting for *Carex humilis*, Dwarf Sedge, Martin and Rockbourne areas.

Leader: Martin Rand

Meet at Martin Down car park, SU057191.

Dwarf Sedge has a stronghold on Martin Down and adjacent downland, but seems to be faring badly in many of its outlying Hampshire sites and has been lost from some. After a visit to Martin Down NNR to familiarise

people with this very early flowering sedge, we will disperse widely by car to check on several older known sites in Vice-counties 8 and 11.

Contact: Martin Rand 023 8036 0395

Saturday 6 May 2006, 10.30am

Advance notice of Flora Group AGM with visit to Shortheath Common and Binswood.

Leader: Tony Mundell

Meet in Shortheath Pond car park at SU774369. For over 40 years Shortheath Pond has been well known for an abundance of an alien water plant, *Sagittaria subulata*, Narrow-leaved Arrowhead. Apart from the pond we will visit the adjacent bog which has *Vaccinium oxycoccus*, Cranberry, and the nearby woodland at Binswood. This will provide an opportunity to see many different plants in a variety of habitats. Relative beginners are especially welcome and the intention is to provide some basic advice on recording, together with help in identifying common plants. Bring a packed lunch. During our lunch break we will hold a brief and informal AGM.

Sunday 11 June 2006, 10am

Sedge Identification Training Day in New Forest

Leader: Martin Rand

This meeting will continue from the training day in 2005 by introducing further sedges and sedge relatives of heath, acid grassland and bog. Numbers will be limited and **booking will be essential**. Meet in Yewtree Bottom car park at SU253003.

Contact: Martin Rand, 023 8036 0395

Saturday 17 June 2006, 10.30 am to 4pm

Visit to Eelmoor Marsh SSSI.

Leaders: Tony Mundell & Chris Hall

This is advance notice of a rare chance to visit this superb site, with a rich bog flora including both species of Butterwort. Numbers will be limited to 30 people and booking will be essential, but bookings will not be taken until the next (Spring 2006) issue of Flora News appears. Meet in car park at Cody Gate entrance to QinetiQ, Farnborough SU844543.

Sunday 30 July 2006, Visit to Micheldever Spoils Reserve

Afternoon only, 2pm to 5pm, meeting in car park at the reserve entrance SU521445.

Leaders: Michael Edwards & Tony Mundell

This is advance notice – further details to follow in the next (Spring 2006) issue of Flora News. This site has large numbers of *Teucrium botrys* (Cut-leaved Germander), *Potentilla neumanniana* (Spring Cinquefoil) and *Galeopsis angustifolia* (Red Hemp-nettle) plus several other rarities. Car parking will have to be limited to 10 cars so it will be **necessary to book** (preference will be given to a car full of people!). Bookings will not be taken until the next (Spring 2006) issue of Flora News appears so you have time to sort out who else you could bring!

Sunday 27 August 2006

A beginner's introduction to ferns

Leader: Fred Rumsey

Fred Rumsey of the Natural History Museum has kindly offered to lead a training day to introduce people to ferns. This event is aimed at complete beginners or those with little knowledge of ferns. Fred will concentrate on the biology of ferns and will help with the identification of species likely to be found in Hampshire and the Isle of Wight. The event will involve both indoor and outdoor sessions. Further details regarding times, venue etc will be given in the Spring 2006 edition of Flora News. In the meantime you might like to put the date in your diary.

NEWS AND VIEWS

Polypody Identification in the New Forest - 5 February 2005

This meeting jointly held with the British Pteridological Society produced one of the best ever turnouts for a Flora Group meeting, with around 70 people present including national fern experts Chris Page, Martin Rickard and Fred Rumsey. In the morning we enjoyed a pleasant stroll around Hollands Wood, near Lyndhurst, where we were enthusiastically tutored on the genetics, morphology and life-history of this difficult and poorly-understood group. Here, the two less common species: *Polypodium interjectum* (Intermediate Polypody) and *P. cambricum* (Southern Polypody) grow in profusion as epiphytes on old Pedunculate Oaks, though the latter species is more often thought of as characteristic of old walls and rock exposures. We also saw a probable hybrid between *P. vulgare* (Common Polypody) and *P. interjectum* (*Polypodium x mantoniae*). Several colonies of atypical plants were seen that seemed puzzling even to the experts. Fronds of these were collected for later biometric analysis as suggested by Dr Page.

After lunch some of us reconvened at the Testwood Lakes study centre to look at polypody specimens under the microscope and look more closely at pressed specimens and some live plants of both British and non-British species brought down by Fred Rumsey. A very enjoyable and successful day.

John Norton



Polypodium cambricum (Southern Polypody) growing epiphytically on oak bough.



Professor Chris Page (centre) at New Forest Polypody meeting, 5 February 2005, with vice-county recorders Tony Mundell (left, with camera) and Martin Rand (right).

Exotic and Hybrid Elms in Hampshire – a note by Martin Rand

Butterfly Conservation are conducting field trials with a number of Elm taxa and cultivars which either show some resistance to Dutch Elm Disease or appear to be considered unmunchworthy by the Elm Bark Beetle. Their hope is eventually to restore populations of White-letter Hairstreak. Flora Group members may therefore come across puzzling Elms in various parts of the county. Time doesn't currently permit a full account of the introduced taxa, but meanwhile the following list will give an idea of where they are. I am grateful to Andrew Brookes, of Portsmouth University and Butterfly Conservation, for his help in providing details. If anyone would like full details of what is planted where, please contact me on 023 8036 0395 or by e-mail at martin.rand@ntlworld.com

List of Introduction Sites

Bentley Station Meadow, Bentley, SU 7920 4280
Cams Woods, Fareham, SU 5930 0550
Castle Shore Park, Portchester, SU 6215 0520
Defence Munitions Gosport, Bedenham, SU 5930 0435
Great Fontley Farm, Titchfield Lane, Fontley, SU 5510 0910
Homerhill Copse, Boarhunt, SU 5895 0950
Horsea Island, Portsmouth, SU 6415 0400
IBM North Harbour, Portsmouth, SU 6485 0520
John O'Gaunt Fishery, King's Somborne, SU 3490 3210
Marsh's Copse, Swanmore, SU 5690 1600
Nelson Reservoir, Ports Down, SU 6090 0715
Outdoor Activities Centre, Eastern Road, Portsmouth, SU 6755 0285
Pigeonhouse Farm chalkpit, Ports Down, SU 6440 0720
Port Creek, Hilsea, Portsmouth, SU 6600 0440
Portchester Castle, Fareham, SU 6240 0445
Sir Harold Hillier Gardens, Ampfield, SU 3760 2370
Rudley Mill Farm, Hambledon, SU 6265 1270
Sowley House, East End, Lymington, SZ 3770 9640
Trout lakes near Totton, Precise location not known
Wicor shore, Portchester, SU 6030 0485
Yew Hill Reservoir, Winchester, SU 5420 2630

List of Taxa

Most of the cultivars listed below are multiway crosses involving several species.

Ulmus x 'Accolade' (Ulmus japonica x Ulmus wilsoniana)

Provenance: both parents from Eastern Asia
9 sites 2002 - 2004

Ulmus 'Clusius'

2 sites 2001

Ulmus 'Columella'

2 sites 2002

Ulmus 'Dodoens'

3 sites 2001

Ulmus LUTECE®

18 sites 2002 - 2005

Ulmus 'New Horizon'

3 sites 2001

Ulmus 'Plinio'

7 sites 2004

Ulmus 'San Zanobi'

5 sites 2003

Ulmus americana var. 'Princeton'

2 sites 2003

Ulmus davidiana [from Liaoning Province, China]

7 sites 2002 - 2004

Ulmus glabra [from Mt. Šimonka, Slovakia]

1 site 2004

Ulmus japonica [from Odori Park, Sapporo, Japan]

1 site 2003

Ulmus laciniata [from Hokkaido University Campus, Sapporo, Japan]

1 site 2002

Ulmus laevis [from Loire Valley, Orleans, France]

14 sites 2002 - 2005

Ulmus parvifolia

Provenance: Eastern Asia

1 site 2001

The new Vascular Plant Red Data List for Great Britain

The following information has been extracted from the website of the Joint Nature Conservation Committee (JNCC).

In May 2005 the new Vascular Plant Red Data List for Great Britain was launched. Two years in the making, this new list is the result of an analysis of the whole of the British flora. This is the first time this has been attempted and there are many species included that have never appeared on any threat lists before but nevertheless are in rapid decline. The report shows that out of 1,756 taxa, 345 (19.6%) are currently threatened.

Key messages

- Upland plants are declining due to over grazing
- Arable plants have almost disappeared in large parts of the country
- Plants of unimproved grassland are disappearing. Many are only hanging on in small fragments such as roadsides and these are under severe pressure
- As a nation, we have been successful at looking after our rarest species but very bad at preventing widespread species suffering severe declines

It is clear that we must focus our efforts on halting and reversing the loss of previously common and familiar species. The diversity of our countryside is being constantly degraded as habitats are fragmented and the associated plants are lost. Achieving this goal is a massive challenge and can only happen through changing policies for countryside management. However, with the improved understanding presented in this report we can be optimistic that we know where to focus our efforts.

Chris Cheffings, Plants Adviser to the JNCC, puts the relevance of the findings into perspective. She notes 'my parents' farm was one of the last sites in Lincolnshire for corn buttercup. Alas, that has now all gone. I grew up seeing purple milk-vetch on the roadsides. This is now, by and large, gone. Seeing these species being Red Listed has made this publication much more personally relevant and shocking, as it is no longer filled with just those rare plants that you never saw anyway'.

What's new?

The new Red List is radically different from the previous three editions of the Red Data Book for vascular plants because this is the first time that:

- The decline of each species has been analysed (and therefore what level of threat they face), rather than simply listing those that occur in a small number of sites
- All species that are native or archaeophyte (plants introduced before 1500 AD) in Britain have been looked at. This means that all species have been treated equally and there are many new additions to the list as a result
- Hybrids are included in recognition of the essential role that play in plant evolution
- Species in groups that are traditionally very difficult to identify (for example, there are over 230 species of dandelion in Britain) have been included in the analysis thanks to improved knowledge of their distributions.

The work has been carried out by a partnership co-ordinated by JNCC and including Biological Records Centre (with CEH), BSBI, Countryside Council for Wales, English Nature, Natural History Museum, Plantlife, Royal Botanic Garden Edinburgh and Scottish Natural Heritage.

A completely revised list of the status of Britain's threatened wild plants, ranging from the extreme case of 'extinct' through 'critically endangered' and 'vulnerable' to 'least concern' has been the result.

Simon Leach, Botanical Adviser at English Nature, said 'This new Red List tells us about what's been happening to our plants over the last 40-odd years and the extent to which so many once commonplace species have now declined to the point where they are now 'threatened'. We've been rather good at stopping rare plants from becoming extinct, but less good, perhaps, at stopping common plants from becoming less common. We are hoping that agri-environment schemes and other landscape-scale initiatives will help to arrest and reverse the decline of many of the declining species. The new Red List points to those that need the most urgent action'.

Examples of relatively widespread species now known to be in serious decline are corn spurrey, purple milk-vetch,

annual knawel, basil thyme, lesser butterfly and frog orchids, dodder, frogbit, prickly saltwort and tubular water dropwort.

Exciting fungi found at Blashford

Martin Harvey (formerly of Hampshire and Isle of Wight Wildlife Trust) reports that some exciting fungi were found at Blashford during February 2005. One of these was *Omphalina chlorocyanea* (3 records nationally last century) and the other was *Caloscypha fulgens* (Red Data Book – 8 records nationally in last decade).



