



**Hampshire &
Isle of Wight**

Flora News

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

Autumn 2006

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 planned for the rest of 2006 and early 2007.

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 an article about it for Flora News, we would be very pleased to receive it. Please send your articles to Catherine whose address and telephone number are given at the end of this newsletter. As usual, we are always keen to receive your suggestions for events and activities.

FORTHCOMING EVENTS

Sunday 10 September 2006, 10.30 am
Testwood Lakes Study Centre
Fern biology and identification for beginners
Leader: Fred Rumsey

Have you ever wanted to know more about ferns and be able to identify the species commonly encountered in Hampshire and the Isle of Wight? If so, come along to Testwood Lakes Study Centre to learn about this fascinating group of plants. Fred Rumsey of the Natural History Museum has kindly offered to lead this beginners' introduction to ferns which will involve a morning indoor session followed by some time out in the field. Please bring a packed lunch and suitable outdoor clothing and footwear. A pen and notebook will be helpful. If you have one, a hand lens might be useful. Testwood Lakes Study Centre is on the edge of Totton. At the roundabout on the Salisbury Road between Ower and Totton (A36), turn into Brunel Road. After entering Brunel Road, look for a small turning on the left after the first block of industrial units. Go on along the track, ignoring the first (public) car park, until the purpose-built Study Centre comes into view above the lake. There is plenty of parking at the Study Centre.

Saturday 23 September 2006, 10.30 am
Rare Plant Register meeting, Dibden Bottom and Kings Hat
Leader: Martin Rand

Meet at Applemore car park on Forest just W of Applemore roundabout, SU 395072.

This meeting will have a strong flavour of pteridophytes, so all those skills newly honed by Fred Rumsey can be put to good use! We shall monitor the current size and extent of populations of the nationally scarce and locally rare Marsh Fern (*Thelypteris palustris*) in Dibden Bottom; try and relocate several populations of the nationally endangered Marsh Club-moss (*Lycopodiella inundata*); and in Kings Hat we shall look for the hybrid Horsetail *Equisetum* x *font-queri* which has just two known sites in the county, and see if we can improve on the head count of one plant of Hay-scented Buckler Fern (*Dryopteris aemula*) seen here recently. We may also see Royal Fern (*Osmunda regalis*) and Pillwort (*Pilularia globulifera*).

Survivors of the Sedge Training Day may like to extend their repertoire with the locally scarce Black Bog-rush (*Schoenus nigricans*), Few-flowered Spike-rush (*Eleocharis quinqueflora*) and the fruiting remains of nationally scarce Brown Beak-Sedge (*Rhynchospora fusca*).

The going will be wet and rough. Be prepared! We shall finish at about 4pm (earlier if the weather is atrocious), so bring refreshment.

Contact: Martin Rand 02380 360395

Saturday 30 September 2006, 10.30am

Vegetative identification of plants in chalk grassland

Leader: John Poland

Following the very successful vegetative identification training day at Roydon Woods nature reserve on 2 October 2005, John Poland has kindly offered to lead another session, this time concentrating on plants found in chalk grassland habitats. The event will be of interest to botanists of all abilities. All plants will be identified vegetatively and the event will therefore be an ideal opportunity to improve your identification skills. A good chalk flora is likely to be found, along with a few arable 'weeds' and the odd scarce alien. Meet in the gravel car park opposite Magdalen Hill cemetery on the B3404 (approximately half a mile west of Percy Hobbs Roundabout) at SU 511 295 at 10.30 am. Bring a packed lunch and a drink.

Contact: John Poland 07714 568361

Sunday 5 November 2006, 10.30am

Bog Moss (*Sphagnum* spp) identification training day

Leader: Neil Sanderson

Neil Sanderson will be leading an introduction to the ecologically significant but rather cryptic Bog Mosses in the New Forest. Meet at Wootton Bridge car park at grid reference SZ 251 997 at 10.30 am. Bring a packed lunch and a drink. You should expect very wet conditions under foot so please wear suitable footwear and clothing.

Contact: Neil Sanderson 023 8029 3671

Thursday 9 November 2006

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

Leader: Tony Mundell

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 2 December 2006, 2pm – 5pm

Flora Group / BSBI Exhibition Meeting

Testwood Lakes Centre, Totton, SU 345155

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 and Martin Rand will probably show some slides or digital photos of Hampshire plants. Please bring along a few of your own slides or digital photos (on a CD) to show if you can (but only British plants and preferably 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 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.

Sunday 10 June 2007, 10.30am – 4pm

Visit to Greywell Moors and Warnborough

Greens

Meet at Greywell Pumping Station SU723513

Leader: Tony Mundell

A (slow!) circular 2 mile walk taking a visit to Greywell Moors in the morning, then along part of the Basingstoke Canal to visit Warnborough Greens in the afternoon. Bring a packed lunch and suitable footwear – wellington boots recommended! Greywell Moors is extremely rich with Marsh Fern, Southern Marsh Orchids plus other goodies. At Warnborough Greens we will see more Southern Marsh Orchids plus some Early Marsh Orchids and may hopefully find Brown Sedge, Flat Sedge and Slender Spike-rush.

Contact: Tony Mundell 01252 614516.

NEWS AND VIEWS

Eric Clement – a note by Elizabeth Young

The H.H. Bloomer Award of the Linnean Society of London was established in 1963 to be given annually to an amateur naturalist who has made an important contribution to biological knowledge, the recipients being alternatively a botanist and a zoologist. This year, to the delight of all who know him, it was awarded to Eric Clement in recognition of his lifetime's work on alien plants. Eric had a cheerful smile on his face as the president handed him the silver medal, but the smile became an ear-to-ear grin at the sound of the clapping from all those assembled.

Eric joins a list of eminent amateur botanists of earlier years who have received the award:-

1963 Ted Lousley
1977 Duggie Kent
1981 David Allen
1993 David McClintock

The readers of Flora News will join each other in sending Eric our congratulations and best wishes on receiving this prestigious award.

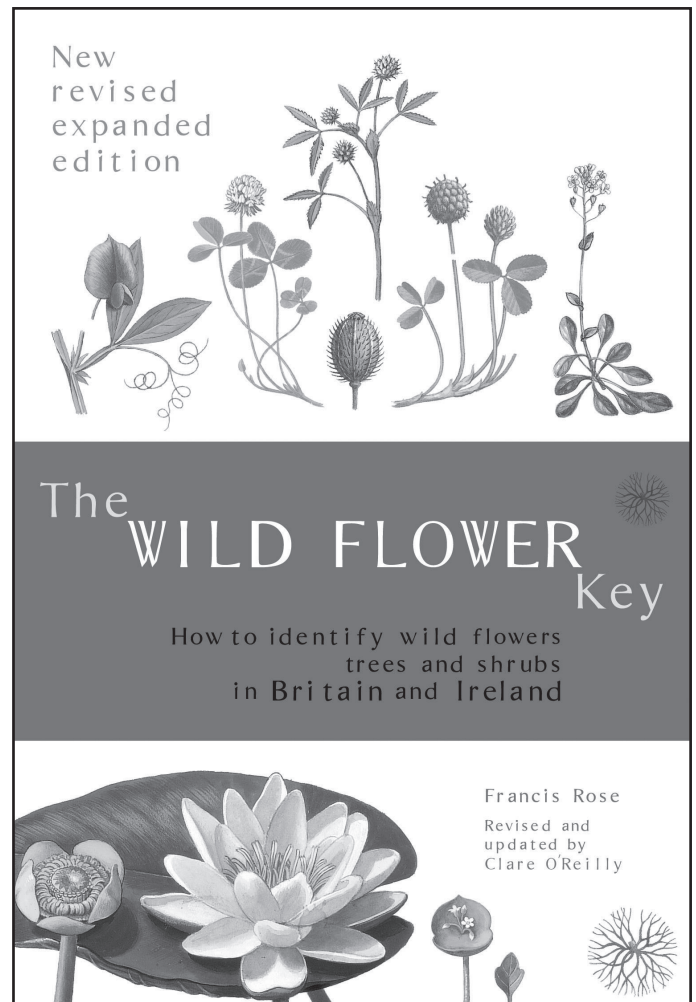
Francis Rose – a tribute by Clive Chatters

We were all saddened to hear of the death of Francis Rose aged 84 this July. Francis was a great friend to the Wildlife Trust and a supporter of the Flora Group in its early years.

Everyone who knew Francis has fond memories of him. His incredible depth of knowledge and his recollection of sites and species were legendary. Wherever you walked Francis had probably walked there before. Francis took great joy in sharing what he knew with other enthusiasts. Whilst he was a great academic that never formed a barrier with anyone who wanted to learn.

His 'Wild Flower Key', first published in 1981, was for twenty years the best field guide to identifying Britain's flora. In the last few years, working with Clare O'Reilly the Key has been updated and improved. The revised Key was published this spring and is even better than the original.

Francis will be much missed for his knowledge, his love of life and his zeal for making a difference. I recall standing by a Hampshire fen wondering how vigorous we should be in clearing scrub. Francis gave us confidence to get on with the job at a proper scale "Don't worry, the JCB is this inter-glacial's woolly mammoth".



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Tower Mustard task on 6 Nov 2005 – a report by Tony Mundell

This was a joint meeting with Plantlife to remove encroaching brambles and scrub from the steep roadside bank at Kingsley known to have a colony of the nationally endangered Tower Mustard (*Arabis glabra*). Gill Beresford kindly obtained permission for the work from the local parish council. Seven people helped and we counted 97 rosettes of Tower Mustard that had been concealed beneath the brambles. 2006 turned out to be an exceptional year for Tower Mustard. When the plants flowered on 23 May 2006 I counted over 150 flower spikes (although plants often had several spikes) at this site plus a few more nearby. More flowering plants were found at another former site on the same road a mile further east, and also at the former MOD site at Linchborough on the north edge of Woolmer Forest.

Red-tipped Cudweed task on 10 Nov 2005
– a report by Tony Mundell

Six people helped with soil-tilling and removal of bramble and gorse roots at the roadside site for this nationally endangered plant near Broomhurst Farm, Fleet. As an annual it needs bare soil to germinate, so work parties to disturb the soil have become an annual event. In spite of similar management for many years, for some unknown reason the population crashed in 2005. Thankfully it seems to have recovered for on a very brief visit in early July 2006 I made a very rough estimate of around a hundred plants.



