

Autumn 2007



**Hampshire &
Isle of Wight**

Flora News

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

Dear Flora Group Member,

The Flora Group committee members hope that you had an enjoyable time botanising this summer and we look forward to seeing you at some of the events planned for the rest of 2007 and early 2008.

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

There is normally no need to book a place on Flora Group events before hand, unless the text specifically requests it (for example the meeting in Dorset on 29 September). A contact 'phone number is only given in case you wish to know more about the event. The leader can be expected to turn up whatever the weather (although it may then be mutually agreed to cancel the event)!

If you would like to keep up to date with the events taking place in and around Hampshire, then why not join the species e-group? Hantsspecies is a discussion group for the various Hampshire Species Groups, which are co-ordinated by the Hampshire and Isle of Wight Wildlife Trust. For further information, or to join the group please email Hantsspecies@yahoo.co.uk

Saturday 29 September 2007, 10.30am – 4 pm
Duncliffe Wood (near Shaftesbury in Dorset)
Joint event with Dorset Flora Group and Dorset Natural History and Archaeology Society
Leader: Andrew Branson
Meet at 10.30am & park at grid reference ST 816 222

Duncliffe Wood, near Shaftesbury, is a 90ha ancient woodland site which was largely replanted with conifers, oak and beech in the 1950s and 1960s, although large areas of the original flora, including small-leaved lime, remain. Since the Woodland Trust acquired the site in 1984, the conifer component has been reduced and much progress has been made towards restoring the broadleaved woodland. One of the aims of the day is to help people to identify some of the more common mosses and liverworts that make up such an important component of our woodlands. We will also be looking out for ferns and any other plants that catch our eye. Bring a packed lunch if you intend to stay for the afternoon. The meeting will end at about 4 o'clock. All are welcome. Andrew Branson, who is a member of Hampshire Flora Group, will lead the event and will be pleased to help inexperienced wildflower enthusiasts with identification skills. Numbers will be limited so if you plan to attend please contact Andrew on 01747 838223 or via email at andrew@britishwildlife.com

Please include a telephone number in case of overbooking and weather problems. If you require a

written confirmation please enclose a stamped addressed envelope. Please do not bring your dog to this meeting.

Thursday 8 November 2007, 10.30am – 12.30pm
Conservation work party for *Filago lutescens*, Red-tipped Cudweed.
Leader: Tony Mundell

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

This is an annual event, but only takes a couple of hours. This year I am hoping for a little assistance from Plantlife and HWT, but please, please, come and help! The main aim is to disturb the sandy soil so that seeds of this very rare annual plant can germinate. A secondary aim is to remove encroaching scrub nearby. Some tools will be provided but bring stout gloves and a mattock or garden fork if you have one.

Contact: Tony Mundell 01252 614516.

Saturday 17 November 2007, 10.30am
Introduction to Mosses and Liverworts
Meet at Gilbert White Field Studies Centre in Selborne at SU 742335
Leader: Dr June Chatfield

June Chatfield has kindly offered to lead an all-day event in this biologically extremely rich part of the County to

introduce us to mosses and liverworts. The day will start at the Gilbert White Field Studies Centre which is at the top end of the public car park behind 'The Selborne Arms' in Selborne on the western side of the B3006. We will have a look at the wide variety of mosses growing along the Zig-Zag on Selborne Common and hope to study the interesting mosses and liverworts on the well head. Bring a hand lens if you have one and a packed lunch. Please note that donations will be requested from people attending this event, to contribute towards the cost of using the facilities at the Field Studies Centre.

**Saturday 8 December 2007, 2pm – 4.30pm
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. This is a splendid informal event for meeting others interested in Hampshire's wildflowers. A slide projector and a digital projector will be available, so please can you bring a few photos to show us (but only British plants and preferably species found in Hants!). If you don't wish to talk about your photos then please at least bring a few prints of photos (or pressed specimens) that you can put on the display tables – ideally annotated with where the photo was taken. Failing that bring a few biscuits etc and help us munch them! Testwood Lakes Centre is reached from Brunel Road, a turning off the A36 at a roundabout between Totton and Ower. After entering Brunel Road, look for a small turning on the left after the block of industrial units. Go along this track, ignoring the first (public) car park, until the Centre comes into view above the lake. There is plenty of parking there. Contact: Tony Mundell 01252 614516.

**Saturday 26 January 2007, 10am – 4pm
[Saturday 9 February 2007, 10am – 4pm]
Herbarium Workshop, Hampshire County Museums
Service, Winchester
Leader: Christine Taylor**

This meeting will give members a chance to learn herbarium pressing and mounting techniques, and to see how useful a public herbarium collection can be. The provisional programme for the day is as follows.

10am - 10.15am: Coffee and introductions.

10.15 - 10.45am: Why, what and how to collect. (Martin Rand)

10.45 – 12 noon: HCCMAS herbarium, types of plant material, storing and handling collections, introduction to mounting herbarium specimens. Making paper capsules.

12 noon – 12.30pm: Demonstration of pressing and drying, positioning, laying out and mounting plant specimens.

12.30pm – 1pm: Lunch (bring your own)

1pm - 3pm: Practical work – pressing and mounting specimens using a variety of techniques and different types of plant material.

3pm – 3.15pm: Coffee

3.15pm – 3.30pm: Introduction to plant database.

3.30 – 4pm: Where to get herbarium supplies, and round up session.

Because of restricted space in the museum collection, numbers will be strictly limited to 8 on a day. If there are enough people interested to overbook the first date, another session will be run on the second date. To book your place and receive directions, please contact Martin Rand by 'phone (023 8036 0395) or email (vc11recorder@hantsplants.org.uk) with as much advance notice as possible.

There will be a charge for this meeting. The full price (to be agreed, but it will not exceed £10) will cover refreshments during the day, a booklet 'Looking after Plant Collections', notes on what and how to collect, and a comprehensive set of materials to take away for mounting your own specimens. Alternatively £2 will cover refreshments during the day and the booklet and notes only. The fee is payable on the day but please let Martin know which option you require, as kits will need to be made up in advance.

**Saturday 31 May 2008, 10.30am – 4pm
Flora Group AGM and Visit to Fleet Pond
Meet at Fleet Pond Car Park SU825553
Leader: Tony Mundell/Colin Gray (Fleet Pond Society)**

The car park is accessed across a railway bridge off the A3013 at SU830555 and then driving west to the end of the bumpy track adjacent to the railway. Bring a packed lunch and suitable footwear for very wet marshy ground. Weather permitting we will spend the day slowly walking around the full perimeter of the pond and have permission to botanise in the adjacent grazed marshes normally closed to the public, which have a rich flora. Following our usual tradition, the (very brief!) AGM will be held al-fresco as we munch our sandwiches. Contact: Tony Mundell 01252 614516.