Omphalina chlorocyanea (above)



Caloscypha fulgens (above)

Thursday 8th December

Species Groups Christmas Social

7pm till closing. Join the amphibian and reptile, invertebrate and mammal species groups for an informal chat about the last year, catch up on what others have been doing and have a good gossip about Hampshire's wildlife. This year it will be at the Bishop of the Bridge, 1 High Street, Winchester, Hampshire, SO23 9JX. For more details call Kirsten knap 01489 774406 or email kirstenk@hwt.org.uk

Invitation to join the North West Area Smart Group

The Committee of the NW District of the Hampshire and Isle of Wight Wildlife Trust have created a 'Smart Group' to help improve communications between Wildlife Trust members in the District. What is a Smart Group? A Smart Group is an effective tool for group communication. Each Group has its own e-mail address allowing members to post and receive messages from the Group, as well as photo albums and a calendar. Flora Group members are very welcome to join the North West District's 'Smart Group'. Below are instructions on how to join. Please send an e-mail to feedback@hwt.org.uk if you need any help or want to know more.

To join the Smart Group, go to the following web location:
<http://www.smartgroups.com/joingroup?gid=2888178&p=78yz1ev8&u=92848257>

The following terms and conditions apply:
<http://www.smartgroups.com/text/en/legal.cfm>

Once you join the Group, if you decide to leave you can do so either from the Group's homepage or by sending an e-mail to wildlifetrust-nwhants-unsubscribe@smartgroups.com

New books on orchids

'Orchids of the British Isles' by Michael Foley and Sidney Clarke combines authoritative information with magnificent photography to celebrate the wild orchids of Great Britain and Ireland. It links the observations of early botanists to the most up-to-date research. Each of the 55 orchid species recorded from the British Isles is described in full, with detailed information given on botanical history, habitats and conservation requirements. Numerous variants and hybrids are also discussed and illustrated. Close-up photography reveals the details of individual flowers. Supporting the species accounts are chapters explaining orchid biology, taxonomy, identification, ecology and distribution. Finally there is a chapter giving detailed advice on techniques for success when photographing orchids.

'Britain's Orchids' by David Lang is a new comprehensive illustrated field guide published by WildGuides. It enables all the species and sub species to be named using easy to identify key features.

Input of plant data into Mapmate – a note by Tony Mundell

Following on from the article that I wrote (with some input from Martin Rand) in the Spring 2005 issue of *Flora News*, Martin Harvey commented on some differences between the user guidelines that he recommends at Mapmate training courses and the advice in my article.

In most cases the differences are minor e.g. I recommend always entering a four-figure year whereas Martin Harvey points out that if the record is post-1999 then two figures suffice (as Mapmate inserts the leading '20'). I accept this, but as I still have thousands of pre-1999 records to enter, it is safer to always use the full year (my records go back centuries!).

The only two issues where I feel there is a significant divergence of opinion concern the use of 8-figure map references and the format of recorder's names. The article in *Flora News* suggests truncating 8-figure map references to 6-figures for entry in the **Grid Ref.** field, but recording the 8-figure reference in the **Comment** field. The reasoning behind this is to avoid having huge numbers of separate sites all with the same name but with very slightly different map references. This will already happen with 6-figure references but using 8-figures will seriously compound the problem. For the rarer species Martin Harvey would much prefer the use of 8-figure references entered directly in the **Grid Ref.** field so that they are mapped more precisely.

For rare plants it is certainly important that an 8-figure reference is recorded *somewhere* in Mapmate. However, often such plants are dotted about within a site and do not all occur in the same 10m x 10m square (i.e. an 8-figure reference). In those cases I still think it is preferable to enter a 6-figure value for the **Grid Ref.** but to include a list of 8-figure references in the **Comment** field (provided they are all within the 100m x 100m square specified by 6 figures). However, when there is only a single confined spot for a rarity within a large area I would agree to using a separate **Site** defined by an 8-figure value in the **Grid Ref.** field.

The format suggested for entering recorder's names in the *Flora News* article is "Mundell, A R G" (i.e. following the format used in the 1996 *Flora of Hampshire*, but omitting the full stops). My article suggested entering further explanatory detail under the **Name/Comment** sub-heading, e.g. "Anthony (Tony) R G Mundell, BSBI VC12 Recorder". Martin Harvey points out that on Mapmate courses he recommends using the format "Tony (A.R.G.) Mundell" in the **Name** field. I think we can agree to differ on this one. Two formats are still a huge improvement on the current chaos, where (formerly) I had been entered as: Mundell, A R G; Mundell, A. R. G.; Mundell, A.R.G.; Mundell, Mr A. R. G.; A.R.G. Mundell; Tony Mundell; and Mundell, T.!

Centroid Map References

On a separate issue unrelated to Martin Harvey's comments on format, I would like to offer some further advice on the use of 6-figure 'centroid map references'. I dislike them intensely! A centroid map reference is where a large area (sometimes extending over several square kilometres) has been surveyed but *all* the recorded plants have been attributed to a single 6-figure map reference near the centre of the survey area (e.g. SU741318 for Noar Hill). It would

certainly be incorrect to enter all the recorded species using this one map reference if it is clear that they were not all seen within the 100m x 100m square specified by 6 figures*. This implies a location precision that is simply not true, and might lead future botanists to search for particular plants at the wrong 6-figure reference. During survey work all species scarce at county level should be recorded with their own separate 6-figure (or ideally 8-figure) reference. Failing that, if I had to enter a set of records on Mapmate for a large survey area that had all been attributed to a 'centroid' 6-figure reference, I would truncate the map reference to a precision commensurate with the area surveyed e.g. to 4-figures (1km x 1km), or a tetrad (2km x 2km). So in the case of the set of Noar Hill records above it would be appropriate to use SU7431, implying a location accuracy of about 1km.

*Note that;

- A 2-figure reference like SU73 means an area of 10km x 10km (in this case stretching from Colemore near its SW corner up to Kingsley at its NE corner).
- A 4-figure reference like SU7331 means an area of 1km x 1km (in this case stretching from Goleigh Farm near its SW corner up to Charity Farm near its NE corner, and including about half of Noar Hill Reserve).
- A 6-figure reference like SU740321 means an area of 100m x 100m (in this case close to the kissing-gate at the NW corner of Noar Hill Reserve).
- An 8-figure reference like SU74043212 means an area of 10m x 10m (in this case including a NE-facing bank just inside a kissing-gate entrance to Noar Hill Reserve).

Strictly the use of an 8-figure reference implies a location precision of 10m but *in practice* because even a GPS cannot be exact (especially in woodland) it could be 30m in error. Similarly *in practice* 6-figure references are only correct to within about 300m as many people often mis-read maps. Use of a 4-figure reference strictly means a location within that 1km square but again *in practice* implies it might be in an adjacent 1km square.

Tony Mundell

Hampshire Rare Plant Register: Site Lists for Species

We have now progressed far enough in the computerisation of records to be able to put together some detailed lists of records for the first 60 or so Hampshire Notables. Many of these records are over 10 years old, and quite a few go back 20 years or more. Some lack detail, and some need checking for one reason or another.

If you would like to help in this process, particularly with field work, we are preparing a set of documents. So far these cover South Hampshire, but expect to see both the list and the coverage grow over the coming months. Each document covers one species / taxon, and organises all the records into distinct sites for ease of reference. Colour coding highlights sites without recent records, unlocalised sites or records needing checking.

An example (in this case for Tower Mustard in North Hampshire) is included in this newsletter, but has been modified somewhat to fit the page by omitting some records, deleting a couple of columns and removing the colour coding. An extra column has been added at the right to indicate the record status (normally shown by colour coding). The example shown indicates where there are earlier localised records that need re-finding again, or even very old records with vague information that ideally need re-finding in order to localise them with an accurate map reference.

If you would like a printed copy of any of these documents, please apply to Martin Rand (or to Tony Mundell, for North Hampshire lists when they become available). Please only ask if you are serious about contributing to fieldwork or other research at this stage – paper copies are expensive to produce. Much of the information will become generally available over the coming years as we validate and check it. If you do decide to 'go after' a species in a given area, let Martin know what sites you will visit – this can save some duplication of effort.

If you have Internet access, a better way to obtain copies will be via the Hants Plants web site, hantsplants.org.uk. During the autumn / winter months electronic copies will become available, and the list will be updated here on a frequent basis.

The lists that are ready are detailed below. To help you decide whether to participate for a particular species, the 'Found in' column indicates roughly which part of South Hampshire the existing records come from.

- **W:** Bournemouth area, Martin area, Avon catchment, New Forest, Waterside and adjoining coasts
- **C:** Test and Itchen catchments and adjoining coasts E of Southampton Water
- **E:** Meon catchment S and E to coast and county boundary

Martin Rand

Scientific name	Common Name	Status in S Hants	Recorded Sites	Extant Sites	Found In
<i>Aceras anthropophorum</i>	Man Orchid	Very Rare or Rare	13	3 to 5	W, C, E
<i>Adonis annua</i>	Pheasant's Eye	Extinct or Very Rare	7	0 to 2	W, C, E
<i>Agrostemma githago</i>	Corn-cockle	Extinct as Wild Plant	16	0	W, C, E
<i>Ajuga chamaepitys</i>	Ground Pine	Probably Extinct	3	0	C, E
<i>Alisma lanceolatum</i>	Narrow-leaved Water-plantain	Probably Rare	13	Uncertain	W
<i>Althaea hirsute</i>	Rough Mallow	Extinct as Wild Plant	7	0	W, C, E
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Probably Extinct	2	0	E
<i>Campanula patula</i>	Spreading Bellflower	Probably Extinct except as casual	6	0 or 1	W, C, E
<i>Carex elongate</i>	Gingerbread Sedge	Very Rare	3	Probably 3	W
<i>Carex humilis</i>	Dwarf Sedge	Very Rare	23 incl VC8	Probably 10 incl VC8	W
<i>Cephalanthera longifolia</i>	Narrow-leaved Helleborine	Probably Rare	17	Probably 8	C, E
<i>Cerastium pumilum</i>	Dwarf Mouse-ear	Extinct	1	0	E
<i>Chenopodium vulvaria</i>	Stinking Goosefoot	Extinct or Casual	6	0	W, C, E
<i>Chrysanthemum segetum</i>	Corn Marigold	Declining	61	34	W, C, E
<i>Cladium mariscus</i>	Saw Sedge	Rare	5	4	W, C, E
<i>Cuscuta europaea</i>	Greater Dodder	Extinct	1	0	C
<i>Cynosurus echinatus</i>	Rough Dog's-tail	Alien of Interest	9	3	W, C, E
<i>Cyperus fuscus</i>	Brown Galingale	Very Rare	4	3	W
<i>Dactylorhiza traunsteineri</i>	Narrow-leaved Marsh Orchid	Very Rare	2	2	W
<i>Daphne mezereum</i>	Mezereon	Extinct	4	0	C
<i>Dianthus armeria</i>	Deptford Pink	Very Rare	9	1	W, C, E
<i>Epipactis palustris</i>	Marsh Helleborine	Rare	16	Probably 6	W, C, E
<i>Equisetum sylvaticum</i>	Wood Horsetail	Scarce	25	22 or 23	W, C
<i>Equisetum x bowmanii</i>	Bowman's Horsetail	Very Rare	3	3	W
<i>Erica ciliaris</i>	Dorset Heath	Rare	4	4	W
<i>Eriophorum gracile</i>	Slender Cottongrass	Very Rare	8	3 or 4	W
<i>Euphorbia platyphyllos</i>	Broad-leaved Spurge	Rare or Scarce	18	Possibly 12	W, C, E
<i>Fallopia dumetorum</i>	Copse Bindweed	Rare	12	4	W, E
<i>Filago lutescens</i>	Narrow-leaved Cudweed	Extinct	3	0	W
<i>Frankenia laevis</i>	Sea Heath	Very Rare	7	3 or 4	C, E
<i>Fritillaria meleagris</i>	Fritillary	Very Rare	5	2	C, E
<i>Fumaria vaillantii</i>	Few-flowered Fumitory	Very Rare	1	1	C
<i>Gentianella anglica</i>	Early Gentian	Very Rare	6	3 or 4	W, C, E
<i>Lithospermum arvense</i>	Corn Gromwell	Rare	23 or more	Possibly 7	W, C, E
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Very Rare or Extinct	8	0 to 3	W, E
<i>Ophrys insectifera</i>	Fly Orchid	Rare	26	12 to 15	W, C, E