Rare Plant Register meeting for Dwarf
Sedge *Carex humilis* on 15 April 2006 – a
report by Martin Rand

A meeting devoted to tracking down a 3” high sedge on a raw grey day was never going to be a huge crowd-puller, so it was gratifying to get 10 people out to record across western Hampshire.

We were able to organise three separate parties, one working in Vernditch Chase, one around Tidpit Common Down and one in the Toyd Down area. With one group so enthused that they went out for another trip round Breamore and Whitsbury on the following Friday, we have now managed to cover all known

sites in Hampshire (bar two small road verges) in the last three years – and added a couple of new ones.

Apart from Martin Down National Nature Reserve and its outliers, there is only one site that has a large extent of Dwarf Sedge – the excellent sheep-grazed downland of Windmill Hill. Many other sites are tiny and in poor condition. But it was gratifying to see that this plant is a survivor, lingering on in coarse vegetation and responding well to sympathetic management.

Thanks to all who took part and helped to improve our knowledge of Dwarf Sedge’s current status in the county. I shall be producing a detailed paper next year, after looking at the remaining two sites.

Visit to Eelmoor Marsh on 17 Jun 2006

– a report by Tony Mundell

Chris Hall and Tony Mundell led a group around this superb area of heathland and bog, normally inaccessible to the public. One surprise was 51 spikes of Bee Orchid (*Ophrys apifera*) only a few yards from where we assembled at the QinetiQ main entrance gate. Highlights of the SSSI itself included so-called “Common” Butterwort (*Pinguicula vulgaris*) (which could hardly be rarer in Hants!) Pale Butterwort (*P. lusitanica*), Lesser Bladderwort (*Utricularia minor*) and “Common” Wintergreen (*Pyrola minor*) (again a rarity in Hampshire). The Early Marsh Orchids (*Dactylorhiza incarnata pulchella*) were going over, whilst the Marsh Helleborines (*Epipactis palustris*) and Green-flowered Helleborines (*E. phyllanthos*) were still only in leaf. An abundance of Heath Spotted Orchids (*D. maculata ericetorum*) were at their peak. Numerous sedges were seen, including Flea Sedge (*Carex pulicaris*), Tawny Sedge (*C. hostiana*) and Distant Sedge (*C. distans*). We paid our respects to a large clump of Royal Fern (*Osmunda regalis*) that still has not spread from where Tony Mundell first found it 31 years ago, and also digressed briefly to see a curious bracket fungus, The Black Conk (*Inonotus obliquus*). The Hampshire Fungus Recording Group had found this on a birch tree during an earlier visit. It is extremely rare in southern England but widespread in Scotland.

Visit to Ashlett Creek / Calshot area on

Wednesday 12 July 2006 – a report by

Clive Chatters

On 12 July we met up at the car park at Calshot for a pleasant evening stroll to the Jolly Sailor pub at Ashlett Creek. The purpose of the trip was to look at the flora of the coastal habitats around of this part of the National Park.

The first part of the walk was across part of Tom Tiddlers Ground. This was salt marsh until the 1950s when dredgings were dumped over it so the land could be used for industry. After the power station was built no further industry came and the land was reclaimed by nature. Not that we saw much, as on arrival an extended family of Forest farmers were loading the last few haybales onto a trailer. Better luck next year.

Crossing the swing bridge in front of the power station brought us into the pony-grazed grasslands and marshes of Ashlett. The Forest ponies were grazing

across the sea lavender and ignored our discussions as to how lax a sea lavender has to be before it is officially the lax-flowered species. The short gravel turf was parched but large populations of the increasingly rare cudweed, *Filago vulgaris* were found. The gentle slope of the gravel shore and marshes looked superb in the early evening light with different colours of the perfectly zoned intertidal habitats. Passing the shadow of the chimney we were on the home straight to the pub when, with perfect synchronisation, various members pointed to a tall dandelion-like flower just as Martin Rand's head appeared amongst it to give scale. At up to three metres high it is difficult to see how this had been overlooked. The plant was the marsh sow thistle *Sonchus palustris*, a species very rare with us and known from the Beaulieu river from the 1950s but this the first record for Southampton Water. This upper saltmarsh/coastal reedbed species is locally abundant on the East Anglian coast and the Thames Estuary so this new population is quite a find.

Walking along the marsh edge, in the hope of finding more *Sonchus*, Martin Rand then found a plant of the lettuce *Lactuca virosa*. This is another giant of the coast at over 2 metres. Paul Bowman knew this plant from around this shoreline. The earliest evidence I can find for it is Goodyer's record from a gravelly place by Southampton water in 1618.

An excellent evening walk, what can be a 20 minute hike converted into a couple of hours of botanising followed by a pie and a pint in good company.



Illustrations by Sarah Murphy

Green-winged orchid

Conyza in Hampshire, and the new Flora of Great Britain – an article by Martin Rand

Hampshire has had its full share of the *Conyza* (Fleabane) invasion of recent decades, which is still sweeping into new areas, and there have been a couple of articles by Hampshire botanists in BSBI News describing developments (Stanley (1996); Mundell (2001)).

Prevailing wisdom has been that there are three taxa present in the county: *Conyza sumatrensis* (Guernsey Fleabane), a now widespread colonist of light non-calcareous soils; *Conyza bilbaoana* (Bilbao's Fleabane), first recorded in 1992 and well-established in the Southampton, Gosport and Portsmouth areas; and *Conyza canadensis* (Canadian Fleabane), a widespread weed established in Britain since 1640. *Conyza bonariensis* (Argentine Fleabane), which was formerly confused with *C. sumatrensis*, is now known to be a rare casual that has only had one vouched-for record for the county. The taxonomy of the genus is highly problematic and treatments from different parts of the world are inconsistent, to put it mildly. There have been suggestions of hybridisation by various authors, but these have been open to challenge.

Looking at *Conyza* in the last few years in Hampshire, Tony Mundell and I have often been perplexed by plants that do not fit the taxon descriptions published for Britain. In particular, there are plants that look something like *C. bilbaoana* but have the wrong shape and other details wrong; and plants that appear to be *C. sumatrensis* but whose habit does not agree with the books.

Fortunately a more eminent botanist than either of us has also been having the same problems. Peter Sell, in Sell and Murrell (2006), proposes a radically enlarged treatment of the genus. Observing the variability in populations round Cambridge, and growing plants on from seed to find that they bred true, he concluded that (with the possible exception of *C. canadensis*) plants were largely apomictic or at least self-pollinating – like Hawkweeds (*Hieracium*). If this is the case then it might go some way to explaining the difficulty of reconciling accounts from different parts of the world or establishing a synonymy.

In summary, Sell offers us a split of *C. sumatrensis* into two taxa, differing in habit, the second being *C. daveauiana* Sennen. Plants with the dull grey-green

appearance of *C. bilbaoana* but differing in habit and bract shape are named as *C. floribunda* Hunb., Bonpl. & Kunth. He also distinguishes five varieties of *C. canadensis* and two of *C. floribunda*.

Although I have not yet tested this account systematically against Hampshire material, it certainly looks workable. I would be very interested in getting people involved in collecting and making notes; since flowering can go on well into late Autumn if there are no heavy prolonged frosts, it's a good way to extend the field season. Sell's account is based largely on Cambridge gatherings and he points out that much existing herbarium material and literature are inadequate, so any treatment is likely to be open to revision. Below I have adapted his key, down to species level only, as a working tool.

I will be very pleased to look at Hampshire plants. If you are collecting material make sure you collect the entire flowering stem, preferably at a stage when it shows buds and flowers. If you want to give me fresh material you will need to arrange a delivery or collection, or post it first class in a sealed bag, chopped to the size of a tabloid newspaper page or smaller. *Conyza* can go entirely and spectacularly to seed in an astonishingly short time! Pressings should be of the entire stem, sectioned as necessary onto several sheets, and labelled to make it clear which specimen they belong to. If you do not want pressed specimens returned, I will deposit them in due course with Hampshire County Museums Service.

(please see page 7 for key)

References

- Mundell, A.R.G.M (2001): *Conyza bilbaoana* is on its way to you. B.S.B.I. News 87: 62-65.
Sell, P & Murrell, G (2006). Flora of Great Britain and Ireland vol. 4 pp. 456-459, Cambridge.
Stanley, P (1996). *Conyza bilbaoana* J. Remy new to south Hampshire (v.c.11) and to Britain. B.S.B.I. News 73: 47-49.

Key

- 1 Involucral bracts densely hairy.....2
 Involucral bracts glabrous or with an occasional hair.....4
- 2 Inflorescence of long, slender, rigidly erect, straight branches often from low down the stem;
 involucral bracts 3-4 x 0.4-0.5mm.....**C. daveauiana**
 Inflorescence of shorter, stouter branches with a great tendency to be curved; involucral bracts 4-5 x
 0.5-0.6mm.....3
- 3 Inflorescence starting about halfway up the stem, ellipsoid and fairly dense;
 involucral bracts suddenly narrowed halfway to the top.....**C. sumatrensis**
 Inflorescence of long, stout branches not forming any regular shape; involucral bracts gradually
 narrowed all the way to the tip.....**C. bonariensis**
- 4 Whole plant yellowish-green in appearance.....**C. canadensis**
 Whole plant dull greyish-green in appearance.....5
- 5 Ultimate flowering branches short and wide; involucral bracts obtuse at apex
 **C. bilbaoana**
 Ultimate flowering branches long and narrow; involucral bracts acute at apex
 **C. floribunda**

Visit to Greenham Common and Baynes and Bowdown Woods on 20 May 2006

John Norton has compiled a list of species seen during the Flora Group's enjoyable visit to Greenham Common and Baynes and Bowdown Woods. The list includes species recorded by Peter Billingham, Sarah Ball, Barry and Jane Goater, Norman Hall, Clive Chatters, Eric Clement, John Poland, Kathryn Hart and Elizabeth Young. In addition to vascular plants, the list includes fungi, lichens, bryophytes, birds, mammals and insects. The list is divided into separate records for a) Greenham Common, b) Baynes and Bowdown Woods BBOWT reserve and c) areas between Bury's Bank Road and Baynes/Bowdown Reserve. If you would like to receive a copy of the list, please send a stamped self-addressed A4 size envelope to Catherine Chatters. Please mark the envelope 'Greenham Common list'. Catherine's address is given at the end of this newsletter.