Advance notice for your diaries (full details in next Flora News)

**Saturday 5 July 2008, 10.30am – 4pm
Visit to Noar Hill
Meet on grass verge near Charity Farm at SU737321
Leader: Tony Mundell**

**Sunday 3 August 2008, 10.30am – 4pm
Joint meeting with Surrey Botanical Society to visit Bourley Bottom and Bricksbury Hill near Aldershot
Meet at car park off Bourley Road at SU831510
Leader: Tony Mundell**

Mapmate Workshop: advance notice

With the growing number of botanists using Mapmate in the county now, Martin Rand is planning to run a local course on getting the best out of this versatile but quite complex software. The course will be based on the national BSBI course for its recorders, developed by Bob Ellis and Martin.

The course is organised into two days, which can be taken separately. Day 1 covers the fundamentals of data entry, reporting, basic map generation, data exchange and data backup. The only prerequisite is a familiarity with using Windows software and the Windows user interface. Day 2 covers advanced mapping, the Mapmate data model and developing your own reports and custom data filters. It requires familiarity with the basics of Mapmate (as covered on Day 1) and an ability to assimilate some quite technical computer concepts.

Dates and venues are not yet fixed, but will be in the early part of 2008. If you are interested please contact Martin, letting him know which day(s) would be of interest. Martin can be contacted on 023 8036 0395 or via e-mail: vc11recorder@hantsplants.org.uk

Trip Reports

Visit to Wick Wood and Wick Hill Hanger on 5 May 2007 – a report by Tony Mundell

Thanks to the owners of these woods, Penny & Ted Raynor and Heather & Frank Tait, we had a great day. We saw several of the typical plants of the hangers such as Herb Paris (*Paris quadrifolia*) and Small-leaved Lime (*Tilia cordata*) plus lots of Early Purple Orchids (*Orchis mascula*). An impressive list was made of 215 species, including Wild Daffodil (*Narcissus pseudonarcissus*) Bitter Vetch (*Lathyrus linifolius*) and Toothwort (*Lathraea squamaria*). The ferns were well represented, and Martin Rand showed us the hybrid (*Dryopteris x deweveri*) between Broad Buckler and Narrow Buckler Fern. I suspect this is under-recorded so it was useful to have its characters pointed out. There was also a curious Scaly Male Fern (*Dryopteris affinis*) that did not seem to match any of the named subspecies (a collected frond is awaiting expert opinion).

The grassy rides and ditches on wet gault clay in Wick Wood also gave us Wood Club-rush (*Scirpus sylvaticus*), Opposite-leaved Golden-saxifrage (*Chrysosplenium oppositifolium*) and surprising quantities of Thin-spiked Wood Sedge (*Carex strigosa*). I also liked the attractive pink form of Bugle (*Ajuga reptans*) as I have a soft spot for flowers of the 'wrong' colour.

I showed the group a photograph that Heather Tait had provided of an impressive scarce lichen (*Usnea articulata*) that she had found earlier on a small branch that had fallen from a tall oak. One high point was meant

to be a couple of Tawny Owl chicks that Heather had put in a comical artificial nest made out of a shopping basket attached to a tree following their earlier kamikaze jump out of their original nest. Unfortunately they both repeated their kamikaze jump a few days before our visit, but from the shopping basket this time, so we did not see them. However the good news was that Heather told me later that she had seen them again and they were apparently still being fed by their parents.

One curiosity we did see was several plants of Giant Horsetail (*Equisetum telmateia*) with fruiting cones on the top of the leafy green stems. Like Common Horsetail (*Equisetum arvense*), Giant Horsetail normally produces its fruits direct from the ground. I showed a pressed specimen to Dr Fred Rumsey who says this only occurs very rarely.

Visit to Greywell Moors and Warnborough Green on 10 June 2007 – a report by Tony Mundell

Sixteen people attended this meeting and we were especially fortunate that this included Andrew Branson, as he formerly lived in Greywell and knew all the special plants in the area. I had advised wearing Wellington boots and, although the weather was splendid, as predicted some of the areas we botanised were very marshy. One member got a couple of really wet feet, filling her wellies up with water!

We started with a brief visit to Greywell Pumping Station, but only one of the many Marsh Helleborines (*Epipactis palustris*) was then in flower and of course we were much too early for the Dense-flowered Fragrant Orchid (*Gymnadenia conopsea* subsp. *densiflora*) that also grows there. Martin Rand collected and later identified a piece of the Hybrid Cinquefoil (*Potentilla x mixta*) that carpeted quite a large area.

The remarkably rich fen vegetation near the River Whitewater was then visited, with impressive displays of Southern Marsh Orchid (*Dactylorhiza praetermissa*), Red Rattle (*Pedicularis palustris*) abundant Marsh Fern (*Thelypteris palustris*), Bog-bean (*Menyanthes trifoliata*) and Marsh Valerian (*Valeriana dioica*). We also saw an impressive list of sedges including Bottle Sedge (*Carex rostrata*), Long-stalked Yellow Sedge (*C. viridula* subsp. *brachyrrhyncha*) and Brown Sedge (*C. disticha*). Best of all, Andrew Branson showed us the rare Lesser Tussock Sedge (*C. diandra*) as well as the rare hybrid between Tawny Sedge (*C. hostiana*) and Long-stalked Yellow Sedge. Many years ago this area was the only site in Britain where the extremely rare Slender Cotton Grass (*Eriophorum gracile*) and Broad-leaved Cotton Grass (*E. latifolium*) could both be seen, but despite splendid recent management work only the Common Cotton Grass (*Eriophorum angustifolium*) can now be found.

We then walked via the Basingstoke Canal to Warnborough Green where more exciting treasures were found. The hands & knees brigade found small plants like Flat Sedge (*Blysmus compressus*), Bristle

Club-rush (*Isolepis setacea*) and Round-fruited Rush (*Juncus compressus*). I was delighted when John Norton recognised the leaves of Strawberry Clover (*Trifolium fragiferum*) which I recall seeing there in flower about 20 years ago. This may be quite common in South Hampshire but it is a rarity in VC12.