Scientific name	Common Name	Status in S Hants	Recorded Sites	Extant Sites	Found In
<i>Ophrys sphegodes</i>	Early Spider Orchid	Extinct	3	0	W, C, E
<i>Atriplex longipes</i>	Long-stalked Orache	Very Rare	1	1	W
<i>Cardamine bulbifera</i>	Coralroot	Very Rare	1	1	C
<i>Cardamine impatiens</i>	Narrow-leaved Bitter-cress	Not Admitted	1 or 2	0	E
<i>Gentiana pneumonanthe</i>	Marsh Gentian	Not Rare	44	37	W, C
<i>Geranium purpureum</i> subsp. <i>purpureum</i>	Little Robin	Very Rare	1	1	E
<i>Gnaphalium luteoalbum</i>	Jersey Cudweed	Very Rare or Extinct / Casual	1	Probably 0	C, E
<i>Herminium monorchis</i>	Musk Orchid	Very Rare	5	2 or 3	C, E
<i>Herniaria glabra</i>	Smooth Rupturewort	Extinct	1	0	E
<i>Hordelymus europaeus</i>	Wood Barley	Very Rare	6	2	C, E
<i>Iberis amara</i>	Wild Candytuft	Extinct	2	0	W, E
<i>Juncus acutus</i>	Sharp Rush	Very Rare	2	1 or 2	E
<i>Leersia oryzoides</i>	Cut-grass	Very Rare	11 or 12	1	W
<i>Lobelia urens</i>	Heath Lobelia	Very Rare	2	1	W
<i>Luronium natans</i>	Floating Water-plantain	Very Rare	1	1	W
<i>Marrubium vulgare</i>	White Horehound	Very Rare	5	Possibly 1	W, C, E
<i>Medicago polymorpha</i>	Toothed Medick	Rare	9 or more	Possibly 7	W, C, E
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	Extinct	4	0	C, E
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	Very Rare	2	1	C, E
<i>Orchis ustulata</i>	Burnt Orchid	Very Rare	5	2	W, C
<i>Persicaria mitis</i>	Tasteless Water-pepper	Rare	9	Possibly 9	W
<i>Petrorhagia nanteuilii</i>	Childing Pink	Very Rare / Under Question	3	0 or 1	E
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	Very Rare	3 native	1	W
<i>Polygonum maritimum</i>	Sea Knotgrass	Rare or Very Rare	4	3 or 4	W, E
<i>Potentilla neumanniana</i>	Spring Cinquefoil	Extinct	1	0	W
<i>Salicornia nitens</i>	Shiny Glasswort	Very Rare	3	Possibly 3	W, E
<i>Salicornia obscura</i>	Glaucous Glasswort	Very Rare or Rare	4	Possibly 4	W, E
<i>Scrophularia scorodonia</i>	Balm-leaved Figwort	Very Rare	1	1	E
<i>Sonchus palustris</i>	Marsh Sow-thistle	Very Rare	3	Possibly 3	W
<i>Spartina maritima</i>	Small Cord-grass	Very Rare or Rare	11 or 12	Possibly 5	W, C, E

VC12 Records for <i>Arabis glabra</i> , Tower Mustard				FoH means Flora of Hants.	
Site	Gridref	Date	Recorder	Comment	Status
Eversley area					
Nr Eversley church	SU779611	1952	Ounsted, J.	(c.779611 in lit.) Abund. in hedgebank nr. Eversley church. Watsonia Vol. II, p.192	No post 1985 record (Searched 2005, ARG M)
Eversley Centre	SU786617	1968	Haig, E	Widened road verge on north side of the A327... Disappeared by following year.	No post 1985 record (Searched 2005, ARG M)
Sleaford Area					
Sleaford, W of	SU796384	1960	Jones, E	c.1960, Coldharbour, Kingsley, on B3004, at mouth of old lane. Overgrown after 1962.	No post 1995 record
Sleaford, W of	SU796384	1985	Brewis, Lady A B M	Appeared along B3004, where verge shaved for widening. ...slightly E of Jones's station. Seeds collected and re-sown nearby, after widening, 1991. A.B.	No post 1995 record (Searched 2005, ARG M)
B3004, Sleaford	SU801383	1988	Wain, Dr C	Rec'r as C. Waine	No post 1995 record (Searched 2005, ARG M)
Kingsley Area					
Lode Farm, Kingsley	SU778376	1975	Brewis, Lady A B M	Still present 1975, at 778376	Recently refound
Kingsley	SU778377	21-Apr-05	Mundell, A R G	Site dreadfully overgrown with elm and brambles but over 60 rosettes counted at SU7783776 mainly beneath the roadside brambles. 4 more at top of bank at SU77893776 just below SE corner of churchyard.	Recent record
Shortheath Area					
Shortheath area	SU73T	1936	Hall, Mr P.M.	[Nominal grid ref. - only locality noted] Between Kingsley and E. Worldham. BM.	Needs localising
Headley Area					
Headley / Arford area	SU83I	1922	Davidson, Miss F	[Nominal grid ref. - only locality noted] Headley	Needs localising
Rotherwick Area					
Rotherwick, S of	SU718561	Oct-68	Burrows, E. A.	Rec'r EAB? As <i>Turritis glabra</i> . Near Ruston's Farm, Rotherwick. Apparently well established [FoH, 1996, p.135]	No post 1985 record
Woolmer Forest					
Woolmer Forest non-SSSI	SU814334	1996	Rose, Dr F.	N. side of Woolmer Forest. 70-100 sterile rosettes, 4 in flower	Recently refound
Woolmer Forest non-SSSI	SU81393346	16-Dec-04	Mundell, A R G	2 dead spikes that clearly had flowered in 2004. Found amongst bracken whilst discussing with army plans to scarify area to revive the <i>A. glabra</i> .	Recent record

RECORDING FLORA

VC11 Records compiled by Martin Rand

I'm a little behind in entering records at the moment, so if you've sent me something significant since the beginning of June and it isn't here, it will be in the winter *News*. On the other hand, I've been able to catch up with reviewing the status of some more 2004 records, which now appear here. As in the last issue, the most significant finds of native and archaeophyte plants are picked out with a ☼, except where all records given are likely to prove casual or deliberate introductions.

Abbreviations: AEB = Alison Bolton, B&JG = Barry and Jane Goater, DRA = Debbie Allan, EJC = Eric Clement, ILR = Ian Ralphs, JAN = John Norton, JoM = Joel Miller, JPD = John Poland, JRWH = Ralph Hollins, MR = Martin Rand, NAS = Neil Sanderson, PAB = Phil Budd, RMV = Roger Veall, RMW = Robin Walls.

Abies alba (European Silver-fir): Bolderwood Grounds, SU239082; 10 Jul 2004; RMV. 1st for **SU20**. One small tree.

Abies grandis (Giant Fir): St Catherines area, SZ1495; 2004; RMW. 1st for **SZ19**. Set Thorns Inclosure, SZ266998; 20 Apr 2004; RMV. 1st for **SZ29**.

Anagallis arvensis subsp. *foemina* (Blue Pimpernel): near balancing pond, Green Close, Fair Oak, SU484182; 5 Aug 2004; PAB conf. EJC. 1st vice-county record since 1970, 1st for **SU41**.

Anemone apennina (Blue Anemone): Brookley Road, Brockenhurst, SU296023; 14 Apr 2004; RMV. Spread from garden into roadside ditch. 1st for **SU20**.

Anemone blanda (Balkan Anemone): Exton village, SU612209; 27 Mar 2004; PAB. 1st for **SU62**.

Anthemis tinctoria (Yellow Chamomile): Trinity Close / Town Ramparts, Gosport, SZ621995; 25 May 2005; JAN & DRA conf. EJC. Ramparts on pre-sown matting area, S-facing embankment. 1st for **SZ69**.

Aster lanceolatus (Narrow-leaved Michaelmas Daisy): Claylands Reserve, Bishops Waltham, SU546200; 21 Sep 2004; PAB conf. EJC. 1st for **SU52**.

Bassia scoparia (Summer-cypress): M27, Cadnam, SU2913, SU2914; 2 Oct 2004; MR. 1st for **SU21**.

☼ *Bromus racemosus* (Smooth Brome): Berry Hill SNCI, SZ105966; 10 May 2005; RMW. 1st for **SZ19** since 1970. Netley Grange Fields, SU456093; 3 Jun 2004; PAB. 1st for **SU40**. Fort Rowner (HMS Sultan), SU593011; 8 Jun 2005; DRA, JAN, EJC & MR det. EJC & MR. c. 25 fruiting stems near moat. 1st for **SU50**.

☼ *Calystegia soldanella* (Sea Bindweed): Lee on Solent W, SU558009; 10 Jun 2005; JAN & DRA. One patch c. 80x40cm, on shingle beach E of Daedalus slipway. New site.

Campanula glomerata (Clustered Bellflower): Gladstone Road, Sholing, SU459120; 2 Nov 2004; PAB; Hb. MR. Presumed escape but not planted. 1st for **SU41**.

Carex distans (Distant Sedge): Mottisfont Abbey, SU330271; 14 May 2005; Hampshire Flora Group det. NAS. In quantity in pasture N of car park. 1st for **SU32** since 1930.

Chionodoxa forbesii (Glory of the Snows): Boscombe Undercliff and area, SZ1291; 4 Apr 2005; RMW. 1st for **SZ19**.

☼ *Cicendia filiformis* (Yellow Centaury): Hinton Admiral, SZ208950; 20 Jul 2004; PAB. On NE edge of field. First in this vicinity since 1930.

Conyza bilbaoana (Bilbao Fleabane): Thorold Road, Chandlers Ford, SU442221; 18 Sep 2004; PAB. 1st for **SU42**.

Corydalis cheilanthifolia (Fern-leaved Corydalis): Bursledon Road, Bitterne, SU455126; 6 Apr 2004; PAB; Hb. MR. 1st for **SU41**.

Doronicum pardalianches (Leopard's-bane): Royal Victoria Country Park Dump, SU463082; 25 Jun 2004; PAB. 1st for **SU40**. Hollybrook Cemetery, Southampton, SU401151; 15 May 2004; PAB. 1st for **SU41**.

☼ *Dryopteris aemula* (Hay-scented Buckler-fern): Great Copse, Mottisfont, SU321287; 14 May 2005; Hampshire Flora Group det. MR. A single small but well-developed crown on E side of N-S ride that runs S to E edge of wood, at SU3210 2872. Another record suggesting that this species tends to occur as an adventive in South Hants. 1st for **SU32**.