Stony Moors

In the Spring 2006 edition of Flora News, Neil Sanderson reported on the success of works undertaken by Forest Enterprise at Stony Moors. Stony Moors is a large calcareous spring line fen in the far south west of the New Forest (SZ 21 99). It supports a short rich fen vegetation of a type more typical of upland flushes (NVC M10ai) with much *Schoenus nigricans*

and is one of the few lowland sites for the liverwort *Preissia quadrata*. Its condition had deteriorated due to two, potentially related, problems – drainage and scrub encroachment.

In the winters of 1998/1999 and 1999/2000 the Flora Group made a start on the restoration of this area by cutting a small area of Sallow. Forest Enterprise then took up the challenge of restoring this mire. The scale of this is remarkable and Forest Enterprise is to be congratulated on what has been achieved.

Neil had already seen marsh arrowgrass *Triglochin palustris* appear in 2001 and has reported the exciting appearance in 2005 of the highly sensitive fen brown mosses *Scorpidium scorpioides* and *Palustriella falcata* (was *Cratoneuron commutatum* var. *falcata*).

Simon Weymouth of Forest Enterprise justifiably says that Forest Enterprise is 'proud of the clearance work at Stony Moors and would delight in others coming to enjoy its speedy recovery!' Clive Chatters is arranging for Flora Group members to visit the area during summer 2007 to study the results of the restoration works. Further details of the event will be provided in the Spring 2007 edition of Flora News.

VC 11 Records compiled by Martin Rand

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.

It's very pleasing to see the number of new records and updates to old records for Hampshire Notables appearing in these lists. There still remains a huge number of records of rare or scarce plants that date back more than 10 or even 20 years, so plenty of interesting fieldwork remains! I will summarise some of the things particularly worth concentrating on in the winter *News*, ready for next season.

Another gratifying thing this year is the appearance of arable marginal 'conservation strips' that are not being resown with the usual Rye-grass mix. Apart from the Corn Gromwell mentioned below, these have also benefited *Briza minor* (Lesser Quaking-grass) and various Fumitory species in the county.

Abbreviations: AEB = Alison Bolton, AIH = Audrey Hold, AJBa = Andy Barker, ARGM = Tony Mundell, B&JG = Barry and Jane Goater, CC = Clive Chatters, DRA = Debbie Allan, EJC = Eric Clement, FJR = Fred Rumsey, GTh = Gill Thornton, ILR = Ian Ralphs, JAN = John Norton, JCw = Jonathan Crewe, JoM = Joel Miller, JPd = John Poland, JRWH = Ralph Hollins, MEY = Elizabeth Young; MR = Martin Rand, NAS = Neil Sanderson, PAB = Phil Budd, RMV = Roger Veall, RMW = Robin Walls; VS = Vera Scott.

Amaranthus hybridus (Green Amaranth): Ellwood Avenue, Thornhill, SU472123; 05 Sep 2005; PAB. **1st for SU41.**

Anacamptis pyramidalis (Pyramidal Orchid): Markway Hill A35 verge, SU247032; 13 Jul 2005; VS. **1st for SU20.**

☼ *Anisantha diandra* (Great Brome): Throop Mill, SZ112957; 26 May 2006; RMW. On bank adjacent path. **New site.**

☼ *Arabis hirsuta* (Hairy Rock-cress): Ports Down, Paulsgrove, SU646065; 14 Jun 2006; BSBI group. **Scattered in small quantity. 1st in tetrad since 1975**

Arenaria serpyllifolia subsp. *serpyllifolia* (Thyme-leaved Sandwort): Freemantle Railway Footpath East, SU412120; 16 May 2005; PAB. **1st for SU41.**

Aucuba japonica (Spotted-laurel): Ramalley Copse, Chandler's Ford, SU424215; 23 Apr 2005; PAB. **1st for SU42.**

☼ *Baldellia ranunculoides* (Lesser Water-plantain): Ober Heath/Fletcher Thorns, SU2604; Jun 2005; VS & AIH. Although mapped in the *Flora of Hants*, there is no corroborating record and this appears to be the **1st localised in tetrad.**

☼ *Calystegia soldanella* (Sea Bindweed): Inchmery, Lepe, SZ439985; 09 Jun 2005; AEB. Small patch. **Extension W of current range, and 1st in tetrad since 1930.**

Campanula trachelium (Nettle-leaved Bellflower): Holly Hill, SU497080; 18 Jun 2006; MR & JAN. **1st for SU40 but possible garden escape**

☼ *Carex divisa* (Divided Sedge): Triangle Lane, Titchfield, SU532040; 25 Feb 2005; JAN & DRA. **New tetrad.**

Carex x subgracilis (C. *acuta* x *acutiformis*): Millbrook, Southampton, SU403122; 16 May 2005; PAB conf. EJC & MR; voucher Hb MR. One large colony (probably one plant) under a pylon by the A33 at Millbrook. **New vice-county record.**

Catapodium rigidum (Fern-grass): Ashley Hole, SU201151; 03 Jun 2006; MR. Bare gravel slope on bombing range. **1st for SU21.**

☼ *Cephalanthera damasonium* (White Helleborine): A3090 nr Larkfarm Plantation, Hursley, SU43827; . 22 Jun 2006; AJBa. Small woodland strip, N side of road, SU43852724. 4 plants (3 flowering) amongst beech litter and ivy. **New tetrad.**

Ceratochloa carinata (California Brome): Careys Road, N Bournemouth; SZ106955; 26 May 2006; RMW. Improved grassland, roughly cut and used as open space, SZ1060 9557. **1st for SZ19.**

Chamaecyparis nootkatensis (Nootka Cypress): Lord's Wood, Southampton, SU398172; 06 Aug 2005; PAB. Self-sown in NW of Lord's Wood. **New vice-county record.**

✿ *Crepis biennis* (Rough Hawk's-beard): Gosport Road / Newgate Lane, Fareham, SU575051; 23 Jun 2006; EJC and MR. 45 plants on and around the roundabout and another 30+ in neighbouring Newgate Lane and Salterns Lane. **1st for SU50 since 1976.** Belle Vue Rd. etc, SZ1491; 27 Jun 2005; RMW. **New tetrad.** This should be looked out for elsewhere, as it may be spreading as a coloniser of disturbed habitats.

Cyperus eragrostis (Pale Galingale): Ashburton Road / Paget Road, Alverstoke, SZ600986; 14 Aug 2005; EJC & JAN. One mature plant base of garden wall. **1st for SZ69.**

Digitaria sanguinalis (Hairy Finger-grass): Lydgate Green, Hightown, SU468118; 17 Aug 2005; PAB. **1st for SU41.**

✿ *Dryopteris aemula* (Hay-scented Buckler-fern): Beech Bed Inclosure, SU227064; 30 Apr 2006; NAS. At SU22792 06475 +-14m. Large patches on sides of dry ditches at the GPS and scatter of plants to the east on ditch sides, tipped up root plates, and a natural stream bank. In a 19th century Oak plantation on site of former pasture woodland. **New tetrad.**

✿ *Eleocharis acicularis* (Needle Spike-rush): Boundway Hill, Sway, SZ261988; 10 May 2006; MR. On almost bare poached sward on seepage line of step mire, SZ2611 9881. A few scattered spikes. Boundway Hill, Sway, SZ263987; 10 May 2006; MR. In short very open drenched sward close to valley bottom at SZ 2631 9879. A few scattered spikes. **New tetrad.**

Elytrigia atherica (Sea Couch): Bar End, Winchester, SU489283; 23 Jun 2006; EJC & MR. E side of Bar End Road just S of Chilcomb Lane, extending over c. 20m. Details checked at x30 magnification; a pollen or seed check is still needed but morphologically this appears to be the species and not a hybrid. **1st for SU52.** Other glaucous *Elytrigias* have been noted in inaccessible places on salted road verges and it is possible that this and/or *E. x drucei* are spreading along with the many other coastal species.

Eranthis hyemalis (Winter Aconite): Boscombe overcliff etc, SZ1291; 04 Apr 2005; RMW. **1st for SZ19.**

✿ *Euphorbia paralias* (Sea Spurge): Hengistbury Head, SZ181906; 13 May 2006; David Leadbetter. Main colony seems to be increasing. Hengistbury Head, SZ186916; 13 May 2006; David Leadbetter. 40 yards N of S13 groyne. Hengistbury Head, SZ186917; 13 May 2006; David Leadbetter. 25 yards from the water and opposite Mudford Quay. Mudford Spit, SZ1891; 18 Aug 2005; RMW. **1st for tetrad.** Inchmery Beach, SZ439986; 05 May 2005; AEB. On the SSSI below Inchmery House, from SZ438986 to SZ439986. Inchmery, Lepe; SZ439985; 09 Jun 2005; AEB. 299 plants counted + 100 estimated. **1st for tetrad since ?1960.** A species whose fortunes appear to be reviving.

Festuca brevipila (Hard Fescue): St Catherines Park and Ride, Winchester, SU486281 04 May 2006; MR. In bare verges of replanted ground at NW corner of site. **1st for SU42.**

✿ *Festuca rubra* subsp. *junceae* (Red Fescue): Bar End, Winchester, SU489283; 23 Jun 2006; EJC & MR det. EJC; E side of Bar End Road just S of Chilcomb Lane. Occurring with *Elytrigia atherica*. **1st for SU42.**

✿ *Festuca rubra* subsp. *litoralis* (Red Fescue): Nr Brooklands Farm, Lower Swanwick, SU493087; 07 Jun 2006; MR. Upper part of saltmarsh. N of Bunny Meadows, Sarisbury, SU489075; 18 Jun 2006; MR & JAN. Back of saltmarsh. **1st for SU40.** This distinctive subspecies is not recorded in the Flora of Hampshire: it is likely to be widespread in suitable habitat along the coast and should be looked for.

✿ *Gentianella anglica* (Early Gentian): Ashley Hole, SU202152; 03 Jun 2006; MR. 200 plants (estimated), mostly very small, centred on SU2021 1524. Only 4 showing just a single flower. Portsdown Hill, SU630067; 08 Jun 2006; Richard Jones. 2 plants on N side of path running NE-SW from gate at top of Paulsgrove Pit, SU6305 0670. Portsdown, Paulsgrove, SU6300662; 08 Jun 2006; Richard Jones; 2 plants on S of path running NE-SW from gate at top of Paulsgrove Pit, above recent scrub clearance, at SU6304 0665. **1st at site since 1975** and at some distance from previous records. Portsdown Technology Park, SU640068; 14 Jun 2006; BSBI group. 65 plants.