However, it was the orchids that really stole the day at Warnborough Green. Amongst lots of Southern Marsh Orchids (*Dactylorhiza praetermissa*) we soon started finding Early Marsh Orchids (*D. incarnata* subsp. *incarnata*) so I set the task of finding the hybrid between them. Tony Blunden found the most convincing (to me!) candidate which was initially confirmed by photos sent to Orchid expert David Lang, but subsequently the BSBI Dactylorhiza Referee, Dr A. Ian Denholm, re-determined the photos as within the range of variation of Southern Marsh Orchid. If this rare hybrid does occur in Hants then this is a likely place for it. Apparently we need to look for a plant with the flat 'kite' lip shape of Southern Marsh but the bold full markings of Early Marsh Orchid (not the other way around as I had thought!).

We also puzzled over another well-photographed slender plant that seemed to have some of the characters of Narrow-leaved Marsh Orchid (*D. traunsteineri*) but photos were determined by Ian Denholm as the hybrid (*Dactylorhiza x grandis*) between Southern Marsh Orchid and Common Spotted Orchid, potentially with further introgression. We also saw more typical robust examples of this hybrid there but, as with many orchid hybrids, the flowers are very variable.

After paying our respects to the large trees there of the rare Black Poplar (*Populus nigra*) we completed the circuit via footpaths to the Pumping Station. Martin Rand pointed out the more pinnate-leaved variety of Hogweed (*Heracleum sphondylium* var. *angustifolium*) and I have since realised that this is pretty widespread but seems to grade from extreme examples all the way to ones with 'normal' leaves. I noted a few more plants en-route including stately Scotch Thistles (*Onopordon acanthium*) and John Stanley photographed a Broomrape (*Orobanche minor*).

Trip to Hook-with-Warsash on 27 June 2007 - a report by Martin Rand

Seven stalwarts gathered outside Warsash church in the driving rain, and were soon rewarded by clearing skies and a beautiful evening. Numbers swelled to nine as Neil Sanderson and Andy Cross disentangled themselves from the congestion on the M27.

The party set off through the woodlands east of Newtown, where they were able to admire surviving stands of English Elm (*Ulmus procera*) and Wych Elm (*Ulmus glabra*). Ferns were luxuriating in the wet conditions; of particular note were a form of Lady Fern (*Athyrium filix-femina*) with finely dissected leaves, and abundant Soft Shield-fern (*Polystichum setiferum*). (On the return leg, the leader collected a 'trophy frond' of Golden-scaled Male Fern 180cm tall. This turned out, not too surprisingly, to be *Dryopteris affinis* subsp. *affinis*.) On drier ground in the wood there was a chance to admire

Southern Woodrush (*Luzula forsteri*) and quantities of Climbing Corydalis (*Ceratocarpus claviculata*).

On reaching the coast, shingle plants like Sea-kale (*Crambe maritima*) could be seen in spectacular abundance, but grasses became the order of the day. Grassland at the end of Hook Lake produced a nice little stand of Meadow Barley (*Hordeum secalinum*), and amongst the abundant Sea Couch (*Elytrigia atherica*) there was a patch of curiously empty spikes that was soon proposed as candidate for the sterile hybrid *Elytrigia x drucei* – confirmed by later examination of the anthers and pollen. Unfortunately restrictions for nesting birds prevented us visiting the one patch of Sand Couch (*Elytrigia juncea*) in this area. In brackish patches at the back of the shingle the group felt confident they had also identified the saltmarsh-specific subspecies of Red Fescue, *Festuca rubra* subsp. *litoralis*. In seepage areas behind Hook Spit and the sea-wall leading to Warsash three species of Puccinellia were found: Common Saltmarsh-grass (*P. maritima*), Stiff Saltmarsh-grass (*P. rupestris*) and Borrer's Saltmarsh-grass (*P. fasciculata*). Also much in evidence, with anthers showing prominently, were the spikes of Hard-grass (*Parapholis strigosa*). Neil's eagle eyes spotted Slender Hare's-ear (*Bupleurum tenuissimum*) in its non-flowering state, and there was a fair variety of other brackish marsh species to be seen. We returned across the grasslands of Hook Park, which seemed to be recovering from their earlier 'improvement' and developing into a quite nice if undramatic community (MG5c for the Rodwell-initiated). In the gathering dusk a few enthusiasts went to pay their respects to Warsash churchyard, one of the outstanding churchyard sites in the county, with habitat ranging from heath to calcareous grassland.

Trip to Butser Hill on 1 July 2007 – a report by Martin Rand

What's the record for the smallest Flora Group meeting ever? As the leader and his one supporter left the Butser Hill car park ten minutes after start time, it seemed likely that it was about to be broken, never to be surpassed. But we were soon joined by Andrew Branson and Peter Billingham. Evidently Butser appeals to the far-flung.

Much of this National Nature Reserve is chalk turf at its most classic and CG2iest, and the great expanses in superb condition complement the spectacular scenery of this highest point on the South Downs. There are few flowering-plant rarities here, but that seems unimportant when one is confronted with such a profuse dappling of the characteristic downland flowers: tens of thousands of Rough Hawkbit (*Leontodon hispidus*) waving in the breeze, vivid patches of Wild Thyme (*Thymus polytrichus*), mats of Squinancywort (*Asperula cynanchica*) and Upright Hedge-bedstraw (*Galium mollugo* subsp. *erectum*).

Eyebrights were a prominent feature, and the leader was soon scampering from ant-hill to rabbit-scraps comparing populations. The Chalk Eyebright (*Euphrasia pseudokernerii*) is well-known here but its main flowering season starts a month later. Nevertheless a couple of fairly convincing plants were found and were already setting seed, showing the distinctive relatively short

capsules. However the species in great abundance was the Common Eyebright (*Euphrasia nemorosa*) showing considerable variation. Some populations had small flowers with flexuous, wiry stems branching from the bottom and were suspected of being *E. nemorosa* x *confusa*. Most strikingly, at a few spots there were robust, rather large-flowered plants with large, rounded bracts, but rectangular fruiting capsules. These looked most like a hybrid between *E. arctica* and *E. nemorosa*. If this is confirmed, it will be a very interesting phenomenon. *E. arctica* has previously only been recorded in Hampshire in calcareous fens. However it occurs, often as the commonest species, in limestone dales in the Peak District that look remarkably like Rake Bottom and have some botanical similarities.

With two bryologists in the group, progress around Rake Bottom was slow and supine, and we spent much of the first two hours happily covering little more than 300 yards. June may have been unkind to botanists but it had done the bryophytes no harm. Amongst the widespread and characteristic mosses of chalk downland we were able to find some of the localised and distinctive species including *Hylocomium splendens*, *Fissidens dubius*, *Porella arboris-vitae* (put to the "taste test") and *Scapania aspera*. A possible *Plagiochila porelloides* awaits confirmation, and the lichen *Cladonia rangiformis* showed well in the damp grass.