Dryopteris x deweveri (*Dryopteris carthusiana* x *dilatata*): Spearywell Wood, Mottisfont, SU311279; 14 May 2005; Hampshire Flora Group det. MR. 1st for **SU32**; 1st vice-county record since 1970 (however I suspect this hybrid is widely overlooked)

☼ *Erodium maritimum* (Sea Stork's-bill): N of Ellingham Drove, Ellingham, SU153082; 7 Jul 2004; NAS. A new site for this species which is rare in Hampshire, although it is known nearby.

Euonymus japonicus (Evergreen Spindle): Alum Chine etc (SZ0790); 6 Apr 2004; RMW & J. Crewe. 1st for **SZ09**.

Euphorbia characias (Mediterranean Spurge): E of Milkham Enclosure, Harbridge & Ibsley, SU217104; 8 Sep 2004; MR & B&JG. Newly made up verges of road. 1st for **SU21**; 2nd for **VC11**

☼ *Euphrasia tetraquetra* (an Eyebright): Cadland shore, SZ466991-SZ468996; 20 Jun 2005; MR & BG. Only the hybrid with *E. nemorosa* (which also appears to occur quite plentifully) has been recorded here before. 1st for **SZ49**

Fallopia sachalinensis (Giant Knotweed): Delme roundabout, Fareham, SU587062; JAN & DRA. 1st for **SU50**.

Festuca brevipila (Hard Fescue): Frater Lane, SU603023; 5 Jun 2005; JAN & DRA det. EJC. Leesland Recreation Ground / Toronto Place, SU607001; 7 May 2005; EJC & DRA det. EJC. 1st records for **SU60**.

☼ *Fritillaria meleagris* (Fritillary): West Meon, SU644239; 6 May 2005; JoM. 10+ plants in a flood meadow along the

public footpath just W of the railway embankment and near the stream. **1st for SU62**. Not considered native here.

Fumaria officinalis subsp. *wirtgenii* (Common Fumitory subsp.): Olivers Battery (SU456271); 7 Jun 2004; MR. In edge of arable field, frequent - abundant over c. 150m. **1st for SU42**.

✿ *Galium parisiense* (Wall Bedstraw): HMS Sultan, Gosport, SU593010; 8 Jun 2005; EJC. 26 plants over 5m length of car park kerbside in verge, alongside Fort Rowner moat. **1st vice-county record**. One of the most interesting records of the year so far; given as native for VC12, here it is likely to be a fairly recent arrival.

✿ *Gentianella anglica* (Early Gentian): Portsdown Technology Park, SU6400068; 8 Jun 2005; MR, DRA, JAN, EJC and members of Qinetiq conservation group det. MR. An exciting record and a new site for this uncommon endemic, which may have only two other surviving populations in VC11. I hope to have an account of the population and the evidence for hybridisation in a future BSBI publication.

✿ *Gentianella* x *davidiana* (*Gentianella amarella* x *anglica*): Portsdown Technology Park, SU6400068; 8 Jun 2005; MR, DRA, JAN, EJC and members of Qinetiq conservation group det MR. **1st vice-county record**

Geranium x *magnificum* (Purple Crane's-bill): Hill Top, Hedge End, SU498118; 25 Jun 2004; PAB. Established in scrubby woodland on north side of track. **1st for SU41**.

Geranium x *oxonianum* (Druce's Crane's-bill): Heritage Way / Frater Lane, Gosport, SU603024; DRA and JAN conf. EJC. **1st for SU60**.

Hedera colchica (Persian Ivy): Solent Business Park, Whiteley, SU535088; 15 Aug 2004; MR. Colonizing from rear of office premises where it is planted. **1st for SU50**. Sailors Lane, Corhampton, SU579210; 25 Feb 2005; JAN & DRA. With large, dentate leaves. **1st for SU52**.

✿ *Hordelymus europaeus* (Wood Barley): Hen Wood, East Meon, SU657223; 6 Jul 2005; MR & JPD. One further tussock close to the site found by John Rowe last year.

Hyacinthus orientalis (Hyacinth): Bushfield Camp Entrance, SU469270; 05 Apr 2004; PAB. **1st for SU42**.

✿ *Hypochaeris glabra* (Smooth Cat's-ear): N of Ellingham Drove, Ellingham, SU153082; 7 Jul 2004; NAS. New site.

Iris germanica (Bearded Iris): Bushfield Camp, Winchester, SU470271; 11 May 2004; PAB.

Iris versicolor (Purple Iris): Fort Rowner moat, HMS Sultan, Gosport, SU591010; 8 Jun 2005; DRA, EJC, JAN & MR det. MR. One small patch at water's edge, introduced. **1st for SU50**.

Juncus tenuis (Slender Rush): Hen Wood, East Meon, SU660221; 6 Jul 2005; MR & JPD. **1st for SU62 since 1932** but still in same site.

✿ *Juniperus communis* (Common Juniper): Honeycomb Hill, S of Broughton, SU313316; 2 May 2005; GDF & MEY. In open woodland under scattered bushes. Mapped for this tetrad in the Flora but not previously localised.

Lamium maculatum (Spotted Dead-nettle): Clockhouse area, SZ1697; 29 May 2005; RMW. **1st for SZ19**.

✿ *Lathyrus japonicus* subsp. *maritimus* (Sea Pea): Hurst Castle Spit, SZ319898; Jun 2005; GDF. 3 plants. A welcome reappearance after 5 years without records.

Lolium x *boucheanum* (*L. perenne* x *L. multiflorum*): Fort Rowner and moat, Gosport, SU593010; 8 Jun 2005; DRA, JAN, EJC & MR det. EJC & MR. **1st for SU50**.

✿ *Lotus glaber* (Narrow-leaved Bird's-foot-trefoil): Claylands Reserve, Bishops Waltham, SU546200; 11 Jul 2004; PAB. **1st for SU52**.

✿ *Luzula* x *borreri* (*L. forsteri* x *L. pilosa*): Whitsbury Common, Whitsbury, SU133178 and Whitsbury, SU133183; 22 May 2005; AEB. **1st for SU11 since 1970**. Masons Copse, Spearywell, Mottisfont, SU313268; May 2005; ILR conf. MR. New site.

Nothofagus obliqua (Roble): Winkton area, SZ1696; 29 May; RMW. **1st for SZ19**.

✿ *Ophioglossum azoricum* (Small Adder's-tongue): Ocknell Pond, SU234118; 21 May 2005; Hampshire Flora Group. 2 plants. A southward extension of a known site.

✿ *Orobanche hederæ* forma *monochroma* (Yellow Ivy Broomrape): W of Hill Road, Portchester, SU612065; Jun 2005; Val Henry det. MR and F J Rumsey. **1st for SU60** and apparently the first in the county not growing on either subsp. *hibernica* or one of the cultivars of Ivy.

✿ *Orobanche rapum-genistæ* (Greater Broomrape / Great Broomrape): Two Beeches Bottom, SU2516; 16 Nov 2004; AEB. 6 spikes.

✿ *Parapholis incurva* (Curved Hard Grass): Lee on Solent, SU558009; 10 Jun 2005; JAN & DRA. New site.

Persicaria amplexicaulis (Red Bistort): Southampton Common Fishing Lake, SU413145; 06 Sep 2004; Jean Velecky. **1st for SU41**.

Phacelia tanacetifolia (Phacelia): Weston Shore, Southampton, lorry park, SU446094; 28 May 2004; PAB. **1st for SU40**.

Phalaris paradoxa (Awned Canary Grass): Blackberry Drive, Fair Oak, SU487184; 21 Jun 2004; PAB conf. EJC; Hb. MR. **1st for SU41**.

Photinia davidiana (Stranvaesia): Chilworth Common North, SU413183; 15 Sep 2004; PAB. **1st for SU41**.

Picea sitchensis (Sitka Spruce): Woodfidley Passage West, SU340050; 10 Jan 2004; PAB. Self sown tree under oaks, about 3 metres tall. **1st for SU40**.

Pilosella flagellaris subsp. *flagellaris* (Shetland Mouse-ear Hawkweed): Hannay Rise, Hightown, Southampton, SU466199; 09 Jun 2004; PAB. 20 plants. Warburton and Lydgate Close junction Thornhill, SU470117; 29 Aug 2004; PAB. 1 plant. **1st for SU41** and only known extant sites in VC11.

✿ *Poa bulbosa* (Bulbous Meadow-grass): Hatchet Pond E end, SU369016; 24 Apr 2005; RMW & BSBI Field Meeting members. On a gravel S-facing made up bank acting as a barrier to the Hatchet Pond car park, in an area of about 4m x 1.5m. **1st for SU30** and the only inland site: possibly introduced with the gravel used to make the barrier.

✿ *Polygonum oxyspermum* subsp. *raii* (Ray's Knotgrass): Hurst Spit, SZ305902; 10 Aug 2004; AEB. New site. Thorns Beach, SZ3996; 24 Aug 2004; AEB. 50 or more plants. Extension of a known site.

Polygonum rurivagum (Cornfield Knotgrass / Knotgrass): Britannia Drive / Orwell Way, Gosport, SU610011; 21 Jul 2004; JAN. 1st for **SU60**. Teglease Farm, SU655183; 4 Sep 2004; MR. Track and field margin S of farm. 1st for **SU61 since 1970**.

Polypogon viridis (Water Bent): Station Road, Romsey, SU353213; 27 Oct 2004; RMV. 1st for **SU32**.

Prunella x intermedia (Hybrid Self-heal, *P. laciniata* x *P. vulgaris*): S of College Road, Crookhorn, SU686069; 25 Jun 2005; MR. Four flowering spikes in pasture to S of College Road. Strongly lobed upper leaves and pinkish flowers. No sign of *P. laciniata* but plenty of *P. vulgaris*. 1st for **SU60**.

Puccinellia distans (Reflexed Saltmarsh-grass): M3 Otterbourne, SU4523, M3 Compton, SU4624, M3 Shawford, SU4625; 29 Jul 2005; MR. 1st for **SU42**. Should readers of this column find themselves completely stationary in the fast lane of our motorways, then no doubt many other gaps in distribution could be filled in.

Pyracantha rogersiana (Asian Firethorn): By car park wall, Magazine Lane jetty area, Marchwood, SU392114; 23 Sep 2004; DRA & EJC det. EJC. 1st for **SU31**.

Reseda alba (White Mignonette): Gilkicker, SZ601983; 19 Jun 2005; JAN & DRA. Two plants, low bank, E side of road to Inshore Rescue Station. 1st for **SZ69**.

Rhus typhina (Sumac): Fort Rowner moat, Gosport, SU591010; 8 Jun 2005; DRA, JAN, EJC & MR. 1st for **SU50**.

✿ *Rhynchospora fusca* (Brown Beak-sedge): Broom Hill, East Boldre, SZ365983; 22 Jun 2004; AEB. New site.

✿ *Rumex crispus* subsp. *littoreus* (Curly Dock, shingle subspesies): Stanswood Bay, SZ468995; 20 Jun 2005; MR & BJG. 1st for **SZ49 in VC11**.

✿ *Ruppia maritima* (Beaked Tassel-weed): Hook Lake, SU488050; 29 Aug 2004; JAN, DRA & EJC. Abundant and fruiting in dyke near footpath. 1st at site since 1930.

✿ *Sagina subulata* (Heath Pearlwort): Gilkicker Point, SZ604976; JAN, DRA & NAS. 1st for **SZ69 since 1970** and appears to be new site.