✿ *Gentianella campestris* (Field Gentian): Whitefield Moor, New Forest, SU283023; 26 Oct 2005; VS&AIH. Over 100 plants. **New tetrad.**

✿ *Geranium rotundifolium* (Round-leaved Crane's-bill): Throop Mill, SZ112957; 26 May 2006; RMW. Steep grassy bank along a track. **New tetrad.** Mill Road, N Bournemouth, Fair Mile Road - NW, Christchurch, SZ135959; 10 May 2005; PAB. **New tetrad.**

Geranium x magnificum (Purple Crane's-bill): Priddy's Hard, Gosport, SU615010; 17 May 2005; PAB. **1st for SU60.**

Gladiolus communis subsp. *byzantinus* (Eastern Gladiolus): Portsdown, SU648065; 14 Jun 2006; BSBI group. Two clumps, the more easterly at SU6481 0654. **1st for SU60.**

✿ *Groenlandia densa* (Opposite-leaved Pondweed): R Meon, Nr Droxford, SU609182; 09 May 2006; Dr M Everard. Immediately above the footbridge over the River Meon behind the church at Droxford. With corroborating photos. **1st in tetrad since 1952.** This is Goodyer's location of 1621 (or close to it).

✿ *Helleborus foetidus* (Stinking Hellebore) The Beeches, Upham, SU545202 and SU546202; 11 Mar 2006; JAN and DRA. SU54572021 - 54612021. 40+ near tree line, over c.40-50 metres. A good resurgence at a long-known and probably native site where it had been dwindling recently. Winchester College grounds (Ridding Meads), SU484283; 04 May 2006; MR. Small plant close to river bank, no doubt an escape. **New tetrad.**

✿ *Helleborus viridis* (Green Hellebore), Whips Hill Copse, Rockbourne, SU123176; 15 Mar 2005; Dr D Hughes. 3 patches within 30 metres of each other, 50 plants total, 10 sparsely in flower. Reconfirmation at site after 10 years, in reasonable numbers.

Heracleum mantegazzianum (Giant Hogweed): Gilkicker recreation area, SZ603980; 03 May 2006; JAN and DRA. On disturbed soil bank (dredged for pond creation). **1st for SZ69.**

Hieracium maculatum (Spotted Hawkweed): Portsdown Technology Park, SU640068; 14 Jun 2006; BSBI group conf. EJC & MR. Falls within definition of *H. spilophaeum* (Sell & Murrell 2006). Locally abundant in good quality chalk grassland. An extension from its 1991 record on the other slope of Portsdown, where it is still present.

✿ *Hydrocharis morsus-ranae* (Frogbit): Titchfield Haven NNR, SU536026; 08 Aug 2005; DRA, JAN & EJC. Wet ditch, by bridge, frequent in patch of c.6 x 1m, and dominant in patch c.2 x 1.5m. Titchfield Haven NNR (E), SU537027; 08 Aug 2005; DRA, JAN & EJC. SU53710272 and elsewhere. Wet ditch, frequent in patch of c.8 x 1m & 5 small clumps of c.40cm diameter. Titchfield Haven NNR (E), SU540032; 08 Aug 2005; DRA, JAN & EJC. SU54060325, patch c.1m x 0.5m in the dyke. The last location is a **New tetrad.**

Hypericum x inodorum (Tall Tutsan): Ampfield Wood, SU389242; 19 Jun 2006; MR, AJBa, Clare Rand & Linda Barker det. MR. Naturalised in some quantity along E-W ride at SU3897 2423. A little *H. androsaemum* in same area. **1st for SU32.** Hook-with-Warsash HCC Reserve, Wendleholm, SU493076; 18 Jun 2006; MR & JAN det. MR. Single bush. **1st for SU40.**

✿ *Illecebrum verticillatum* (Coral-necklace): Setley Pond car park, SZ301992; 02 Jul 2005; JAN & Flora Group Bramble meeting. Setley Plain; SZ3099; 23 Nov 2005; VS & AIH. Plants at SZ30179961, 6 x 3 m. **New tetrad.**

✿ *Juncus foliosus* (Leafy Rush): Ober Water, S of Rhinefield House, SU264031; 07 Sep 2005; DRA, EJC, JAN & MR. SU26450314, in ditch. **New tetrad.**

✿ *Juncus x diffusus* (*J. effusus x inflexus*): Holiday Hills Inclosure, New Forest, SU275072; 15 May 2005; VS & AIH. 3 plants near bridge over ditch at SU 26580727. Highland Water, New Forest, SU276063; 22 Jun 2005; VS & AIH. 1 plant at SU27680636. **New tetrad.**

✿ *Juniperus communis* (Common Juniper): Portsdown, Paulsgrove; SU630066; Jun 2006; Richard Jones. Revealed by scrub clearance and now preserved on scrub margin. **New tetrad.**

Lagurus ovatus (Hare's-tail): Hengistbury Head, SZ177904; 02 Jun 2005; AEB. Lots on slipped land behind dunes. **New tetrad.**

Lathraea clandestina (Purple Toothwort): Kingsway Cut, SU437212; 27 Apr 2006; MR. Four clumps amongst leaf litter on W side of path, host not obvious. **New tetrad.**

✿ *Lathyrus aphaca* (Yellow Vetchling): Paulsgrove Pit, SU631066; 14 Jun 2006; BSBI group. Locally abundant, chiefly on slopes at W end of pit, eg SU6313 0667. **New tetrad.**

Lavatera arborea (Tree-mallow): Redbridge Wharf Park, SU371135; 03 Apr 2005; PAB. **1st for SU31.** Lee-on-the-Solent, SZ566998; 17 Sep 2005; DRA. Disturbed soil, on embankment above promenade, near WCs. **1st for SZ69.**

Lavatera thuringiaca (Garden Tree-mallow): following a national review of these plants, the Calshot record for 2005 should probably be referred to *L. x clementii*.

Lavatera x clementii (Hybrid Tree Mallow): Freemantle Railway Footpath – Central, SU4012; 23 Jun 2005; PAB. **1st for SU41.**

✿ *Lithospermum arvense* (Field Gromwell): The Monument, Farley Mount, SU403290; 22 Jun 2006; MR & Clare Rand. Field border to NE of monument. Estimated 700 plants: benefiting from unsown marginal arable

strip.

✿*Lotus subbiflorus* (Hairy Bird's-foot-trefoil): Hurn Airport NW, ;SZ1098; 27 May 2005;RMW. Proposed waste site. **New tetrad.**

Matthiola incana (Hoary Stock): Mudeford Spit, SZ1891; 18 Aug 2005; RMW. **New tetrad.**

Melilotus albus (White Melilot): Mudeford Spit, SZ1891; 18 Aug 2005;RMW. Surprisingly, **1st in SZ19 since 1970.**

✿*Myriophyllum alterniflorum* (Alternate Water-milfoil): River Way etc, SZ1394; 29 Jun 2005; RMW. **1st for SZ19 since 1970.**

Narcissus cyclamineus (Cyclamen-flowered Daffodil): Trodds Copse, Ampfield, SU420227; 02 Apr 2006; Peter Marston. In the NE finger of woodland of Trodds Copse, SU4207 2272, having spread from a nearby garden where they are growing in the lawn. **New vice-county record.**

Narcissus pseudonarcissus subsp. *pseudonarcissus* (Wild Daffodil): Ashridge Copse, Damerham, SU098146; 19 Mar 2006; MR. **1st for SU01 in VC8.** Not recorded in Hampshire or Wiltshire floras, but recorded in neighbouring tetrads in Dorset.

✿*Neottia nidus-avis* (Bird's-nest Orchid): A3090 nr Larkfarm Plantation, Hursley, SU438272; 22 Jun 2006; AJBa. Small woodland strip, N side of road, SU43852724. 5 spikes in leaf litter. **1st in tetrad since 1960.**

✿*Ophioglossum azoricum* (Small Adder's-tongue): East End Pond, SZ366976; 23 Jun 2006; AEB. In the winter ponds at the S end of East End Pond. 100+ fruiting spikes in the dip nearest the path and 40+ in another. **New tetrad.**

✿*Papaver dubium* subsp. *lecoqii* (Yellow-juiced Poppy): Portsdown Technology Park, SU640068; 14 Jun 2006; BSBI group. Locally frequent on bank of chalk spoil won from making of new car parking spaces and deliberately left unsown. **New tetrad.**

✿*Papaver hybridum* (Rough Poppy): Beacon Hill, Ashley, SU400292; 22 Jun 2006; MR and Clare Rand. Four plants in fallow field to N of main track. **1st in tetrad since 1975.**

✿*Parentucellia viscosa* (Yellow Bartsia): Hurn Airport NW, SZ1098; 21 Jun 2005; RMW. Proposed waste site, addl data from B.Bruce. **New tetrad.** By A338, edge of Ramsdown Plantation, SZ134962; 23 Jun 2005; PAB. **1st in tetrad since 1983.**

✿*Petroselinum segetum* (Corn Parsley): Gosport Road / Newgate Lane, Fareham, SU575051; 23 Jun 2006; EJC & MR. On SW corner of roundabout at SU5753 0516, in turf near street furniture. **1st for SU50 since 1950.**

Pilosella aurantiaca subsp. *carpathicola* (Fox and Cubs): St Mary's Church, Sholing, SU453114; 16 Sep 2005; PAB. **1st for SU41.**

✿*Polygonum rurivagum* (Cornfield Knotgrass): S. Browndown Ranges SSSI, SE, SZ584988; 27 Aug 2005; JAN & DRA. Photographic record;SZ58479889, 10 plants on stabilised shingle (showing torn ochrae). Browndown Ranges SSSI, SZ573991; 03 Sep 2005;KAN & RDA. 8 plants at SZ57389916. **1st for SZ59 in VC11.**

✿*Potentilla anglica* (Trailing Tormentil): Hook-with-Warsash HCC Reserve, Wendleholm, SU493076;18 Jun 2006; MR & JAN det. MR from microscopic examination. Lvs mostly 4-nate, fls mixed 4-nate and 5-nate, stems not rooting at nodes, pollen >95% viable. **New tetrad and only second recent record in SU40.**