At lunchtime a violent and drenching squall drove us back to our cars for a steamy lunch, but in the afternoon we headed off to the eastern quarters of the hill. The head of the combe facing down to Rakefield didn't detain us long, although the steep sides of the valley are little visited and may deserve a longer session. Our final stopping place was on the banks of the old trackways running eastwards off the hill towards the modern A3. Here, amongst other mosses enjoying the allegedly sun-baked southern aspect such as *Homalothecium lutescens*, we were able to find the rare *Pleurochaete squarrosa* in its only Hampshire site.

News and Views

Wiltshire Rare Plant Register by Sharon Pilkington

This is the latest in the BSBI's series of county rare plant registers, and is a double version, covering North and South Wiltshire (Watsonian vice-counties 7 and 8). It provides an insight into the current status and distribution of Wiltshire's notable vascular plants, and will be of interest to statutory agencies, conservation organisations, local authorities, major landowners and land managers, environmental consultants and professional and amateur botanists.

275 taxa have been identified according to strict criteria of national and local rarity and threat. Other notable

taxa that have been included are plants of international importance, UK BAP species and species listed on Schedule 8 of the Wildlife & Countryside Act.

The status of each one is given in terms of lists of records (generally 4-figure or 6-figure grid references) or distribution maps. It is 136 printed pages, A4 paperback. It includes:

- introductory sections covering species selection criteria, and linking some of the main habitats of Wiltshire to particular notables;
- maps of Wiltshire showing key locations and SSSIs;
- 38 distribution maps;
- 30 colour photographs.



Price £12 plus P&P from Summerfield Books, The Arches, Main Street, Brough, Cumbria, CA17 4AX. Tel 017683 41577. www.summerfieldbooks.com.

A 'Guide to Woodland and Scrub in the New Forest' – a note by Rob Lynch

Last year I started work on a 'Guide to Woodland and Scrub in the New Forest' area, which will be finished in 2009. The aims of this project are to produce a resource for people visiting the New Forest or who work and/or own woodland in the New Forest.

A website has been set up, <http://newforestwoodland.org.uk>, which will be home to the guide when it is finished. Before that it will be used to post updates on the progress of the project along with draft community descriptions and analysis. What would be very helpful is any comments and viewpoints on what is posted. Also any thoughts you might have on woodland in the New Forest, its distribution, ecology, transitions and floristic composition. Last year was a 'getting to know the vegetation and dusting off rusty survey skills' with 29 samples collected from Birch, Ash and Wet woodland. This year I will again concentrate on these woodland types and anticipate having most variations sampled.

So far in Birch and Ash woodland some woodland communities are emerging. In Birch woodland there are three communities that follow a gradient in relation to soil moisture content with *Betula/Pteridium* on the driest soils and *Betula/Sphagnum* on saturated soils. *Betula/Scleropodium* sits in-between these two. A possible fourth community, *Betula/Molinia* will be sampled in 2007. In Ash woodland there are four communities that can be divided into two different habitats. *Fraxinus/C. lutetiana* and *Fraxinus/D. cespitosa* on flushed clay soils whilst *Fraxinus/Anemone* and *Fraxinus/Poa* are found by streamsides on alluvium soils which are briefly inundated in winter. The last two may converge into one community after further sampling. There are a further four variations in Ash woodland to be sampled in 2007. There are brief descriptions and images of these communities on the website.

For a very basic impression of how the Guide will look when it is finished you can visit the 'Guide to Vegetation of the Ballyhoura Mountains' at <http://roblynch.users.btopenworld.com>. Of most relevance there is the interactive 'Woodland Key' that uses a checklist of indicator species to identify woodland from a plant list written whilst visiting a wood. I would be very pleased to hear from interested parties and members of the Flora Group for their views on any aspects of the survey or woodland in general. I can be contacted on 023 8089 4505. <http://newforestwoodland.org.uk>

Index to Flora News

Natalie Rogers (Assistant Biodiversity Information Officer at H&loWWT) has very helpfully compiled an index to all past editions of Flora News. If you would like a copy of the index, which goes back as far as 1991, please contact Natalie at natalier@hwt.org.uk or 'phone her on 01489 7744406.

Clarke's Andover List – an article by David Allen

A List of the Flowering Plants, Ferns, and Mosses Collected in the Immediate Neighbourhood of Andover was published in 1866, getting on for a century and a half ago now. It is remarkable among British local 'Floras' – if it is permissible to class it as one – for four things : it was priced at only threepence (despite covering 667 species in 114 pages, with a coloured map of the district's physical geography thrown in for good measure); it was printed and published overseas, in Calcutta, a practice quite unheard-of (which perhaps accounts for that giveaway price); it includes descriptions of certain critical species; and it attracted an eight-page review of almost unbelievable venom, in the *Journal of Botany*, from no less a person than H C Watson (apparently for no better reason than the author had dared to make a critical comment about Cybele Britannica, the pride and joy of that notoriously aggressive and ultra-prickly individual).

Charles Brown Clarke (1832 – 1906) was the son of a corn merchant in Andover. As one of his grandmothers as well as two uncles had a keen interest in botany by the time he was born, one might have expected the List to have been the product of his schooldays or at any rate student vacations. In fact, though, as he states in the introduction, the fieldwork was carried out in 1858-65, when he was well into his twenties. By that time he was on the first rung of the academic ladder as a lecturer in mathematics at Cambridge University, where he had graduated in 1856 with sufficient brilliance to have gained a much-coveted college fellowship. He was thus entirely accurate in describing the List as a result of just "occasional visits", back to see his family and boyhood friends, at a period when he had more than enough time to be deeply influenced by that botanical mentor to generations of Cambridge students, Charles Babington, and like so many others been persuaded by the latter of the special value of intensive studies of the flora of limited areas.

The area in this case was the stretch of country "nearly

entirely" within five miles of Andover (though with some overspill towards the ten-mile limit). As Clarke is said to have been a tireless walker, that radius doubtless corresponded to the distance he could comfortably manage on foot while unhurriedly investigating and noting every species of any interest. Had he used a horse or a pony-trap, he would surely have roamed a-field considerably further. With the possible exception of John Goodyer, therefore, he was probably the first Hampshire botanist to work one of the county's districts with reasonable thoroughness – for so impressive is the large number of place names that feature in the List that it must constitute an invaluable datum-line against which present-day records can be assessed. What is more, he was careful to keep a voucher specimen of "nearly every critical and rare plant contained in the List", submitting at least some of the critical ones to leading specialists of that period. Unfortunately, though, he donated (or sold) his herbarium of British plants to the Conservatoire Botanique in Geneva at some later date, and that is a long way to have to travel in order to check or update determinations – to say nothing of the considerable trouble to which the Swiss staff would have to be put in looking out specimens for loan or doing any checking vicariously.