✿ *Scleranthus annuus* subsp. *annuus* (Annual Knawel): Holcroft Road, Thornhill, SU474125; 22 Jun 2004; PAB. 1st for **SU41 since 1970**.

Scrophularia vernalis (Yellow Figwort): East Tytherley Churchyard, SU291290; 4 May 2005; GDF. Also more abundantly in hedgebank on E side of footpath going S to Lockerley from W of churchyard, SU291289; 11 May 2005; MR. 1st vice-county record since 1970 and 1st at site since 1970.

Sedum rupestre (Reflexed Stonecrop): Claylands Reserve, Bishops Waltham, SU546200; 11 Jul 2004; PAB. 1st for **SU52**.

Sedum spectabile (Butterfly Stonecrop): Claylands Reserve, Bishops Waltham, SU546200; 21 Sep 2004; PAB. 1st for **SU52**.

Senecio vulgaris var. *hibernicus* (Groundsel (Rayed form)): At W end of Mengham Rythe boatyard by public FP, Selsmore, Hayling, SZ734993; 25 Mar 2005; MR. 1st for **SZ79**.

✿ *Silene nutans* (Nottingham Catchfly): Gilkicker Point, SZ607975; 13 Jun 2005; JAN & DRA. All within 20m of SZ60769759, 42+ indistinct plants/patches, betw. Fort Gilkicker & lagoon, NW of large hollow. Often single rosette/fl-stems, many <15cm (2+ rosettes, several fl-stems), 2 of c.30cm diam (several rosettes, many fl-stems), and 1 patch 100x50cm (many rosettes). New site.

Solanum nigrum subsp. *schultesii* (Black Nightshade): French Street, Southampton, SU419110; 20 Jul 2004; PAB conf. EJC; Hb. MR.

Spiraea douglasii (Steeple-bush): Claylands Reserve, Bishops Waltham, SU546200; 11 Jul 2004; PAB. 1st for **SU52**.

Stachys x ambigua (Hybrid Woundwort (*S. palustris* x *S. sylvatica*)): Damp grassy glade, Luke Copse, Kings Somborne, SU383290; 02 Jul 2005; MR. 1st for **SU32**.

Symphytum grandiflorum (Creeping Comfrey): Catherington Lith, Horndean, SU7014; 8 Apr 2004; John Goodspeed. 1st for **SU71**.

Symphytum orientale (Soft Comfrey): Fareham, Western Way, N side, SU5806; 25 Mar 2005; DRA, JAN & EJC. 1st for **SU50**.

Tellima grandiflora (Fringe-cups): Exton Village East, SU614120; 11 May 2004 ; PAB. 1st for **SU61**.

✿ *Torilis nodosa* (Knotted Hedge-parsley): Vectis Road (E), Alverstoke, SZ597991; 12 Jul 2005; JAN & DRA. Dominant in 31m x up to 1m wide verge area, N side of Vectis Rd, adj. to junction with Jellicoe Ave. Jellicoe Avenue, Alverstoke, SZ597992; 12 Jul 2005; JAN & DRA. Frequent in 21x3m grassy area, W side of rd. by no's 46-8. 1st for **SZ59**.

Tristagma uniflorum (Spring Starflower): Coates Road, Sholing, SU467116; 17 Mar 2004; PAB. Naturalised at base of lamp standard. 1st for **SU41**. South Hayling, SZ708990; 25 Mar 2005; MR from an observation in 2004 by Mrs N Nicholson. Patch of a few square metres immediately S of Staunton Ave / Ferry Road junction. 1st for **SZ79**.

Valerianella carinata (Keeled-fruited Cornsalad): Tesco's, Paulsgrove, SU638055; 29 May 2004; PAB. 1st for **SU60**.

✿ *Vicia lathyroides* (Spring Vetch): W of Stoke Common on Hayling Island, SU716032; 13 Jun 2005; JRWH. On the earth bank along landward side of saline lagoon at Hayling Oysterbeds LNR. 1st for **SU70 since 1970**.

VC12 records compiled by Tony Mundell

Here is another set of my personal selections from the records received recently. As noted in previous issues, map references should be treated as approximate, and again I have omitted the 'SU' to save space. Some are

on private land so please consult me over access permission rather than alienate landowners. Occasionally I have downgraded the recorded map reference to 4 figures, sometimes to protect sensitive sites.

Again my thanks to those who have contributed records, please keep them coming in. You may think there are too many of my own records this time – I would rather put *yours* in but of course you need to send them to me! Updated records of rare native species are especially desirable for the planned Hampshire Rare Plant Register.

Sue Clark organises the warden rota at Noar Hill, and in 2005 she enlisted some volunteers to map and count some of Noar Hill's special plants. I was amazed that using a set of brightly coloured toothpicks to mark individual plants, a group of four of us were able to count 162 Frog Orchid spikes on a single chalky bank about 18m long and 3m wide. Frog Orchids are so inconspicuous that most people would have done well to notice a dozen of them there.

First a correction to a record in the Autumn 2004 Flora News. There I entered a record for Garden Coralroot where Francis Rose showed it to me "near footbridge over River Rother, Liss 77952820" but due to a 'slip of the mouse' that map reference should have been 77952860. By a remarkable coincidence it happens that there is another footbridge exactly 400m downstream at my erroneous map reference, and that was where Ernie Sears searched for the reported plant on 16 April 2005. In an even more bizarre coincidence he actually found some Garden Coralroot there - one spike on top edge of stream bank c.10m downstream from the bridge!

Continuing my tale about *Ornithogalum pyrenaicum* and *O. narbonense* from the previous two issues of Flora News, I can add that I searched both the former sites on 30 May 2005 but failed to find either.

Achillea ptarmica (Sneezewort) Patch about 6m x 2m in wet meadow N of Great Pen Wood, beside A343 just S of A34 at 44816277, Bill Helyar and Tony Mundell 4 Aug 2005.

Acorus calamus (Sweet Flag) Dominant over much of SW side of village pond at Well, Long Sutton 76214660, Ian Ralphs 12 May 2005.

Adonis annua (Pheasant's Eye) One plant in post-harvest stubble, Southside Farm 439435, Phil Wilson 2004; none re-found there Bill Helyar and Tony Mundell 8 Jul 2005. At the Fob Down site at Alresford 57393305 (where there were 30 plants in 2004 and where it has been recorded since 1943) Bill Helyar found no plants on 5 Jul 2005 and reported that the site now looks unsuitable.

Agimonia procera (Fragrant Agrimony) Huge colony of 300+ plants adjacent to E side of railway at Micheldever

from 51914321 to 51904315 (with *A. eupatoria* in adjacent meadow) Tony Mundell 22 Jul 2005.

Agrostis curtisii (Bristle Bent) 500+ clumps near Eversley Gravel Pits 79815929 to 79725924, Chris Hall and Tony Mundell 11 Jun 2005 (although this grass is abundant in the New Forest, it is uncommon in VC12).

Ajuga chamaepitys (Ground Pine) Only 4 plants in N headland of arable field near Freefolk Wood 504438, John Moon 8 Jun 2005, John added "headland very overgrown, no evidence of cultivation, despite supposedly in arable stewardship". Gareth Knass added "c.15 plants following soil disturbance to install rabbit fence on field edge N of A303 near Freefolk Wood, Micheldever 504438, 6 Jul 2005, field margins now broad but mostly grassland and not broken ground, so the *Ajuga* will probably disappear in a couple of years unless the ground is re-disturbed". By 2 Aug 2005 John Moon and Geoff Toone could only find 1 very mature plant and 1 young plant, with the area still overgrown.

Allium oleraceum (Field Garlic) Failed to re-find it at former site between arable field and railway at Micheldever Station 517433, although habitat currently suitable, Tony Mundell 22 Jul 2005.

Allium roseum (Rosy Garlic) 60 spikes, well-established on roadside hedgerow bank opposite house at Ashford Chace 73992644, Tony Mundell 10 Jun 2005.

Allium subhirsutum (Hairy Garlic) 12-15 plants (not yet in flower) although some small and difficult to see amongst other herbage, Wishanger 83783859, Ernie Sears 16 Apr 2005.

Alopecurus aequalis (Orange Foxtail) Growing in area where aquatic plants are kept at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Althaea hirsuta (Hairy Mallow) c.7 plants near Overton (site details withheld at request of farmer), Gareth Knass 9 Jul 2005. 250 plants at site near Overton, more widespread than previous years, John Moon and Geoff Toone 2 Aug 2005.

Anacamptis pyramidalis (Pyramidal Orchid) Many scattered locations at Noar Hill, but 105 spikes in one small area at 74433188, Sue Clark, Tony Mundell *et al* 16 Jul 2005.

Anagallis tenella (Bog Pimpernel) Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Anthriscus caucalis (Bur Chervil) 200+ mostly still in bud on sandy roadside bank, mainly near top, Kingsley 77983777, plus 4 100m away near road junction 77893776 and 6 on steepest part of bank at 77883777, Tony Mundell 21 Apr 2005. 20+ in fruit on N side of B3004, E of Kingsley 798384, Tony Mundell 15 Jun 2005.

Apium inundatum (Lesser Marshwort) In pond at Burnt Common 62266415 (Admin Hampshire but VC22) Bill Helyar and Tony Mundell 5 Jun 2005.

Arabis glabra (Tower Mustard) 60+ rosettes at bottom of steep slope at road junction, mainly beneath brambles, Kingsley 77873776, plus 4 at top of bank at 77893776, Tony Mundell 21 Apr 2005. Searched unsuccessfully around former sites in Sleaford area at 796384 and 801384, Tony Mundell 15 Jun 2005. Searched unsuccessfully around former sites near Eversley at 786617 and 779611, Peter

Scott 11 May 2005, also Tony Mundell 29 May 2005. No plants following MOD's conservation work at the Linchborough site 81403345 (where it flowered in 2004) Tony Mundell 10 Jun 2005, but site had been sprayed to control Ragwort!

Arabis hirsuta (Hairy Rock Cress) 200+ plants in an area of 10m x 6m, mostly on unstable rim of pit top at Noar Hill 73903195, Sue Clark, Tony Mundell *et al* 30 May 2005. Several in newly cleared glade in northern part of Micheldever Spoils Reserve 52004504, Michael Edwards and Tony Mundell 8 Jun 2005.

Astragalus glycyphyllos (Wild Liquorice) Failed to re-find it at former site on earthworks at Monk Wood, Alton 742394, Tony Mundell 23 Jul 2005. Failed to re-find it at former site on disused railway at Worthy Down, South Wonston 478354, site now too overgrown, Tony Mundell 22 Jul 2005. Tony Mundell also failed to re-find it on 21 Jul 2005 at former site on bank near entrance to Lythe Hanger 722249 or at possible nearby site (recorded in HBIC records as "Milk vetch") in Rothercombe Farm Lane 721244. Perhaps now extinct in VC12?

Borago officinalis (Borage) 20 beside farm buildings at start of footpath in Shelley's Lane, East Worldham 74763821, Tony Mundell 23 Jul 2005.

Butomus umbellatus (Flowering Rush) One in ditch amongst much *Scirpus sylvaticus*, S of Bucks Horn Oak 80364043, Tony Mundell 10 Jul 2005, land owner says the ditch was cleared out 18mths ago and nothing was planted (so presumably from buried seed).

Campanula glomerata (Clustered Bellflower) Several scattered locations at Noar Hill, but over 150 spikes at 74243187, Sue Clark, Tony Mundell *et al* 16 Jul 2005.