✿*Pulicaria vulgaris* (Small Fleabane): Penn Common, Bramshaw, SU274168; 23 Aug 2005; Simon Curson. N of the road. A few plants, mostly near the roadside. Penn Common, Bramshaw, SU274167; 23 Aug 2005;Simon Curson. S of the road, SU2740 1675. Many thousands of plants. (The Penn Common population was estimated at about half a million plants in 2005 by Andy Byfield.) **New tetrad.**

✿*Pulmonaria longifolia* (Narrow-leaved Lungwort): N of Cowleys Copse, Holbury, SU414024; 16 Apr 2005; MR. 5 plants by fence of copse at SU4145 0240. Flowering stems bitten off by grazing stock through fence. **1st in tetrad since 1930.**

Pulmonaria officinalis (Lungwort): Redbridge Wharf Park, SU371135; 03 Apr 2005; PAB. **1st for SU31.**

✿*Ranunculus baudotii* (Brackish Water-crowfoot): Paulsgrove Pit, Portsdown, SU633066; 14 Jun 2006; BSBI group det. MR. Small pond in floor of pit. **New tetrad.**

✿*Ranunculus parviflorus* (Small-flowered Buttercup): Freemantle;SU411121; 16 May 2005; PAB. Abundant in grassland N of A33 and W of Southampton Central Station. Freemantle Railway Footpath – East, SU412120; 16 May 2005; PAB. **New tetrad.**

✿*Raphanus raphanistrum* subsp. *maritimus* (Sea Radish): Alum Chine etc, SZ0790; 06 Apr 2005; RMW &

JCw. **New tetrad.** Inchmery, Lepe, SZ439985; 09 Jun 2005; AEB. Several plants. **New tetrad.**

Rubus phoenicolasius (Japanese Wineberry): Portland Coppice, Purbrook, SU656082; 02 Aug 2005; Ian Thirlwell conf. EJC. On the right hand side of the path going into the wood, in the first section before getting to the thick conifer plantation, at SU65630829. **New vice-county record.**

✿ *Ruppia maritima* (Beaked Tasselweed): Stanpit Marsh, SZ166917; 16 Nov 2005; RMW. In a small pool amongst SM16 grassland at SZ1669 9175. **1st for tetrad since 1930.**

Sedum spectabile (Butterfly Stonecrop): Ramalley Copse, Chandler's Ford, SU424215; 23 Apr 2005; PAB. **1st for SU42.**

Silybum marianum (Milk Thistle): Harts Farm Way, Brockhampton, Havant, SU706058; 16 Jun 2005; JRWH. Two plants newly flowering this year on anti-traveller earth bank north of electricity sub-station. **New tetrad.**

Sisymbrium orientale (Eastern Rocket): Barfield Close, Winchester, SU487286; 19 May 2006; MR. Pavement weed. **1st localised for SU42.**

Sorbaria sorbifolia (Sorbaria): Freemantle Railway Footpath – Central, SU4012; 23 Jun 2005; PAB. **1st for SU41.**

✿ *Spirodela polyrhiza* (Greater Duckweed): S. Parley, SZ0996; 30 Jun 2006; RMW. **1st in SZ09 since 1965.** Berry Hill etc., SZ1096; 23 Jun 2006; RMW. **1st in tetrad since 1965.** Titchfield Haven NNR, SU538031; 08 Aug 2005; DRA, JAN & EJC. SU53810319, frequent over 20m stretch in W end of wet ditch (just E of R. Meon), with: *Butomus umbellatus* (Dominant), & *Eleocharis palustris* (Frequent.) **New tetrad.**

Tellima grandiflora (Fringe-cups): Nea Meadows, SZ203937; 04 May 2006; David Leadbetter. One plant by stream. **1st for SZ29.**

Thymus pulegioides (Large Thyme): Vaughan Close, Thornhill, SU474123; 01 Apr 2005; PAB. **1st for SU41.**

✿ *Torilis nodosa* (Knotted Hedge-parsley): Waterford Road, Highcliffe, SZ216934; 14 May 2006; David Leadbetter. Common as a lawn weed, SZ216 934-5. **1st for tetrad since 1930.**

Tragopogon pratensis subsp. *pratensis* (Goat's-beard): Portsdown, SU648065; 14 Jun 2006; BSBI group. 4 plants in grass at junction of footpath and road E of roundabout, SU6487 0654, with subsp. *minor*. **New tetrad.** Fort Road / Gilkicker Road / Spithead Close, SZ611981; 14 May 2006; JAN. 1 plant, S side of road, ligules as long as phyllaries. **New tetrad.** Elson, SU605022; 05 Jun 2005; JAN & DRA. Shore nr Monk's Walk, ligule = phyllary. **New tetrad.** This sub-species was not recorded in the Flora of Hants, but in fact records were collated (without details) for the Southampton area, Lymington and a scatter of other spots. It is now known from several sites in the Gosport / Fareham / Portsmouth area. This may reflect recorder bias, and it should be looked for elsewhere.

✿ *Trifolium glomeratum* (Clustered Clover): Millbrook, SU385130; 08 Jun 2006; MR & PAB. Grass bank on ribbon development, SU3853 1305 to SU3854 1304. locally abundant. **New tetrad.**

Trifolium hybridum (Alsike Clover): Sandhills, nr Lee-on-the-Solent, SZ576997; 26 Apr 2006; JAN, DRA & EJC. **1st in SZ59 since 1970.**

✿ *Trifolium scabrum* (Rough Clover): Alum Chine etc, SZ0790; 06 Apr 2005; RMW & JCw. **1st in SZ09 since 1930.**

Trifolium striatum (Knotted Clover): Car Park, Lansdown Road, Bournemouth, SZ094917; 22 May 2006; RMW. Car park which has not been tarmaced, SZ0946 9177. **1st in SZ09 for VC11.**

✿ *Trifolium suffocatum* (Suffocated Clover): Bargates etc, SZ1593; 01 Jul 2005; RMW. Christchurch Stn. **New tetrad.**

Tulipa saxatilis (Cretan Tulip): Peartree Green, Southampton, SU438118; 12 Apr 2005; PAB. On north edge of green at SU438119. Established garden throw-out. **New vice-county record.**

Vicia villosa (Fodder Vetch): Paulsgrove Pit, Portsdown, SU631066 and SU634066; 14 Jun 2006; BSBI group det. JPD. Scattered on the W slopes and the floor of the pit. **New tetrad.**

✿ *Viola lactea* (Pale Dog-violet): Fletchers Thorns, New Forest, SU278044; 18 May 2005; VS & AIH. 10 plants at SU2784 0446. **New tetrad.**

Viola x bavarica (V. *reichenbachiana* x *riviniana*): Sladford Copse, SU516211; 14 Apr 2006; MR. S edge of copse in some numbers, with both parents. Sepals with appendages of unequal length, even on same flower. Flowers rather pale but flushed darker towards base of petals, veined for c. 1/3 of length. Lower petal broader and larger than typical V. *reichenbachiana*, broad towards tip. Spur intermediate in colour between petal ground and flushing, rather stout, notched. Apparently completely male sterile with anthers curiously

flattened and no visible pollen even after squashing. **New vice-county record.**

✿ *Wahlenbergia hederacea* (Ivy-leaved Bellflower): Highland Water, New Forest, SU226062; 22 Jun 2005; VS & AIH. At SU22670621. **New tetrad.** W of Brinken Wood, Brockenhurst, SU272056; 20 Jul 2005; VS & AIH. At 27280567 2 patches on e bank and between SU27280568 and SU27280567 on w bank. Brinkenwood Lawn, SU272058; 20 Jul 2005; VS & AIH. At SU 27190582 6.5m x 2m on w bank, At SU 27210582 1 x 0.5m on e bank, at SU27200580 on e bank, at SU27220580 on collapsed e bank. Highland Water, Brinken Wood, New Forest, SU276059; 22 Jun 2005; VS & AIH. Approx 0.3 sq m at SU27680589. At SU27660592 and between SU27660590 and SU27660591. **New tetrad.**

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VC 12 records compiled by Tony Mundell

Here is another set of my personal selections from the records received recently. I would like to include a lower proportion of my own records, so please send yours in! As noted in previous issues, map references should be treated as approximate, and again I have omitted the 'SU' to save space. Publication of these records does not mean that public access is available – indeed in many cases it is not.

There are a few corrections to Flora News Spring 2006. I had a slip of the mouse when I typed *Azolla filicaulis* instead of *Azolla filiculoides*! One of the map references for *Lycopodiella inundata* recorded on 12 July 2005 gained an extra digit – it should read 83655805. Chris Hall pointed out that Fred Rumsey's 2005 record of *Oreopteris limbosperma* at Claycart Flash 85185267 was not a new site as he (Chris) had recorded it there on 17 Sep 2002. Note that the records that I list are not necessarily new sites. I always welcome updated information for 'know' sites of scarcer plants. Similarly Chris hoped that Peter Scott's estimate of "20 plants not yet flowering" of *Sanguisorba officinalis* at Hawley Meadows 862584 in 2005 was an underestimate as Chris counted 102 there on 29 Jul 2000 and 80 on 23 Jun 1997. I suspect this is simply because they are much harder to spot when not in flower.

In Flora News Autumn 2005 I included various curious alien plants that Paul Green had found during a visit to Longstock Park Nursery on 30 July 2005. This nursery imports plants from all over the world and evidently receives quite a few novel uninvited weeds with them in the soil. This year the nursery manager let Barry & Jane Goater survey the weeds growing on the gravel paths and those accompanying plants in pots. The eight species noted there by Paul were all refound, although one *may* have been mis-identified (see *Euphorbia*) but there were also a few extras (see *Amaranthus* and *Juncus*).

Achillea ptarmica (Sneezewort) In unimproved meadows E of Winston Avenue, Tadley 60936087, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006. In marshy ditch at Ridgemoor Farm 467598, Tony Mundell & Peter Billingham 20 Jun 2006. Few in wet meadow on Sydmonton Estate, N of Ridgemoor Farm 468600, Tony Mundell & Peter Billingham 20 Jun 2006. Large patch of over a square metre at Bentley Station Meadow BC Reserve 79384296, Tony Mundell 8 Jul 2006. 100+ plants spread over 5m x 2m area at 85495538, with several more nearby at 85495534, S of golf course, near Cove Brook, Tony Mundell & Antonia Hebbert 13 Jul 2006.

Alchemilla filicaulis ssp. *vestita* (Hairy Ladies-mantle) Cowdown Copse, East Oakley, 8 plants at track junction at 58375100 plus 15+ plants in localised patch on track at 58365098, all small plants, very few flowering, Tony Mundell & Audrey Moss-Bradnam 1 Jun 2006.