Not the least impressive feature of the List from the scientific point of view are the descriptions of over twenty *Rubus* taxa appended at the end. That group was then enjoying its first spell in fashion in Britain, thanks to the proselytising of Edwin Lees and Babington (whose initial monograph had appeared in 1846). Clarke had clearly devoted a lot of attention to discriminating the local entities and from "one typical plant" noted what he took to be the chief points of distinction in every case "where I have found certain forms to maintain a uniform character throughout the district". Even more laudably, he also attempted to put names to them in the first instance unaided, using Babington's (unfortunately misconceived) classification as the basis.

At that period the occurrence of abnormal reproductive systems in many groups of North Temperate plants was still unsuspected, and most botanists clung to the traditional belief that nature was entirely made up of units of a more or less uniformly broad distinctness. Those who had begun scrutinising the flora with more than ordinary closeness and were finding puzzling exceptions to that picture were widely attacked for hair-splitting when they felt obliged to accord taxonomic recognition to the increasingly numerous narrower entities that they found it possible to recognise consistently. Even they, though, could not bring themselves to believe that in certain groups the number of those entities was anything like as great as would gradually become apparent, and at any rate in Britain their classification long remained impracticably over-broad.

When I first came across Clarke's descriptions, over thirty years ago now, I did my best to visualise from then which of the more widespread brambles of the Andover area were intended; in most cases, however, there was not enough to go on – for insufficient importance was attached to the floral characters in those days – and

even if there was, the determination could only be a 'best guess' in the absence of specimens. Tantalised, I searched for those with disappointingly slight success for many years. The mere handful that turned up in the principal British herbaria appeared to be duplicates that Clarke had sent to fellow collectors, and those did no more than confirm the most confident of my guesses. In desperation, I even tried Geneva. A request on my behalf by the Natural History Museum brought me only a single specimen, however, and when I later found myself in that city in another connection and was able to make a search of my own, that produced only one further. At that point I gave up.

One day, many years later, one of the staff at Kew mentioned that he had spotted a cupboard labelled "Rubus large sheets" in a part of the Herbarium far removed from the bay where the British Isles collection is kept, supposedly in its entirety – and to which I had invariably been conducted on numerous past visits. It transpired that J G Baker, in specialising in the group from the 1860s onwards, had used such outside sheets in order to accommodate both a flowering spray and a portion of the barren first-year stem plus a leaf – which jointly constitute 'a specimen' for *Rubus* purposes – that they had to be consigned to a special set of shelves deep enough to fit them. And, lo and behold, it was to Baker that Clarke turned out to have handed over the majority of the Andover specimens to make of them what he in turn could. Two of them proved to be exciting surprises. At Upper Appleshaw Clarke had collected *R. cantiamus*, a speciality of the clay-with-flints in Kent, the Chilterns and along the Hampshire-Wiltshire border that had to wait until 1932 to be discriminated and given a name; and in Harewood Forest he had found *R. scabripes*, which had been added from there to the county list only in 2000, just two years before that final unearthing of his specimen.

Clarke's combing of the Andover district was sadly short-lived. In 1865, presumably seeing no future as an Oxbridge don for someone like him without substantial private means – and possibly also because a passion for botany had smothered his taste for mathematics – he took ship for India, with the manuscript of his List evidently in his baggage. Thereafter he spent the rest of his career teaching in and later inspecting schools there (except for a three-year stint on secondment as Acting Director of Calcutta Botanic Garden). And it was at Kew, not Andover, that he chose to retire to live, with a fellow bachelor brother, in order to collaborate with J D Hooker on the massive government-sponsored *Flora Indica*, in his capacity by then as one of the greatest living authorities on the plants of the subcontinent. Residence in the London area also facilitated heavy involvement in the Linnean Society, of which he was eventually to be elected President.

His family in Andover nevertheless received periodic visits from him – but by an unlikely means for a man in his seventies: by cycling all the way from London and back again! It was a miracle that he survived each trip, for his machine was without a lamp, a bell or even a brake: once on, he was incapable of stopping, one of

his obituarists recorded, nor could he look round, raise a hand from the handlebars or get on or off on the level. In the end he overdid things, and brought on the illness that culminated in his death; but one cannot but think that that was the way he would have preferred to go.

Determining the taxonomic status of *Gladiolus illyricus* in the UK - a note by Aeron Buchanan

In 1855 the first recorded sighting of *Gladiolus illyricus* (Wild Gladiolus) in the British Isles was made. How long this Mediterranean plant has actually been here in the UK is one of the many questions surrounding the mysterious *G. illyricus* waiting to be answered.

Since 1855, presumed native populations of *G. illyricus* have never been seen outside Hampshire and the Isle of Wight. It is now only found in the New Forest and its numbers appear to be declining. Therefore, it is becoming ever more important to be able to answer questions about its appearance and continuing survival here.

Based in the Natural History Museum, I am currently working on a three month investigation to help determine how *G. illyricus* is related to its sisters (or is it cousins?) on the continent and hence inform the editors of the Red Data List in setting its conservation status (it is currently Schedule 8, but on the 'waiting list').

I braved possibly the wettest June weekend on record to tour the New Forest on my bicycle, carefully collecting leaf samples under licence. Back in the laboratory, I am using the collected specimens, along with samples taken, with kind permission, from Reading University Herbarium, to extract DNA and obtain genetic 'fingerprints' for about a hundred individuals: half from the New Forest and about half from around the Mediterranean. Analysis of this genetic data, augmented with morphological information from the full plants, should uncover at least some of the relationships between the plants here and those on the continent.

While this short study will not be able to deduce the full natural history of *G. illyricus* in Britain, it will shed more light on the biological, taxonomic and conservational significance of this important little flower.

(Note from Martin Rand: as *Gladiolus illyricus* is a plant listed under Schedule 8 of the Wildlife and Countryside Act 1981, collecting of any part of the plant, however small, requires a licence from Natural England such as Aeron obtained for this project. It's also worth mentioning that Aeron's attempts to locate extant populations in northern and north central France where they have been recorded in the past drew a blank. As these plants seem to be ecologically closest to the British populations, and may also be genetically the closest, the case for conservation in the New Forest may become all the stronger.)