Cardamine amara (Large Bittercress) Ashford Hill NNR 56496193, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Cardamine bulbifera var. *ptarmicifolia* (Garden Coralroot) Still at the original site where found by Francis Rose in 2004 near the Rotherbank footbridge at Liss 77952860, but now 6 spikes hidden behind two recently installed LNR signs 15m W of the bridge, Tony Mundell 21 Apr 2005.

Cardamine corymbosa (New Zealand Bittercress) A weed on flower pots at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Carduus crispus (Wetted Thistle) Several scattered locations at Noar Hill especially where soil has been disturbed, but hundreds of plants in dense colony from 73973204 to 74003207, Sue Clark, Tony Mundell *et al* 16 Jul 2005.

Carex curta (White Sedge) Few tufts in marsh beneath power lines at The Slab, Bordon 78143490, Chris Hall and Tony Mundell 3 Aug 2005. Scattered in many places towards southern end of Shortheath Bog 77273648, 77223657 etc. (but only southern end of bog visited), Chris Hall and Tony Mundell 3 Aug 2005.

Carex disticha (Brown Sedge) Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Carex echinata (Star Sedge) Several locations at Ashford Hill NNR e.g. 56436202 and 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Carex pallescens (Pale Sedge) Ashford Hill NNR 56436203, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Carex pulicaris (Flea Sedge) Ashford Hill NNR 56436203, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Carex rostrata (Bottle Sedge) A 15m x 1m patch filling a ditch, plus other scattered patches nearby, all beneath power lines at The Slab, Bordon 78173493, Chris Hall and Tony Mundell 3 Aug 2005. Large patch over 5m across towards southern end of Shortheath Bog 77273650, Chris Hall and Tony Mundell 3 Aug 2005.

Carex strigosa (Thin-spiked Wood-sedge) In boggy stream on VC12 side of road, Inwood Copse, N of Ashford Hill 55696310, Peter Brough, Bill Helyar and Tony Mundell 5 Apr 2005. 20+ scattered along muddy track Limekiln Copse, Langrish 70112403, Tony Mundell 10 Jun 2005. Hundreds at Monk Wood, Alton 74233928, Tony Mundell 23 Jul 2005.

Centaurea scabiosa (Greater Knapweed) 3 plants with white flowers at Noar Hill 73893193, Tony Gutteridge *et al* 16 Jul 2005.

Cephalanthera damsonium (White Helleborine) 60+ spikes surviving in conifer plantation, Ridge Farm, Steep 731256, Catherine Chatters 13 Jun 2005. Also 17 spikes in 5m x 5m area on NE-facing bank at Noar Hill 74043212, plus a robust pair of spikes, one with 16 florets and the other with 12 at Noar Hill 74373180, Sue Clark, Tony Mundell *et al* 30 May 2005. Also one spike at 74223201 behind the Noar Hill notice board near the gate, Sue Clark 30 May 2005. 8 plants near path junction at 741268, Ashford Hangers NNR, Tony Mundell 10 Jun 2005. Along path under beech, Ledgefield Plantation, N of Alton 72024335, Joel Miller 7 Jun 2005. Remarkable concentration of 290 plants (flowers over) in small area at Micheldever 51794372, beneath young planted beech and sycamore beside A303 slip road at its junction with road to Sutton Scotney, Tony Mundell 22 Jul 2005.

Cephalanthera longifolia (Narrow-leaved Helleborine) 7 small weak plants (only 2 in flower) on steep slope beside a path at Shoulder of Mutton Hill 74332702 plus one more at 74312706, Tony Mundell 10 Jun 2005.

Cerastium pumilum (Dwarf Mouse-ear) 5+ plants, growing near to *Cerastium semidecandrum*, *Teucrium botrys* and *Catapodium rigidum*, on partly-bare ground in car park for Micheldever Spoils Reserve 52064451, Michael Edwards and Tony Mundell 8 Jun 2005.

Ceterach officinarum (Rustyback Fern) A remarkable 100+ counted on wall in St Mary Bourne 42245038, Bill Helyar and Tony Mundell 29 Apr 2005.

Chamaemelum nobile (Chamomile) Still abundant on cricket pitch at Pyestock playing field 836540, but none found (at former site) under pines, Joel Miller 14 Jun 2004. Still locally abundant in football pitch at Sherfield Village Green 67905808, Joel Miller 20 Jun 2005.

Chrysosplenium alternifolium (Alternate-leaved Golden Saxifrage) Several small discrete colonies on E bank of River Rother at Adhurst St. Mary, with 2 flower spikes at 761248, 21 at 761249, 3 at 761250 and 29 at 760252, (C.

oppositifolium is abundant along this river bank) Tony Mundell 11 Apr 2005. 15 flower spikes (amongst abundant *C. oppositifolium*) at Linchborough, E of Hollywater Pond, at 81303364 on SE bank of stream within 5m W of bridge, plus 3 at 81313354, 2 at 81283352, 3 at 81253351 and 4 at 81203345, shown to Tony Mundell by Bill Wain 30 Mar 2005. 5 flower spikes at 81783331 beside River Hollywater just E of bridleway to W of Conford Moor, also shown to Tony Mundell by Bill Wain on 30 Mar 2005. c.500 spikes at Stodham Park 76932600, 10 at 76902593, two groups of 100+ each at 76832590 and 80 at 76882594, all on N side of River, Tony Mundell 30 Mar 2005.

Circebita macrophylla (Common Blue Sow-thistle) 20 in Fyfield Lane 30254716, plus one on road verge at Upton 35745515, and 4 at Ibthorpe Farm, Ibthorpe 377540, all Peter Billinghamurst 13 Jul 2005 (photos confirmed Tony Mundell).

Cirsium eriophorum, Woolly Thistle, 6 plants at E end of Stockbridge Down 385345, John Moon 18 Jun 2005.

Cirsium dissectum (Meadow Thistle). Very large (almost uncountable) colony in very wet area at Ridgemoor Farm 46806005, Peter Billinghamurst 13 Jun 2005. Patches at Ashford Hill NNR 56406205 and 56436200, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Clinopodium acinos (Basil Thyme) One small clump next to the horse gallop, Stockbridge Down 38103465, Peter Billinghamurst 30 Jul 2005.

Cochlearia danica (Danish Scurvygrass) At foot of wall on N side of A31 at Ropley Dean 628319 (new 10km square for the 'Atlas') Alida Butcher 13 Apr 2005.

Coeloglossum viride (Frog Orchid) A total of over 300 flower spikes counted at various locations at Noar Hill, 162 of them on one particular pit bank in 7432, Sue Clark, Tony Mundell *et al* 16 Jul 2005. 3 spikes at Ladle Hill 48075697, HFG meeting with Peter Billinghamurst *et al* 24 Jul 2005.

Convallaria majalis (Lily of the Valley) Lots of plants but none in flower just outside the Headley Gravel Pit Reserve 508626, Sarah Ball 15 May 2005.

Cuscuta epithymum (Dodder) Large patch 6m x 4m at Whitehill 79433387 plus small patch at 79443387, Tony Mundell 10 Jun 2005. 20+ patches on mown heather beneath power lines at The Slab, Bordon between 77933470, 77943470 and 77963473, with outlying patches at 77993476 and 77983475, Chris Hall and Tony Mundell 3 Aug 2005.

Dactylorhiza incarnata ssp. *pulchella* (Early Marsh Orchid) 36 spikes plus 3 vegetative, in bog beside boundary fence of Castle Bottom HCC Reserve, shown to Tony Mundell by Chris Hall 11 Jun 2005. We agreed that they all differed in several respects from other NE Hants colonies of this taxon. However, photos were sent to David Lang and Martin Jenkinson who independently determined them as Early Marsh Orchid, commenting that such variation between populations is normal.

Dactylorhiza maculata (Heath Spotted Orchid) c.400 spikes (with no *D. fuchsii* within 150m) in very wet area at

Ridgemoor Farm 46806005, Peter Billinghamurst 13 Jun 2005 (photos conf. Tony Mundell).

Dactylorhiza praetermissa (Southern Marsh Orchid) Scattered plants at Millenium Meadow, Whitchurch; 6 at 46214726, 3 at 46194726, 2 at 46134726 and 2 at 46264731, Bill Helyar and Tony Mundell 8 Jul 2005.

Dactylorhiza praetermissa x fuchsii One at Ashford Hill NNR 56496184, with one pure *D. praetermissa*, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Dipsacus pilosus (Small Teasel) Large quantity still present as a weed in a flower-bed at Dorton, Huckers Lane, Selborne, Catherine Chatters 20 May 2005.

Epilobium palustre (Marsh Willowherb) Shown to Tony Mundell by Chris Hall in marsh beneath power lines at The Slab, Bordon 78173493, 3 Aug 2005. Along western margin of Shortheath Bog at 77193659, Chris Hall and Tony Mundell 3 Aug 2005.

Epipactis phyllanthes (Green-flowered Helleborine) Few at bend in track, Linchborough Wood near Passfield 81373361, Bill Wain 2003. None found at all at former sites in Tadley area or Mortimer West End area at 580627, 616640, 622641, or 642650 (with similar absence in nearby former Berkshire sites) Bill Helyar Jul 2005. 29 spikes (some eaten off) adjacent to Great Pen Wood, on eastern grassy verge of A343 at 44236220 to 44246222, Bill Helyar and Tony Mundell 4 Aug 2005.

Epipactis purpurata (Violet Helleborine) 4 spikes still in bud, close to large beech that touches boundary fence of Noar Hill 74523186, Sue Clark, Tony Mundell *et al* 16 Jul 2005. Also beside Bushywarren Lane between Herriard and Ellisfield 645461, Peter Rollinson 6 Jul 2004.

Euphorbia thymifolia A weed in several of the pots with large trees in, one plant in gravel, at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Filago vulgaris (Common Cudweed) 70+ both sides of sandy bridleway near Eversley Gravel Pits 79115943 to 79095944 (with *F. minima*), Chris Hall and Tony Mundell 11 Jun 2005. Another 70+ beside Castle Bottom Reserve entrance gate at 79715947, Tony Mundell 12 Jun 2005. 200+ spread along at least 70m of NE side of B3004, Sleaford 801383, Tony Mundell 15 Jun 2005.

Fumaria muralis (Common Ramping Fumitory) Single plant growing up roadside fence beside A327 just N of Eversley church, Peter Scott 11 May 2005, det. Tony Mundell at 77976107, 29 May 2005.

Galeopsis angustifolia (Red Hemp-nettle) Many hundreds of tiny seedlings at Micheldever Spoils Reserve 51994447, Michael Edwards and Tony Mundell 8 Jun 2005. More detailed and localised counts by Michael Edwards on 26 Jul 2005 gave a total of 1,114 plants for the whole reserve. 1 plant on rough edge of track, 200m along track leading west from New Barn Cottages, Laverstoke CP, 489466, John Moon and Geoff Toone 2 Aug 2005 (where formerly known to Mike Wildish).

Galium parisiense (Wall Bedstraw) Localised patch 1.5 – 2m NNE of telegraph pole at Micheldever Spoils Reserve 51984447 (not yet flowering), Michael Edwards and Tony Mundell 8 Jun 2005.

Genista tinctoria (Dryer's Greenweed) Locally abundant on ant-hills at Ashford Hill NNR 561621, Bob Winfield *et al* 5 Jun 2005.

Gentianella anglica (Early Gentian) 12 in flower in an area of 5m x 2m on very steep W-facing bank, Noar Hill 74193196, Sue Clark, Tony Mundell *et al* 30 May 2005.