Amaranthus blitoides (Prostrate Pigweed) As a weed in a large pot with an Olive tree at Longstock Park Nursery 36713887, Barry & Jane Goater & Tony Mundell 13 Jul 2006, det. Martin Rand. Another species at the same nursery, possibly *A. thunbergii*, was too immature to be identified with certainty.

Anagallis arvensis ssp. *arvensis* forma *azurea* (Blue form of Scarlet Pimpernel) Several at Bramley Frith

Wood adjacent to electricity substation boundary fence 64315998, Tony Mundell 13 Jun 2006. One plant on arable edge beside Ox Drove, Ashmansworth 422580, Ginnie Copsey 6 Aug 2005.

Anagallis arvensis ssp. *arvensis* forma *lilacina* (Purple form of Scarlet Pimpernel) One plant on arable edge beside footpath from playing fields, Vernham Dean 347566, Ginnie Copsey 2 Sep 2005.

Anagallis arvensis ssp. *arvensis* forma *pallida* (Pale form of Scarlet Pimpernel) Patch with many flowers beside tarmac pull-off at Kingsley 7784377, opposite the well-known Tower Mustard site, first noted by Bill Helyar and photographed by Tony Mundell 23 May 2006.

Anthriscus caucalis (Bur Chervil) 100+ at top of roadside bank opposite farm building, Kingsley 77983777, Tony Mundell 23 May 2006.

Agrostemma githago (Corncockle) Magdalen Hill Down, North Extension, 2 small plants at 50962922, 4 small ones at 50972920 and one taller plant at 50812919, flowers all going over, shown to Tony Mundell by Martin Rand and Lynn Fomison, 14 Jul 2006.

Arabis glabra (Tower Mustard) Kingsley 77873777, 150 spikes mainly on end of the steep bank closest to the remaining brambles, but a few at top of other end of bank at 77893777, and 4 spikes nearby on roadside bank from 77963776 to 77993777; also refound at former site a mile further E beside same road with 35 spikes between 79643842 and 79663843; 38 spikes at former site at Linchborough, Woolmer 81393345; all Tony Mundell 23 May 2006.

Arabis hirsuta (Hairy Rockcress) East Tisted disused railway line, 36 flowering spikes at 69443119 plus another 71 nearby, Sue Clark 3 Jun 2006.

Arum italicum ssp. *italicum* (Italian Lords and Ladies) Near Greywell church, c.20 plants beside path at 71815092 to 71815091, Tony Mundell 9 Apr 2006.

Astragalus glycyphyllos (Wild Liquorice) Disused railway line at Worthy Down, 1 at 47983513, 5 at 47993512, 1 at 47983512, 3 at 47903543 and 1 at 47893547, not yet flowering, Tony Mundell 19 May 2006, all flowers over by 14 Jul 2006.

Atropa belladonna (Deadly Nightshade) Several robust plants in an area of cleared scrub at Stockbridge Down 374348, Ralph Cook & Maisie Lawrence 6 Jun 2006.

Bromopsis inermis (Hungarian Brome) Hogmoor Inclosure, scattered along 200m of roadside verge of Hogmoor Road, Bordon, from 78673456 to 78623475 with largest 9m x 1m patch at 78633466, Tony Mundell 10 Jul 2006.

Cardamine amara (Large Bittercress) Benyons Inclosure, Silchester, 200+ flowering plants at 62466330, plus 40+ at 6292633, (VC22 but Hampshire) both Bill Helyar 11 May 2006.

Cardamine heptaphylla (Pinnate Coralroot) Three large clumps in strip of woodland adjacent to public footpath close to S side of road between Kingsley and South Hay 77963909, Clive Carter & Peter Rollinson 5 Apr 2006, confirmed Tony Mundell 10 Apr 2006, a mass of very attractive pink flowers.

Cardamine pratensis (Cuckoo Flower) Hundreds growing along 300yd stretch of bank between ditch and track close to lake S of Tanner's Copse, Wyck, including quite a lot of the white flowering form at 76883906, Sue Clark 14 Apr 2006.

Carex arenaria (Sand Sedge) Dominant in large 6m x 6m patch, Bordon 79163691, Tony Mundell 15 Jul 2006.

Carex pallescens (Pale Sedge) In unimproved meadows E of Winston Avenue, Tadley 60906087, 61036092, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006. In several places in meadow clearings beneath electricity power lines at Bramley Frith Wood 64245987, 64626002, Tony Mundell 20 May 2006, with more found on 13 Jun 2006 at 64205982 and 64626003.

Carex rostrata (Bottle Sedge) Large patch in margin of Shortheath Pond 775369, Tony Mundell 2 Jun 2006.

Centaurea x moncktonii (*C. nigra* x *C. jacea*) Several with rayed flowers and outer phyllaries much less divided than *C. nigra*, Magdalen Hill Down, North Extension 50952920, shown to Tony Mundell by Martin Rand 14 Jul 2006.

Cephalanthera damsonium (White Helleborine) Disused railway line at Worthy Down 47963516, 25 spikes on small spoil heap beside disused platform, Tony Mundell 19 May 2006, where reported earlier by Michael Edwards.

Cerastium diffusum (Sea Mouse-ear) Disused railway line at Worthy Down 479351 on open area of compacted broken tarmac, gravel and disturbed soil adjacent to MOD fence, Tony Mundell 19 May 2006.

Fleet Pond dry heath 82365537, very locally plentiful in short turf near the railway, Chris Hall 17 May 2006.

Ceterach officinarum (Rusty-back Fern) Blackmoor Churchyard 780335, seven clumps on old wall to E of church, Tony Mundell, Bill & Chris Wain & Adam Carew, 15 May 2006.

Chara virgata (a Charophyte) Eelmoor Flash SU843528, Ian Ralphs 6 Aug 2004, det. Nick Stewart 19 Feb 2006.

Chara vulgaris var. *longibractea* (a Charophyte) New Pond, Lakeside Copse, Stoke Charity 49253935, Ian Ralphs 4 Oct 2004, det. Nick Stewart 19 Feb 2006.

Cheiranthus cheiri (Wallflower) Single plant on E side of B3349 near Odiham 737505, in hedge around the chalk pit, Sheila Bates 23 Apr 2006.

Cirsium dissectum (Meadow Thistle) Locally plentiful in several unimproved meadows E of Winston Avenue, Tadley 609608, 609607 and 608608, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006.

Clinopodium acinos (Basil Thyme) Disused railway line at Worthy Down 47963517 dozens scattered on open area of compacted broken tarmac, gravel and disturbed soil adjacent to MOD fence, Tony Mundell 19 May 2006.

Coeloglossum viride (Frog Orchid) On 12 Jul 2006 during the systematic count of Musk Orchids at particular areas of Noar Hill by Sue Clark, Tony Mundell, Dave Buckler and Pamela Lee, a log was also kept of the locations of Frog Orchids. 84 spikes were noted, much more thinly scattered than the Musk Orchids.

Crassula tillaea (Mossy Stonecrop) Several small patches at start of sandy track, Oakhanger 77313533, Tony Mundell 22 Mar 2006. Still thriving on sandy patch beside A325, N of Bordon at 800370, Tony Mundell 15 May 2006.

Crocus tommasinianus (Early Crocus) Crawley Churchyard 42453484, colony at edge of woodland on E side of church, Barry & Jane Goater 4 Mar 2006.

Cyclamen coum (Eastern Cyclamen) Winchfield churchyard 76725162, 230+ flowers, Barry & Jane Goater 7 Feb 2006. Crawley churchyard 42453484, colony at edge of woodland on E side of church, Barry & Jane Goater 4 Mar 2006.

Cynoglossum officinale (Hounds Tongue) A couple of small patches in an area of cleared scrub at Stockbridge Down 374348, Ralph Cook & Maisie Lawrence 6 Jun 2006.

Dactylorhiza maculata ssp. *ericetorum* (Heath Spotted Orchid) A fine display of 300 spikes in wet meadow on Sydmonton Estate, N of Ridgemoor Farm 468600, Tony Mundell & Peter Billingham 20 Jun 2006.

Dactylorhiza praetermissa (Southern Marsh Orchid) 20 spikes at Stannards View, Frith End, Bordon 81303929, David Graham 6 Jun 2006 (communicated with photo by Cllr. Adam Carew).

Daphne laureola (Spurge-laurel) Three plants in Wood Walk Plantation, Harewood Forest 432452, John Moon 5 Apr 2006. One large bush at field edge plus a smaller one nearby, close to Noar Hill 74523219, Tony Mundell 10 Mar 2006.

Daphne mezereum (Mezereum) Still present at Greywell Moors in woods close to River Whitewater, 24 flowering bushes scattered inside triangular area between 71875088, 71885092 and 71925088, Tony Mundell 9 Apr 2006.

Datura stramonium (Thorn-apple) Blackmoor Estate 738324, William Wolmer (spelling is correct!) May 2006 and also seen there in 2004.

Epipactis phyllanthos (Green-flowered Helleborine) Hollywater Road, Bordon, 805345, Phil Simpson 3 Aug 2005. Beside Hollywater Road, Bordon 805344 to 805346, 18 on E side and 16 on W side, Bill Wain Jul 2006.

Epipactis purpurata (Violet Helleborine) Several locations on north edge of Lasham Airfield: one plant with 12 stems on edge of derelict coppice at 67304379, one with four stems near edge of the coppice in short grass at 67364380, one with seven stems within the coppice at 67344382 and further plants at 67294381, 67344382 and 67354381, all Nick Hughes, confirmed by Tony Mundell from Nick's photos taken 9 Jul 2005 and 7 Nov 2005 and also recorded in 6743 by Peter Rollinson and ANHS in 2003 to 2005. Stony Brown, Monkwood 678309, many in woodland on S side of road, Phil Simpson 3 Aug 2005.

Eranthis hyemalis (Winter Aconite) Colony in woodland near a cottage, Leckford 388375; two large clumps, Longstock Park 367384; colony in woodland at entrance to Longstock Park Nurseries 365383; all Barry & Jane Goater 17 Feb 2006. Two patches in woods S of Northington Church 56453731, Tony Mundell 24 Mar 2006.

Erigeron annuus (Tall Fleabane) Longmoor disused airstrip 808314, single plant, Steve Povey Jul 1996,

searched for by Steve or others most years since, but not refound.