Restoration of Marsh Clubmoss at The Slab, Bordon – a note by Tony Mundell

Marsh Clubmoss (*Lycopodiella inundata*) is a rare plant, classified as Nationally Endangered in the latest (2005) Red Data List. It is seriously declining in many of its sites in southern England and because of this Plantlife arranged a conference held in October 2006, to review its plight in several southern counties. One outcome of this was that Plantlife subsequently secured funding for some habitat restoration works in spring 2007 from DEFRA and Natural England.

In all, work was carried out at eight sites. Three were in North Hampshire on MOD land, and of these, two were at The Slab, Bordon and one at Crookham Common, near Aldershot.

At one of the two sites at The Slab, the populations had declined to a few plants just hanging on, very thinly distributed in a tiny area only a metre across. Marsh Clubmoss needs bare, wet peaty areas to colonise, and this particular spot had become covered in Purple Moor Grass and various rushes. At the other site at The Slab invading conifers had shaded out the Marsh Clubmoss, although some of its associated bog species were still present, including Round-leaved Sundew (*Drosera rotundifolia*), Oblong-leaved Sundew (*Drosera intermedia*) and White-beaked Sedge (*Rhynchospora alba*).

With the agreement of MOD, obtained through the MOD Longmoor Conservation Group, contractors were hired by Plantlife to remove the young conifers at one of the Slab sites, and a JCB was subsequently used at both these sites to recreate the bare peat scrapes that Marsh Clubmoss needs. The patch of surviving plants was marked so that the JCB could work close up to it, providing suitable habitat for its spread. It will probably take several years for this to happen, but a few of both species of Sundew have already started colonising the exposed wet peat.



Practical work being carried out to encourage marsh clubmoss by Tony Mundell

New and Interesting Plants for Gosport (so far in 2007) – an article by John Norton and Debbie Allan

The warm and dry March did not bode well for the BSBI meeting to Browdown Ranges and Gilkicker that Martin Rand had organised for 2nd June. By mid-April most of the coastal acid grassland and vegetated shingle, which we were particularly keen to look at, had browned-off. Therefore it was with some relief during our reconnaissance trip with Martin and Ginny Copsey on 26th May (and following some recent rain – at that time very welcome) that we managed to find most of the coastal clovers and other species of interest that we were hoping to see the following weekend. However, the unexpected highlight of the day was stumbling across a colony of Smooth Cat's-ear *Hypochaeris glabra* at Browdown, a species which had previously been seen there in 1989 by Eric Clement and Ted Pratt and which we had searched for on numerous occasions without success. We returned a few days later for a wider search, and managed to find another colony about 300m away, this location more closely corresponding to the grid reference for the original record. These colonies numbered 117 and 11 plants respectively, including many non-flowering rosettes. The photo illustrates the tiny size of the flowers (<10mm across) in comparison with Common Cat's-ear *H. radicata* (also note the smooth leaves with marginal hairs and the elongated fruiting head). Also at the second colony we found numerous plants of Small Cudweed *Filago minima*, another apparently erratic or overlooked species in Gosport which we had only recorded once before, from the Alver Valley.



Common Cat's-ear *Hypochaeris radicata* next to plant of Smooth Cat's-ear *H. glabra*, Browdown, 2 June 2007 by John Norton

The BSBI trip itself was rewarded with fine weather and enthusiastic participants. Martin has prepared a write-up to appear in BSBI News in due course. The Starry Clover *Trifolium stellatum* at the western end of Browdown had in fact only just got going and although much of the Early Medick *Medicago praecox* on the nearby beach had long since died back, several plants were still flowering and fruiting. We also managed to find a little bit of Toothed Medick *M. polymorpha* here. We added another 109 plants of *Hypochaeris glabra* on the acid grassland near the firing range and also managed to find Spring Vetch *Vicia lathyroides* still in flower and the dead remains of Shepherd's Cress *Teesdalia nudicaulis*. At the eastern end of the site we saw Brookweed *Samolus valerandi* in the

inundated brackish grassland and one of Browdown's two main specialities: Little-robin *Geranium purpureum* on the shingle beach (the other – Nottingham Catchfly *Silene nutans* – being abundant across the whole site). Also on the shingle we found rosettes of Moth Mullein *Verbascum blattaria* and a few plants of Spear-leaved Willow-herb *Epilobium lanceolatum*, both identified with the help of John Poland and Eric Clement.

At Gilkicker, we saw more clovers and shingle plants, and also looked at the marshy areas for the surviving colony of Saw-sedge *Cladium mariscus* (one of only six or seven in Hampshire), along with Distant Sedge *Carex distans*, Dotted Sedge *C. punctata*, Long-bracted Sedge *C. extensa*, Slender Spike-rush *Eleocharis uniglumis* and a sward of Divided Sedge *Carex divisa*. The small colony of Heath Pearlwort *Sagina subulata* on the beach, first found last year, was still thriving and near here we found a small *Bromus* which we thought at the time may have been one of the subspecies of Soft-brome *B. hordeaceus* but now suspect may be Slender Soft-brome *Bromus lepidus*, though this has still to be confirmed. On the acid grassland east of the fort we saw a fine show of Sheep's-bit *Jasione montana* and another surprising 'new for Gosport' found during the reconnaissance trip – a single plant of Wavy Hair-grass *Deschampsia flexuosa* (i.e. surprising in the sense that we had not seen this species before, considering that Gosport has good amounts of heathland and acid grassland). Martin also found some possible hybrid Foxtail *Alopecurus bulbosus x geniculatus*, perhaps indicating that Bulbous Foxtail was also present nearby (having previously been recorded for the Stokes Bay area by Lady Anne Brewis in 1947).



Ivy Broomrape *Orobanchae hederaceae*, Fort Road, Gilkicker, 28 June 2007 by John Norton

There are two further plants of interest to report in late June, both for the Gilkicker area. A local naturalist, David Tinling, who walks the area on a daily basis, told us that he had bumped in to someone with a plant book in hand pondering over the identity of a strange plant on the acid grassland east of the fort. They had decided that the closest match was Sticky Catchfly *Lychnis viscaria*. Realising that this could not have been possible, but that it must have been something of interest, Debbie and I went to investigate. Apparently, this person had noticed the plants growing there for a few years. Our first visit was cut short by rain, but as we were approaching the

fort access road Debbie spotted a colony of a broomrape growing out of a large patch of ivy by the side of the road – of course this was Ivy Broomrape *Orobanchae hederaceae* and another new (or so we thought) species for Gosport.