Geranium columbinum (Long-stalked Crane's-bill) Single plant in newly cleared glade in northern part of Micheldever Spoils Reserve 52004495, Michael Edwards and Tony Mundell 8 Jun 2005.

Geranium rotundifolium (Round-leaved Crane's-bill) 5 plants beside pavement of roadside verge, Church Crookham 813519, Tony Mundell 24 Mar 2005 (but the subsequent large flowering plants destroyed in Jul 2005!).

Groenlandia densa (Opposite leaved Pondweed) Locally abundant in Lutcombe Pond, Ashford Hill 73572643, Joel Miller 21 Jun 2005.

Gymnadenia conopsea (Fragrant Orchid – white form) 300 spikes of the white form in one area about 150m x 80m amongst about 2000 of the normal pink form, Pilot Hill 39895939, Peter Billinghamurst 14 Jun 2005, after a tip-off from Mervyn Grist.

Helleborus foetidus (Stinking Hellebore) One plant E of St Mary Bourne, N of Hogdigging Copse 442509, possibly an introduction through garden waste, although close geographically to historic records, Jonathan Forsyth 19 Mar 2005.

Hottonia palustris (Water Violet) Patches at Ashford Hill NNR 56436202 and 56446203, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Hypericum elodes (Marsh St. John's-wort) In pond at Burnt Common 62266415 (Admin Hampshire but VC22) Bill Helyar and Tony Mundell 5 Jun 2005.

Inula helenium (Elecampane) 11 plants in field beside track with garden on other side, St Mary Bourne 41515069, Peter Billinghamurst 27 Jul 2005.

Isolepis setacea (Bristle Club-rush) Along rides at Odiham Common 755532, Joel Miller 11 Aug 2004.

Jasione montana (Sheepsbit) Locally frequent in one area of Redan Cemetery, Aldershot 87475073, Joel Miller 21 Jul 2005.

Juniperus communis (Juniper) Several groups in area of chalk downland S of Wheatham Hill; 3 at 74402697, 2 at 74392699, 4 at 74412699 and 5 at 74422699, Tony Mundell 10 Jun 2005.

Lathraea clandestina (Purple Toothwort) 1m x 0.5m patch on W side of stream bank, just upstream from Rotherbank Farm footbridge, Liss 77972866, and a smaller patch immediately downstream of same footbridge 77972864, Ernie Sears 16 Apr 2005 (former site also seen by Francis Rose and Ken Sandell 20 Apr 2005). 2 large clumps on bank of River Rother at Adhurst St. Mary 761252, host uncertain, possibly Rowan or Alder, as no Salix or Poplar nearby, Tony Mundell 11 Apr 2005. Still present in considerable quantity on the roots of a Walnut tree behind St. Mary's Church, Kingsclere 524586, Ralph Cook 14 Apr 2005. Large clump on bank

of River Rother at Liss c.15m upstream of where a large metal pipe crosses river, Mrs Alison Dunnell 8 Mar 2005, confirmed at 777279 close to a pollarded *Salix fragilis*, Tony Mundell 11 Apr 2005. Earlier whilst searching for Mrs Dunnell's site on 1 Apr, Francis Rose and Tony Mundell found two badly trampled small clumps at 77872808, probable host *Salix fragilis* but 10m away.

Lathraea squamaria (Toothwort) 5 spikes on hazel at top of south roadside bank, Selborne 740327, Ernie Sears 4 Apr 1998. Parasitic on a remarkable range of hosts at Fox Plantation, Tangley; on Sycamore at 33535206, on Hornbeam at 33595198, on Ash at 33495196, on Hazel at 33565215 and on Lime at 33595230, Bill Helyar and Tony Mundell 29 Apr 2005. A few on Hazel at Caveley Copse, Ecchinswell 48435940, Bill Helyar and Tony Mundell 29 Apr 2005.

Lathyrus sylvestris (Narrow-leaved Everlasting Pea) 6+ plants along rides at Lythe Hanger 72452508, 71982507, 71952484, and another 6+ in Great Hanger 71522457, 71772485, 71862486, Joel Miller 12 Jul 2005.

Lathyrus tuberosus (Tuberous Pea) Failed to re-find it at former site at Wallers Ash Tunnel 494365, Tony Mundell 22 Jul 2005.

Lithospermum arvense (Corn Gromwell) Scattered along ploughed headland beside the Portway Roman Road near Grately Station, 253410 to 255411, Bill Helyar 16 Jul 2005. 1 plant at E end of Stockbridge Down 385345, John Moon 18 Jun 2005.

Lycopodiella inundatum (Marsh Clubmoss) Hawley Common 83925816, patch 2m x 2m, 65 cone-bearing plus c.40 other plants, Ian Ralphs 25 Sep 2002; still extant despite recent heathfire, Chris Hall 16 Jun 2005. Two tiny patches just surviving at The Slab, Bordon 78133499, Tony Mundell 23 Jul 2005, a more detailed count of the same site by Chris Hall on 3 Aug showed 50 plants with 7 fruiting spikes.

Monotropa hypopitys (Yellow Bird's Nest) 64 spikes on a very steep slope at Noar Hill 7431 plus another 9 scattered nearby, all beneath beeches, Sue Clark, Tony Mundell *et al* 16 Jul 2005. Most spikes had very few (typically 2 to 4, but often only 1) very small florets with petals less than 10mm and a glabrous ovary (but pubescent on stamens, style and inside of petals) with the style shorter than the ovary. This indicates ssp. *hypophegea*. Also under birch close to disused running circuit near Hawley Lake, David Dell Jul 2005, confirmed in two groups of 41 and 37 spikes at 84135715, Chris Hall 21 Jul 2005.

Myosotis secunda (Creeping Forget-me-not) Few plants in marsh beneath power lines at The Slab, Bordon 78163491, Chris Hall and Tony Mundell 3 Aug 2005. 3 patches, each 1-2m across in *Salix* carr along western margin of Shorth Heath Bog at 771365, Chris Hall and Tony Mundell 3 Aug 2005.

Narcissus pseudonarcissus ssp. *pseudonarcissus* (Wild Daffodil) Plentiful in Little Wood Copse, West Worldham 738367, Tony Mundell 30 Mar 2005.

Narthecium ossifragum (Bog Asphodel) In bog beneath power lines at The Slab, Bordon 78093484, Chris Hall and Tony Mundell 3 Aug 2005.

Neottia nidus-avis (Bird's nest Orchid) 3 spikes in northern part of Micheldever Spoils Reserve 52004494, and one in main Reserve 52064433, Michael Edwards and Tony Mundell 8 Jun 2005. 6 spikes at Zebon Copse, Church Crookham 80185185, 79825185, Joel Miller 6 Jun 2005.

Oenanthe fistulosa (Tubular Water Dropwort) Ashford Hill NNR 56446203, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Ophioglossum vulgatum (Adder's Tongue Fern) A remarkable 100+ fronds beneath dense young *Prunus spinosa* scrub in an area of 2m x2m, Noar Hill 74193191, plus 23 at 74343188, 25 at 73953200, 30 at 74413189 and a few nearby at 74393189, all Sue Clark, Tony Mundell *et al* 30 May 2005.

Ophrys insectifera (Fly Orchid) 4 spikes at Noar Hill 74393189, plus one at 74343189, Sue Clark, Tony Mundell *et al* 30 May 2005, plus two at 74273183 including one yellow 'leucistic' form re-found on same day by Pamela Lee. Sarah Shepley knew of another yellow individual at a slightly different location at 74273184 that she last saw in 2000. I was later informed by David Lang that John Tucker (from Wiltshire) had re-found two yellow forms on 1 Jun 2005 within a few yards of each other at the Noar Hill site. In several parts of Micheldever Spoils Reserve e.g. 40 spikes in small glade at 51964433, Michael Edwards and Tony Mundell 8 Jun 2005. 2 spikes in disused quarry, Limekiln Copse, Langrish 70212405, Tony Mundell 10 Jun 2005.

Orchis morio (Green-winged Orchid) In huge numbers and many colour shades at Headley Gravel Pit Reserve 513625, Sarah Ball 15 May 2005.

Orchis ustulata (Burnt-tip Orchid) c.12 seen on the S-facing earthworks at Ladle Hill, but flowers gone over, HFG meeting with Peter Billinghamurst *et al* 24 Jul 2005.

Orobancha elatior (Knapweed Broomrape) Several scattered locations at Noar Hill, with 22 spikes at 73933190, flowers over, Sue Clark, Tony Mundell *et al* 16 Jul 2005.

Orobancha hederæ (Ivy Broomrape) 15 spikes pushing up through tarmac of an alleyway in Church Crookham 81055205, plus 9 spikes a few inches away in my neighbour's garden on the variegated *Hedera algeriensis* 'Gloire de Marengo', Tony Mundell 17 Jul 2005. This has spread naturally 30m from where I still grow it in my garden after introducing seed from the Isle of Wight in Aug 1976.

Orobancha hederæ forma *monochroa* (Ivy Broomrape – Yellow form) 100+ spikes around the ash tree at the start of Colden Lane, Old Alresford 594342, Bill Helyar 5 Jul 2005.

Orobancha purpurea (Yarrow Broomrape) Still just hanging on with 3 spikes in lawn behind a private house, The Croft, Stoke 41155106, Bill Helyar, Paul Sterry and Tony Mundell 8 Jul 2005. Formerly also in the adjacent horse paddock 41175100 where last seen in 2000 by the owner Mrs Jean Hirst.

Papaver argemone (Prickly Poppy) Few along bridgeway near Ladle Hill 482568, Gareth Knass 9 Jul 2005.

Papaver dubium (Long-headed Poppy) One on field margin near Ladle Hill 486569, Gareth Knass 9 Jul 2005. Few on field edges at South Wonston 49463652, 47873549, Tony Mundell 22 Jul 2005.

Papaver hybridum (Rough Poppy) one very small patch with many seedheads along bridgeway near Ladle Hill 477566, Gareth Knass 9 Jul 2005.

Paris quadrifolia (Herb Paris) Still present on both sides of the road at Sydmonton Estate 486594, Sarah Ball 15 May 2005. Good quantity literally in the bottom of Lutcombe Bottom, N of Petersfield 733266, Ernie Sears c.2000. 80+ spikes along stream at Lutcombe Bottom, Ashford Hill 73522641, Joel Miller 21 Jun 2005. 120+ spikes at Lythe Hanger 72252515, Joel Miller 12 Jul 2005. 70+ spikes at Stiers Copse, Floud Wood, Froxfield Green 71202508, Joel Miller 11 Apr 2005. 225+ spikes at Burley Wood, E of Overton 53194854, 53234844, Joel Miller 22 Apr 2005. Amazing display of 5 main colonies totaling well over a thousand spikes and dominant in a total of 80 square metres, close to both sides of road, Fox Plantation, Tangley centered on 33565221, Bill Helyar and Tony Mundell 29 Apr 2005. Several patches in Limekiln Copse, Langrish; 21 at 70112401, 53 at 70042412, 7 at 70032422, 45 at 70082421 and 240 at 70082408, Tony Mundell 10 Jun 2005.

Pedicularis palustris (Marsh Lousewort) 30+ flower spikes at Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Petroselinum segetum (Corn Parsley) Still present in field edge boundary of Noar Hill Reserve at 746318, Bill Helyar 21 May 2005. 3 in private garden, Old Salisbury Road, Abbotts Ann 336435, 1 by bus shelter, Red Rice Road 329430, 2 in private garden, Duck Street 329437, 2 on verge, East Portway, Andover 343462 and 100 at foot of perimeter fence around running track, Charlton Sports Centre, Andover 343468, all John Moon 2005.