Euphorbia maculata (an alien Spurge) Quite a common weed in several of the larger flower pots at Longstock Park Nursery 366388, shown to Tony Mundell by Barry & Jane Goater 13 Jul 2006, det. as “most probably this” by Eric Clement who referred us to BSBI News 13, p.21 and its illustration on the cover. Some plants had spotted leaves and some did not. It seems likely that the plant recorded earlier as *Euphorbia thymifolia* by Paul Green at this nursery (see Flora News Autumn 2005) was really this, but Eric says the prostrate Euphorbias are a most puzzling group, with lots of variation and species limits not at all clear.

Fumaria densiflora (Dense-flowered Fumitory) At least 20 plants amongst much *F. parviflora* at Easton 51163007, shown to Tony Mundell by Martin Rand 14 Jul 2006.

Fumaria parviflora (Fine-leaved Fumitory) An amazing 150+ plants along headland strip at Easton 51123004 to 51203009, shown to Tony Mundell by Martin Rand 14 Jul 2006.

Galanthus elwesii (Greater Snowdrop) Leckford churchyard 374376, 18 flowers and some non-flowering shoots by SE corner of church, Barry & Jane Goater 17 Feb 2006

Geranium rotundifolium (Round-leaved Crane’s-bill) Locally plentiful beside the road at Kingsley 78033780, Tony Mundell 23 May 2006.

Glechoma hederacea (Pink form of Ground Ivy) A few pink flowered plants at side of path going towards metal gate at east end of Noar Hill 74533179, Sue Clark 14 Apr 2006.

Gymnadenia conopsea ssp. *densiflora* (Dense-flowered Fragrant Orchid) Mapledurwell Fen 677522, Phil Simpson 15 Jul 2005.

Helleborus foetidus (Stinking Hellebore) One plant in woods adjacent to Northington Church 56443732, Tony Mundell 24 Mar 2006.

Herminium monorchis (Musk Orchid) Using bamboo canes and string, particular areas at Noar Hill were marked off and systematic counts were made on 12 Jul 2006 by Sue Clark, Tony Mundell, Dave Buckler and Pamela Lee. GPS reading were taken to obtain distribution data. In summary a total of 2,939 spikes were counted in the areas surveyed, including an exceptional clump of 76 in an area of only a few square inches at 74143191.

Hordeum secalinum (Meadow Barley) Locally scattered in meadow near Cove Brook at 85515531, Tony Mundell & Antonia Hebbert 13 Jul 2006.

Hypericum androsaemum (Tutsan) Single plant in ditch E of Winston Avenue, Tadley 60916090, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006. At Bramley Frith Wood 64345993 in woods just S of electricity substation, Tony Mundell 20 May 2006.

Hypericum humifusum (Trailing St. John’s-wort) 20+ plants scattered along edge of electricity substation fence from 64366002 to 64506002.

Jasione montana (Sheep’s-bit) Hogmoor Inclosure, Bordon 79153473, only two flowering plants under power lines, Tony Mundell 8 Jul 2006.

Juncus ensifolius (an alien Rush) As a weed in a pot of *Iris pseudacorus* at Longstock Park Nursery 36773886, Barry & Jane Goater & Tony Mundell 13 Jul 2006, det. Martin Rand from photos. This curious plant is only a few inches tall with dark fruits rather like *J. articulatus* but flattened, sheathing leaves rather like a small *Iris* or *Sisyrinchium*.

Juniperus communis (Juniper) Two old specimens, one at 33455559 and one at 33495567, Kiblet Down, S of Vernham Dean, John Moon 25 May 2006.

Lathraea squamaria (Toothwort) 147 spikes on S side of road and 31 spikes on N side in deep sunken lane at Hartley Mauditt 752360, Adam Carew & Tony Mundell 15 May 2006, some on hazel but others apparently growing on roots of Field Maple or even on Ivy, virtually all in seed. Catherine Chatters had been to the same spot earlier on 3 April 2006 and had found only four spikes – this illustrates how quickly Toothwort springs up and then goes to seed.

Legousia hybrida (Venus’s Looking-glass) Few in headland strip at Easton 51163007 amongst much *Fumaria parviflora*, and *Anthemis cotula*, Tony Mundell 14 Jul 2006.

Legousia speculum-veneris (Large Venus’s Looking-glass) Three plants in unsown headland of parsley seed crop, Hook Lane, Wootton St. Lawrence c.571536, Ginnie Copsey 24 Jun 2006.

Leucojum aestivum (Summer Snowflake) Several clumps on verge of Kennels Lane, Farnborough c.840550, evidently a result of garden rubbish dumped some years ago, Dorothy Brookman April 2006.

Listera ovata (Twayblade) 100 spikes in Chawton Park Wood at c.696373, Alida Butcher 7 Jun 2006.

Lotus glaber (Narrow-leaved Bird's-foot-trefoil) Bramley Frith Wood, few at 64546003 in grassy strip close to Nature Study Centre and plentiful with 50+ plants at 64546008 in meadow E of electricity substation, Tony Mundell 20 May 2006.

Lysichiton americanus (Skunk Cabbage) Two flowering plants, Benyons Inclosure, Silchester 624633 (VC22 but Hampshire) Bill Helyar 11 May 2006.

Monotropa hypopitys ssp. *hypophegea* (Yellow Bird's-nest) Hogmoor Inclosure, Bordon 79153499, total of 170 spikes counted beside sandy tank-testing track and in adjacent woods around junction with smaller tank track, Tony Mundell 8 Jul 2006; small outlying colonies of 5 spikes on steep bank at 79143505 below another tank track and single spike at another track junction at 79203497, Tony Mundell 10 Jul 2006.

Myosotis laxa (Tufted Forget-me-not) In marshy ditch at field edge, Ridgemoor Farm 46685980, Tony Mundell & Peter Billingham 20 Jun 2006.

Myosotis ramosissima (Early Forget-me-not) Bramley Frith Wood, single plant (with much *M. discolor* nearby) in short turf at 64496018 E of electricity substation, Tony Mundell 20 May 2006.

Narcissus poeticus (Pheasant's-eye Daffodil) 6 at southern tip of Wood Walk Plantation, Harewood Forest 433452, John Moon 5 Apr 2006.

Narcissus pseudonarcissus (subspecies not determined as not yet in full flower) The Chase, near Woolton Hill; patches 8m x 8m and 15m x 3m at path junction at 44256304, patch 18m x 15m at 44286255 and patch 1m x 1m at 44086267, Tony Mundell 2 Mar 2006. (The sheets of zillions of Snowdrops in the latter area near the stream are worth seeing at this time!).

Narcissus pseudonarcissus ssp. *major* (Spanish Daffodil) Wood Walk Plantation, Harewood Forest 432452, 432453 & 433452, c.500 plants, 80% are double flowered, mixed with ssp. *pseudonarcissus* in this wood, John Moon 5 Apr 2006.

Narcissus pseudonarcissus ssp. *pseudonarcissus* (Wild Daffodil) 100+ plants at Bramley Frith Wood 642598 in open area beneath power lines, Tony Mundell 20 May 2006. Harewood Forest, 150 on W side of track between The Middleway and Hurstbourne Priors 42544474; 100 in copse E of track between The Middleway and Hurstbourne Priors 42804541; c.10,000 on both sides of track past Wood Walk Plantation, but predominantly in the plantation north of track 431453, 432452 & 432453, John Moon 5 Apr 2006.

Nymphoides peltata (Fringed Water-lily) Bramley Frith Wood, in pond at 64586022, naturalised but presumably originally introduced, Tony Mundell 20 May 2006.

Onoclea sensibilis (Sensitive Fern) Planted with other ferns beside stream at Ridgemoor Farm 46626004 but now well-naturalised and spreading alarmingly, Tony Mundell & Peter Billingham 20 Jun 2006.

Onopordon acanthium (Scotch Thistle) Several plants not yet flowering in an area of cleared scrub at Stockbridge Down 374348, Ralph Cook & Maisie Lawrence 6 Jun 2006.

Ophioglossum vulgatum (Adder's-tongue) Bramley Frith Wood in several places 64516001, 64506001 (large patch of over 60), 64546009, 64575997 and 64415994, Tony Mundell 20 May 2006. In old meadow by Nashes Lane 81405086, near Ewshot, Chris Hall, 15 Jun 2006.

Ophrys apifera (Bee Orchid) Bramley Frith Wood, single plant not yet in flower at 645602, Tony Mundell 20 May 2006.

Ophrys insectifera (Fly Orchid) 16 flowering in quite heavy dappled shade under 16 foot high Dogwood/Blackthorn/Hazel on disused railway at Tisted 69423112, Sue Clark 3 Jun 2006.

Orchis mascula (Early Purple Orchid) Abundant at Bramley Frith Wood, with total of 474 spikes counted in sample part of wood 642596, 643596, 642597 etc, Tony Mundell 20 May 2006. Several scattered at Kiblet Down, S of Vernham Dean, e.g. two at 33575565, one at 33615568, John Moon 25 May 2006.

Oreopteris limbospema (Lemon-scented Fern) Planted with other ferns beside stream at Ridgemoor Farm 46626004, only two small plants found amongst much *Onoclea sensibilis*, Tony Mundell & Peter Billingham 20 Jun 2006.

Ornithogalum nutans (Drooping Star-of-Bethlehem) c.400 flower spikes in 40yd stretch on roadbank just past Springfields nursery going towards Oakhanger 77043499, Sue Clark 14 Apr 2006.

Orobanche hederæ forma *monochroa* (Yellow form of Ivy Broomrape) Alresford 588325, last year's stems visible on the waste ground at the base of the wall at the entrance to the Station yard, on the right hand side next to some rubbish bins, Peter Etheridge 14 Mar 2006 (communicated by Debbie King of HWT – originally recorded simply as Ivy Broomrape but the yellow form is known to grow at this precise spot). Coincidentally there was also a record of 20 to 30 of the previous year's dead spikes at exactly the same spot

by Andy Barker on 7 Jan 2006.

Osmunda regalis (Royal Fern) Planted with other ferns beside stream at Ridgemoor Farm 46626004, only two small plants found amongst much *Onoclea sensibilis*, Tony Mundell & Peter Billingham 20 Jun 2006.