On our second attempt for the mystery species a few days later, and armed with detailed directions from David, we managed to find the plants and identify them as Small-flowered Catchfly *Silene gallica* (a form with pinkish flowers), with about 15 plants present and looking very 'at home' and native in the short turf with the *Jasione*. Although two tetrads have been mapped for Gosport as old records in Flora of Hampshire, the only reference we can find is from Rayner's supplement to Townsend's flora: 'Several specimens on military ground at Gosport in 1904-5, but none since'. It is quite surprising that neither Eric or ourselves had noticed these plants before, and that twenty-five or so botanists had walked past them only three weeks earlier during the BSBI meeting!



Small-flowered Catchfly *Silene gallica*, Gilkicker Point, 28 June 2007 by John Norton

As a footnote, we later showed David Tinling the Ivy Broomrape, and he reminded us that he had mentioned some time earlier that he had a broomrape growing in his garden, which we had suggested might only be Common Broomrape *O. minor*. He recently dropped us by a specimen and much to our embarrassment it turns out that his broomrape is also *O. hederaceae*. It has been in his garden since at least 1977 when he moved in. Both his plants and the ones near Gilkicker are the native purplish variety.

Successful Funding Bid for Hampshire Species Groups

Hampshire and Isle of Wight Wildlife Trust's species groups have been awarded £10,000 by Awards for All, a joint lottery grants programme supported by Arts Council England, Big Lottery Fund, Heritage Lottery Fund and Sport England. The grant has been awarded to the Trust's four species groups; Hampshire Amphibian and Reptile Group, Hampshire Flora Group, Hampshire Mammal Group and Hampshire Network for Invertebrate Conservation. The funding will allow Hampshire Flora Group to purchase much needed equipment required for species survey and identification, along with producing educational resources that will promote the work of the group. More news about the project, and how the funding will be spent will be released soon. Thanks go to Natalie Rogers and Debbie King for submitting this successful bid.

VC11 Records compiled by Martin Rand

Amongst the ever-growing list of new and spreading alien species are two probably 'new to Britain' (yet to be confirmed by the BSBI Records Committee). One of these may prove less than welcome: another species of Marsh Pennywort that is already invasive elsewhere in the world.

Felicity Woodhead has gently but rightly taken me to task for overlooking records in her 1994 Flora of the Christchurch Area when assessing 'First' or 'First since...' status. I promise to do better in the future... checking the status of each of these records now involves scanning at least eight different sources of information; oh for total computerisation! If you don't own a copy of Felicity's Flora then it is currently available from her at a remarkable bargain price.

The most significant finds of native and archaeophyte plants are picked out with a ☼. 'Hampshire Notable' species are marked with a ☼, except where all records given are likely to prove casual or deliberate introductions. Candidates for the notables list are shown in brackets: [☼]. A tetrad is a 2km x 2km square – the basic distribution mapping unit of the 1996 Flora of Hampshire. Records for those parts of VC8 (South Wiltshire) now in administrative Hampshire are also included.

Recorder abbreviations: AEB = Alison Bolton, AJBa = Andy Barker, B&JG = Barry and Jane Goater, CC = Clive Chatters, DL = David Leadbetter, DRA = Debbie Allan, EJC = Eric Clement, GC = Ginnie Copsey, GDF = Geoffrey Field, JAN = John Norton, JGo = John Goodspeed, JPd = John Poland, JRWH = Ralph Hollins, MEY = Elizabeth Young; MJS = Mervyn Southam; MR = Martin Rand, MWR = Mike Rowe, NAS = Neil Sanderson, PAB = Phil Budd, PM = Peter Marston, RCR = Clare Rand, RFG = Ralph Goodchild, RMV = Roger Veall, RMW = Robin Walls.

Records for the next issue by late November, please.

Alnus cordata (Italian Alder): Saxon Square car park, Christchurch, SZ158928; 24 Sep 2006; MWR. One very young specimen, c. 40cm tall, growing out of crack at wall / pavement junction. **1st for SZ19**

☼ *Alopecurus bulbosus* (Bulbous Foxtail): Wick Meads, SZ159919; 19 May 2007; Hampshire Flora Group. Scattered from SZ1595 9193 southwards through damp brackish pasture. **New tetrad**

☼ *Alopecurus x plettkei* (*A. bulbosus* x *geniculatus*): Wick Meads, SZ159919; 19 May 2007; Hampshire Flora Group. At SZ1597 9192. **New tetrad**

Amaranthus hybridus (Green Amaranth): Blackfield, SU446022; 18 Oct 2006; RFG. On disturbed area on a newish housing development, SU4467 0220. **1st for SU40**

Avena sterilis subsp. *ludoviciana* (Winter Wild Oat): Olivers Battery, SU454270; 14 Jun 2007; MR, RCR, AJBa and Linda Barker det. MR. All along margins of fallow field S of Olivers Battery, growing to nearly 2m tall. 1st for SU42. This oat is probably under-recorded, especially on clay soils, and should be looked for elsewhere. It is distinguished by the mature florets coming away in a group, leaving a single oval scar on the flower stalk; only the lowest floret has the thickened stalk that gives rise to this scar. Floral parts tend to be a little larger than in *A. fatua* but this is not a very reliable character.

Berberis thunbergii (Thurnberg's Barberry): Fernyhurst Pond, Rownhams, SU384163; 22 Nov 2006; PAB. Scrub at eastern end of pond. **1st for SU31**

Bergenia x schmidtii (*B. crassifolia* x *ciliata*): Donkey Common, Bitterne, SU461124; 26 Dec 2006; PAB; voucher Hb PAB. Naturalised in scrubby woodland. **New vice-county record**

Borago officinalis (Common Borage): Colden Common, SU486214; 05 May 2007; PM. 1 large flowering plant on verge of Main Road. **1st for SU42 since 1970**

Bromus arvensis (Field Brome): E of Upham, SU544204; 20 Jun 2007; MR & RCR; voucher Hb MR. In grassy headland between resown grass ley and Borage field, by public footpath. **1st vice-county record since 1918**

☼ *Callitriche brutia* (Pedunculate Water-starwort): Anglesey S / Gilkicker, SZ602983; 01 Jun 2006; JAN, DRA & Tynnling, D; photographic record. Horse paddock. 'Fruits c.1.2mm long and wide, narrow translucent wings, flattened, with stalk 3.5 - 5mm. Stem lvs (from stranded plant out of water) 6.5 x 1.9mm, v. obscure notch at apex (microscope). No other types of lvs, end-lvs simply smaller/narrower', comm. JAN. (DRA pics 21-2 show broader floating lvs.) **1st for SZ69**

☼ *Carex acuta* (Slender Tufted-sedge): Stockbridge Common Marsh, SU353340; 24 Jun 2007; MR. 3 tufts along E margin of Marshcourt River with other *Carex* spp. **1st for SU33**