Phalaris paradoxa (Awned Canary Grass) 3 plants on edge of wheat field 100m –200m along track leading west from New Barn Cottages, Laverstoke CP, 489466 to 490466, John Moon and Geoff Toone 2 Aug 2005.

Phyteuma orbiculare (Round-headed Rampion) A few plants near base of chalk hill at The Warren, NW of Hannington 515566, Joel Miller 18 Aug 2004. Still present at Noar Hill with two spikes at 73963189, Pamela Lee 17 Jul 2005, where first found in 2004.

Picris hieracioides (Hawkweed Oxtongue) Field edges at Wallers Ash, South Wonston, 14 at 49203645, Tony Mundell 22 Jul 2005.

Platanthera bifolia (Lesser Butterfly Orchid) 2 in flower at Micheldever Spoils Reserve 51954432, Michael Edwards and Tony Mundell 8 Jun 2005.

Platanthera chlorantha (Greater Butterfly Orchid) One in bud at Noar Hill 74443180, Sue Clark, Tony Mundell *et al* 30 May 2005, where first found in 2001 by Pamela Lee. 8 plants in leaf (where identified in flower last year) at Fox Plantation, Tangley Wood 33545206, Bill Helyar and Tony Mundell 29 Apr 2005. 27 spikes extending from 74432701 to 74462701

in area of chalk downland S of Wheatham Hill, Tony Mundell 10 Jun 2005.

Poa annua forma *purpurea* A weed on gravel paths at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Poa compressa (Flattened Meadow Grass) Single plant in newly cleared glade in northern part of Micheldever Spoils Reserve 52004495, Michael Edwards and Tony Mundell 8 Jun 2005. Few on bank of disused railway near Larkwhistle Farm 44834477, Bill Helyar, Paul Sterry and Tony Mundell 8 Jul 2005.

Polygonum bistorta (Bistort) Several scattered plants at Ashford Hill NNR 56446169, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005. Searched unsuccessfully for the colony that I knew formerly on the green at Passfield Common 821338, Tony Mundell 10 Jun 2005.

Polygonum rurivagum (Cornfield Knotgrass) Southside Farm 4343, in post-harvest stubble, Phil Wilson 2004. Several plants on edge of set-aside field, S of East Woodhay 40165989, Bill Helyar and Tony Mundell 4 Aug 2005.

Polypogon viridis (Water Bent) Single plant in crack in path at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Portulaca oleracea (Purslane) A weed in one pot and two plants in crack in path at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Potentilla argentea (Hoary Cinquefoil) 30+ spread along at least 70m of NE side of B3004, Sleaford 801383, Tony Mundell 15 Jun 2005.

Potentilla neumanniana (Spring Cinquefoil) Hundreds of plants (flowers all over) scattered in various parts of Micheldever Spoils Reserve 5144, Michael Edwards and Tony Mundell 8 Jun 2005.

Potentilla palustris (Marsh Cinquefoil) Scattered in several places towards southern end of Shorth Heath Bog 77223659, 77193659 etc (but only southern end of bog visited), Chris Hall and Tony Mundell 3 Aug 2005.

Potentilla recta (Sulphur Cinquefoil) 55 plants on sandy roadside bank of B3004, E of Kingsley 797384, Tony Mundell 15 Jun 2005 (where I have known it for 30 years).

Primula veris (Cowslip) Several people agreed with me (ARGM) that 2005 was a particularly good year for Cowslips. One example is c.200,000 plants at c. 1 per square metre spread all over the 2ha sloping field SE of minor road from Binley to Stoke 415521, John Moon 25 Apr 2005.

Pyrola minor (Common Wintergreen) Former site at The Slab, Bordon refound at 78203579 but decreased to c.120 plants in 1m x 0.5m patch plus 7 outlier plants scattered about 4m away, Chris Hall and Tony Mundell 3 Aug 2005.

Ranunculus auricomus (Goldilocks Buttercup) Beside Bushywarren Lane between Herriard and Ellisfield 648461, Peter Rollinson with Alton Natural History Society 15 May 2004. Several on VC12 side of road, Inwood Copse, N of Ashford Hill 55756315, Peter Brough, Bill Helyar and Tony Mundell 5 Apr 2005.

Roadside banks of Church Lane, Ellisfield 64234569, Tony Mundell 16 Apr 2005. 200+ plants on both sides of road E of Tangley at 35255280, plus 15 at 35035285 and 25 at 35075282, Bill Helyar and Tony Mundell 29 Apr 2005.

Ranunculus ficaria ssp. *bulbifera* (Lesser Celandine – form with bulbils) beside Bushywarren Lane between Herriard and Ellisfield 647461, Peter Rollinson with Alton Natural History Society 15 May 2004.

Ranunculus hederaceus (ivy-leaved Crowfoot) Dominant over a huge patch 3m x 4m at Ashford Hill NNR 56166213, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Ranunculus lingua (Greater Spearwort) One in ditch amongst much *Scirpus sylvaticus*, S of Bucks Horn Oak 80334037, Tony Mundell 10 Jul 2005, land owner says the ditch was cleared out 18mths ago and nothing was planted (so presumably from buried seed).

Rhynchospora alba (White-beaked Sedge) Patch 2m x 1m at The Slab, Bordon 78133497, Tony Mundell 23 Jul 2005. Smaller nearby scattered patches shown to Tony Mundell by Chris Hall on 3 Aug 2005 at 77963481 to 77953480 just north of some power lines.

Sanguisorba officinalis (Greater Burnet) Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Saxifraga granulata (Meadow Saxifrage) 70 plants in rough grass near end of racehorse gallops, Kimpton CP, 258467, John Moon 15 May 2005 (an historic site for this plant).

Scandix pecten-veneris (Shepherd's Needle) Abundant over about 30m of field edge, Southside Farm c.437434, surveyed after harvest, Phil Wilson 2004.

Scirpus sylvaticus (Wood Club-rush) Abundant in ditch, S of Bucks Horn Oak 803404, and nearby on margins of pond in Straights Inclosure at 80083965 and 80053969, Tony Mundell 10 Jul 2005.

Scleranthus annuus (Annual Knawel) 20 plants along NW edge of footpath, NW of Mortimer West End at 641641 (VC22 but administrative Hants), Bill Helyar 20 Jul 2005. 26 plants along arable field edge beside footpath, S of East Woodhay 40215989, Bill Helyar and Tony Mundell 4 Aug 2005.

Sedum telephium (Orpine) One close to road, Bagwell Shaw, Odiham Common 75855275, Joel Miller 10 Jun 2005.

Sison amomum (Stone Parsley) 20+ in field corner below Shoulder of Mutton Hill 73872670, Tony Mundell 10 Jun 2005.

Spergularia marina (Lesser Sea Spurrey) 300+ on NW side of road at Whitchurch 46214708 with 10 on SE side at 46254712, Bill Helyar and Tony Mundell 8 Jul 2005.

Stachys arvensis (Field Woundwort) 1 plant 200m along track leading west from New Barn Cottages, Laverstoke CP, 489466, becoming increasingly scarce locally, John Moon and Geoff Toone 2 Aug 2005.

Stellaria neglecta (Greater Chickweed) Single plant with single fully open flower beside River Rother, Liss 77882897, Ernie Sears 16 Apr 2005. Plant with two flowers about 1m W of River Rother, Liss 77882901, Tony Mundell 21 Apr 2005 (but probably not same as Ernie's plant). Dozens of plants

beside bridge at Ashford Hill 55736228, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Stellaria palustris (Marsh Stitchwort) c.20 plants at Ashford Hill NNR 56436202, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Tephrosia integrifolia (Field Fleawort) Ladle Hill, one at 47775681 and two at 47805688, but flowers gone over, HFG meeting with Peter Billingham et al 24 Jul 2005.

Tetragonolobus maritimus (Dragon's Teeth) 2 plants within one metre at Noar Hill 74433189, plus 4 plants within a 4m x 4m area at 74273194, Sue Clark, Tony Mundell et al 30 May 2005.

Teucrium botrys (Cut-leaved Germander) 5 plants along northern margin of sprayed set-aside field that is bordered by two railway lines, W of Andover c.328451, Gareth Knass 5 Jul 2005. Hundreds of plants (not yet flowering) scattered in various parts of Micheldever Spoils Reserve 5144, including one in newly-cleared glade in northern part of Reserve 52004495, Michael Edwards and Tony Mundell 8 Jun 2005. More detailed and localised counts by Michael Edwards on 26 Jul 2005 gave a total of 344 flowering plants plus 971 non-flowering for the whole reserve.

Thalictrum flavum (Common Meadow Rue) 300+ plants in large patch along E bank of River Test E of Longparish 446449, plus another patch nearby on W side, Bill Helyar, Paul Sterry and Tony Mundell 8 Jul 2005. Three plants next to path on south side of Stockbridge Down 38553453, Peter Billingham 30 Jul 2005.

Thymus pulegioides (Large Thyme) On two anthills at Ashford Hill NNR 56356199, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Tilia cordata (Small-leaved Lime) 5 large mature trees along woodland edge at Langrish 70232397 to 70272396, Tony Mundell 10 Jun 2005.

Torilis arvensis (Spreading Hedge-parsley) Abundant at Southside Farm from 443436 to 437433, sward Phil Wilson, surveyed after harvest 2004; still plentiful from 43664334 to 44094367 in wide headland strip on SE side of track, with a few on NW side at 43964359, Bill Helyar and Tony Mundell 8 Jul 2005.

Trifolium medium (Zig-zag Clover) Ashford Hill NNR 563619, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Triglochin palustris (Marsh Arrowgrass) 10+ spikes at Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Vaccinium oxycoccus (Cranberry) In two boggy places beneath power lines at The Slab, Bordon, with a couple of tiny patches within 0.5 x 0.5m area at 78093484 and much larger 6m x 6m patch on sphagnum at 78133486, Chris Hall and Tony Mundell 3 Aug 2005. In amazing abundance at Shortheath Bog, extending in a huge area across the sphagnum right to the southern corners of the bog at 77273648 and 77173655, (but only southern end of bog visited), Chris Hall and Tony Mundell 3 Aug 2005.

Valeriana dioica (Marsh Valerian) Ashford Hill NNR 56496184, Peter Brough, Bill Helyar and Tony Mundell 5 Jun 2005.

Veronica chamaedrys (Germander Speedwell) Common but two large clumps of white form at Noar Hill 73973201, Sue Clark, Tony Mundell et al 30 May 2005.

Veronica x lackschewitzii (Hybrid Water Speedwell) Lots in River Test at Longstock 36103704, Paul Green 30 Jul 2005.

Veronica peregrina (American Speedwell) A weed with the odd plant in gravel paths at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Veronica polita (Grey Field-speedwell) A widespread weed at Longstock Nursery 367388, Paul Green 30 Jul 2005.

Viola odorata var. *imberbis* (Sweet Violet – white form) Beside Test Way, Chilbolton 388399 and 387395, Tony Mundell 9 Apr 2005.

Viola odorata var. *subcarnea* (Sweet Violet – pink form) Just outside gate to West Worldham church 74123699, Tony Mundell 30 Mar 2005.

Viola odorata var. *sulfurea* (Sweet Violet – yellowish form) On roadside bank of garden with normal purple form (so possibly planted) Greywell 71935138, Tony Mundell 9 Apr 2005.

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