Ostrya carpinifolia (European Hop-hornbeam) Single tree beside barbed wire fence behind new top-soil/hardcore recycling plant on edge of Blackmoor Estate 78333238, amongst native vegetation but must originally have been planted, Tony Mundell 3 Jun 2006.

Papaver dubium ssp. *lecoqii* (Yellow-juiced Poppy) One unusually large plant as a tolerated weed in a garden at Husseys Lane, Lower Froyle, Sue Clark 7 Jun 2006.

Persicaria bistorta (Bistort) Beside Nashes Lane 81375069, near Ewshot, leaves only and almost overgrown Chris Hall, 15 Jun 2006. Locally abundant with hundreds of small non-flowering plants in grassland by old rifle range at 81245086 to 81245084, near Ewshot, Chris Hall, 15 Jun 2006.

Persicaria minor (Small Water-pepper) Hogmoor Inclosure, Bordon 79133472 to 79083464, plentiful (with *P. hydropiper* and *P. maculosa*) in dried-up pond bed but threatened by *Crassula helmsii*, Tony Mundell 8 Jul 2006.

Platanthera chlorantha (Greater Butterfly Orchid) Kiblet Down, S of Vernham Dean, one at 33465563, John Moon 25 May 2006. The Warren, Hawkley SU7328, Phil Simpson 22 Jun 2005.

Poa compressa (Flattened Meadow-grass) On dry bank beside pond, extending for three metres at Cove Radio Station near Eelmoor 83645348, Chris Hall 27 Jun 2006.

Polygonatum x hybridum (Garden Solomon's-seal) Disused railway line at Worthy Down, established and flowering well at 48013508, Tony Mundell 19 May 2006.

Polygonatum multiflorum (Solomon's-seal) Cowdown Copse, East Oakley, plentiful at 581509 in south half of wood and scattered plants at 583510, Tony Mundell & Audrey Moss-Bradnam 1 Jun 2006.

Polypogon monspeliensis (Annual Beard-grass) Elvetham Heath, 45+ plants on newly landscaped verge beside cycle track, Chris Hall 29 Jun 2006, det. Tony Mundell 10 Jul 2006.

Polystichum setiferum (Soft Shield Fern) Several where stream enters culvert beneath railway on Sydmonton Estate, N of Ridgemoor Farm 468601, Tony Mundell & Peter Billingham 20 Jun 2006.

Potentilla argentea (Hoary Cinquefoil) Single plant in short grass, Bordon 79203697, Tony Mundell 15 Jul 2006.

Potentilla x mixta (a hybrid Cinquefoil, *P. anglica* x *reptans*) In unimproved meadows E of Winston Avenue, Tadley 60916069, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006. Bramley Frith Wood in meadow beneath power lines at 64565997, Tony Mundell 13 Jun 2006.

Prunus x fruticans (the hybrid *P. domestica* x *spinosa*) Tree on western boundary of Bramley Frith Wood at 64205982 beneath power lines, twigs pubescent with very few spines and stones flattened, Tony Mundell 13 Jun 2006.

Prunus padus (Bird Cherry) Several on disused platform of disused railway line at Worthy Down 47973516 & 47963519, Tony Mundell 19 May 2006.

Pyrola minor (Lesser Wintergreen) Hogmoor Inclosure, Bordon 79153499, single non-flowering plant (amongst much *Monotropa hypopitys* ssp. *hypophegea*) at edge of tank track (surely there must be more nearby!), Tony Mundell 8 Jul 2006.

Ranunculus auricomus (Goldilocks Buttercup) In several places at Bramley Frith Wood, 64395956, 64615977 beside footpath and 64185966, Tony Mundell 20 May 2006. 50 plants on southern verge of Cattle Lane, Abbots Ann 33354385, John Moon 4 May 2006. In Chawton Park Woods 702362, Alida Butcher 10 May 2006.

Ranunculus ficaria var. 'Brazen Hussey' (The bronze leaf form of Celandine) A hundred or so plants along the top of a field under a tall hazel hedge, Selborne 744337, Steve Povey 2006, known since 1995.

Ranunculus lingua (Greater Spearwort) Bramley Frith Wood, established at 64425997 in pond, Tony Mundell 20 May 2006.

Rhinanthus minor ssp. *calcareus* (Yellow Rattle) Magdalen Hill Down, North Extension, several that key to this subspecies amongst spp. *minor* (and possibly ssp. *stenophyllus*?) at 50742920 to 50712920, shown to Tony Mundell by Martin Rand, 14 Jul 2006. Seed had been sown here including some collected from Salisbury Plain, a stronghold for ssp. *calcareus*.

Rosa agrestis (Small-leaved Sweet-briar) Tony Mundell provided Steve Povey with a detailed map showing all the pits at Noar Hill and Steve was able to mark the three spots where he recalled seeing it between

1985 and 1994. They are at c.74043193 (beside the pit known as the Switchback, close to Bottom Bank); c.74053190 (between the Switchback and Horseshoe Pit – this may be the currently known bush determined as *R. agrestis x caninina*); with his most recent record in 1994 at c.74263188 (known as Top Bank).

Sanguisorba officinalis (Great Burnet) Five spikes scattered across 3m x 3m area, S of golf course, near Cove Brook 85535555, Tony Mundell & Antonia Hebbert 13 Jul 2006.

Saxifraga granulata (Meadow Saxifrage) Blackmoor Churchyard 780335, five flower spikes all with double flowers just W of church, Tony Mundell, Bill & Chris Wain & Adam Carew, 15 May 2006. Kiblet Down, S of Vernham Dean, small patch at 33325553, John Moon 25 May 2006.

Saxifraga tridactylites (Rue-leaved Saxifrage) Disused railway line at Worthy Down 47963517 on open area of compacted broken tarmac, gravel and disturbed soil adjacent to MOD fence, only two plants, Tony Mundell 19 May 2006. 200+ plants on top of wall of the Swan Hotel, Station Road, Alresford 588325, Sue Clark 13 May 2006.

Scirpus sylvaticus (Wood Club-rush) Patch beside Oxney Stream, Bordon 79023766, Tony Mundell 15 Jul 2006.

Scutellaria minor (Lesser Skullcap) Few beneath *Molinia* tussock in unimproved meadows E of Winston Avenue, Tadley 60906086, Tony Mundell, Lee Morgan & Alan Albery 30 Jun 2006

Sedum telephium (Orpine) Bramley Frith Wood at 645602 in woods near pond, Tony Mundell 20 May 2006.

Silaum silaus (Pepper Saxifrage) 50 plants at Bentley Station Meadow BC Reserve 79404307, not yet flowering but many in bud, Tony Mundell 8 Jul 2006.

Soleirolia soleirolii (Mind-your-own-business) Patch 50cm x 50cm low down on brickwork of bridge at bottom of Duck Street, Abbots Ann 32884380, John Moon 4 May 2006.

Stachys officinalis (Betony) Kiblet Down, S of Vernham Dean, small patches near 33485560, John Moon 25 May 2006.

Stellaria pallida (Lesser Chickweed) Blackmoor Churchyard 780335, in area of very short grass SE of church, Tony Mundell, Bill & Chris Wain & Adam Carew, 15 May 2006.

Teesdalia nudicaulis (Shepherd's Cress) 20+ plants on sandy patch beside A325, N of Bordon at 800370, Tony Mundell 15 May 2006.

Teucrium botrys (Cut-leaved Germander) seven plants in field SE of Augurs Hill Copse 38124279, John Moon 15 Aug 2005. 13 plants at Little Park field between railway lines 329451, John Moon 7 Oct 2005, "but field appears to have been taken out of arable production so the outlook for various interesting species here looks a little bleak".

Tilia cordata (Small-leaved Lime) two trees at Benyons Inclosure, Silchester 629633 (VC22 but Hampshire) Bill Helyar 11 May 2006.

Trifolium medium (Zigzag Clover) Disused railway line at Worthy Down 47943525, 48003507 and 47913541, Tony Mundell 19 May 2006. Large patches at footpath junction S of East Worldham 74853686, with a few more on field edge at 74853694 and 74923663, Tony Mundell 19 Jun 2006. Several large patches at Bentley Station Meadow BC Reserve at 79354294, 79344284, 79364277 and 79394292, Tony Mundell 8 Jul 2006.

Trifolium ornithopodioides (Bird's-foot Clover) Numerous plants on sandy patch beside A325, N of Bordon at 800370, Tony Mundell 15 May 2006.

Trifolium striatum (Knotted Clover) Several plants scattered in short turf E of electricity substation at Bramley Frith Wood 64496018, Tony Mundell 20 May 2006.

Trifolium subterraneum (Burrowing Clover) Blackmoor Churchyard 780335, c.20 plants scattered on both sides of path leading to southern church door, extending between 8 and 15 yards south of door, Tony Mundell, Bill & Chris Wain & Adam Carew, 15 May 2006.

Ulmus glabra (Wych Elm) Cowdown Copse, East Oakley, one very large multi-trunked tree at 581509, Tony Mundell & Audrey Moss-Bradnam 1 Jun 2006.

Veronica peregrina (American Speedwell) First reported by Paul Green in 2005 and still plentiful as a weed along a damp gravel pathway at Longstock Park Nurseries 366388, Barry & Jane Goater 9 May 2006, conf. Martin Rand. Few plants in seed in same spot shown to Tony Mundell on 13 Jul 2006.

Veronica scutellata (Marsh Speedwell) In damp meadow, Ridgemoor Farm 46665978, Tony Mundell & Peter Billinghurst 20 Jun 2006. Hogmoor Inclosure, Bordon 79123472 to 79063463, abundant in dried-up pond bed but threatened by *Crassula helmsii*, Tony Mundell 8 Jul 2006.

Viola odorata var. *imberbis* (Sweet Violet) Grassy area outside Greywell Pumping Station 72255131, Tony Mundell 9 Apr 2006 (possibly Tony Mundell 9 Apr 2006. the commonest white variety with spur pinkish-purple and lateral petals not bearded – var. *dumetorum* has violet-purple spurs and bearded lateral petals)
Viscum album (Mistletoe) On mature Hawthorn tree beside boundary wall of Northington Church 56443733, Tony Mundell 24 Mar 2006.
Vulpia unilateralis (Mat-grass Fescue) Micheldever Spoil Heaps, one plant c.520447, Steve Povey & B. Middleton et al, Jul 2000.
XDactylodenia st-quintinii (Fragrant Orchid x Common Spotted Orchid) Single plant at Danebury 32553775, Graham Long and John E May, June 2006.

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