☼ *Carex rostrata* (Bottle Sedge): Fishing pond, Fawley, SU457028; 16 Aug 2006; MR & JPd. In pond margin; possibly introduced. **1st for SU40 since 1966.**

Carpobrotus edulis (Kaffir Fig): Lepe, SZ449985- SZ451985; 12 Apr 2007; PM. Clump with pink flowers open on grassy cliff E. of The Watch House, non-flowering clumps to E. **1st for SZ49**

Cerintho major (Greater Honeywort): Milton Common, SU674008; May 2007; D & J Gosden det. MR. Specimen seen but in poor condition and not preserved. **1st for SU60 and second vice-county record.**

Conyza bilbaoana (Bilbao's Fleabane): Beechcroft, Curdridge, SU523135; 20 Apr 2007; MR. Pavement weed by house wall. **1st for SU51**

Cotoneaster bullatus (Hollyberry Cotoneaster): Horns Drove Wood, Rownhams, SU381167; 21 Dec 2006; PAB. Bird-sown in east of wood. **1st for SU31**

Cotoneaster frigidus (Tree Cotoneaster): Shirley Valley, Southampton, SU3914; 29 Jun 2006; PAB. Self-sown in scrub at SU39711442. 1st for SU31. Mayfield Park, Southampton - north of obelisk, SU447104; 11 Nov 2006; PAB. **1st for SU41**

Cotoneaster rehderi (Bullate Cotoneaster): Horns Drove Wood, Rownhams, SU381167; 21 Dec 2006; PAB. Bird-sown in west of wood. 1st for SU31. Southampton Common NE, SU420149; 10 Sep 2006; PAB. Fruiting bush at SU42041492. 1st for SU41. College Road, Crookhorn, SU68710704; 06 Jul 2006; PAB. Portchester Chalk Pit – west, SU616064; 06 Jul 2006; PAB. **1st for SU60**

Cotoneaster salicifolius (Franchet's Cotoneaster): Portchester Chalk Pit – west, SU616064; 06 Jul 2006; PAB. **1st for SU60**

Cotoneaster sternianus (Stern's Cotoneaster): Horns Drove Wood, Rownhams, SU381167; 21 Dec 2006; PAB. Bird-sown in west of wood. 1st for SU31. Portchester Chalk Pit – west, SU616064; 06 Jul 2006; PAB. **1st for SU60**

Cotoneaster x watereri (Waterer's Cotoneaster): Northam Bridge West, Southampton, SU431128; 25 Jun 2006; PAB. On north side bank at SU43171288. **1st for SU41**

☛ *Crassula tillaea* (Mossy Stonecrop): Lepe Shore, SZ461987; 17 Apr 2007; CC. On the western part of the sandy track that runs within the NNR fence from Lepe to Stone Point. **1st for SZ49**

Crocus speciosus (Bieberstein's Crocus): Chestnut Avenue - west, Eastleigh, SU43141180; 17 Oct 2006; PAB conf. EJC. **1st for SU41**

Crocus tommasinianus (Early Crocus): Boldre Church, SZ323922; 13 Mar 2007; B&JG. Abundant along northern border of churchyard. 1st for SZ39. Copythorne Church, SU308146; 13 Mar 2007; B&JG. Well established. **1st for SU31**

☛ *Dactylorhiza incarnata* subsp. *incarnata* (Early Marsh Orchid): Farlington Marshes, SU680042; 09 Jun 2006; JGo. 4 among hundreds of Southern Marsh Orchids on the hay field. **New tetrad**

Daphne laureola (Spurge-laurel): Tanglewood Pond, Rownhams, SU381162; 22 Nov 2006; PAB. On western side of pond. **1st for SU31 since 1970**

Deschampsia flexuosa (Wavy Hair-grass): Gilkicker Point, SZ607975; 26 May 2007; MR, JAN, DRA & GC. One small clump (<0.5m x 0.5m). **1st for SZ69**

☛ *Dryopteris aemula* (Hay-scented Buckler-fern): Pinsley Plantation, SU646078; 20 Apr 2007; MR. Two well-developed crowns on damp wood bank running down from public footpath to reserve boundary, close to reserve, at SU6463 0783. 1st for SU60 and previously unrecorded in this part of the county.

Dryopteris affinis subsp. *borreri* (Borrer's G-scaled Male Fern): Blashford Lakes NR, SU151076; 05 May 2007; MR, MEY & GC conf. A Pigott who retains specimen. **1st for SU10**

Echinochloa crus-galli (Cockspur): Albany Road, Holbury, SU431038; 30 Sep 2006; MWR. Abundant in gutter. 1st for SU40. A3(M) Waterloo, SU702102; 08 Sep 2006; JAN & DRA. Car observation using GPS. A3(M) Rowlands Castle, SU705117; 08 Sep 2006; JAN & DRA. Car observation using GPS. A3(M) Horndean, SU705121; 08 Sep 2006; JAN & DRA. Car observation using GPS. A3(M) Horndean, SU7013; 18 Oct 2006; MR. Car observation using GPS. A3, Clanfield Down, SU7116; 18 Oct 2006; MR. Car observation using GPS. **1st for SU71**

☛ *Eleocharis quinqueflora* (Few-flowered Spike-rush): NE Corner of Eyeworth Pond, SU229148; 17 Jun 2007; MR & RCR. Scattered in open turfy mire above pond. Above Howen Bottom, SU234157; 17 Jun 2007; MR & RCR. In drenched turf of valley running down from Homy Ridge. **New tetrad**

☛ *Elytrigia x drucei* (*E. atherica* x *repens*): Hook with Warsash, SU488049; 27 Jun 2007; Hampshire Flora Group det. MR. Behind shingle beach by tamarisk scrub at SU4884 0494. Anthers + pollen checked microscopically. **New tetrad**

☛ *Epilobium lanceolatum* (Spear-leaved Willowherb): Browndown No 2 Battery, SZ584988; 02 Jun 2007; BSBI Field Meeting. Scattered on consolidated shingle close to fence of battery. **1st for SZ59**

☛ *Erodium maritimum* (Sea Stork's-bill): Blashford Lakes, SU1507; 06 May 2007; MR, MEY & GC. Area recorded: short acid turf / lichen heath N of Ivy Lake (including fenced 'dune' area and some damper ground on S margin). **New tetrad**

☛ *Erodium moschatum* (Musk Stork's-bill): Hamdown Crescent, East Wellow, SU307189; 11 Apr 2007; RMV. On E roadside grass verge. Between pavement and garden wall, 15 plants: SU3072 1891. Between pavement and garden hedge c. 25 plants: SU3070 1892. New tetrad. Dolphin Close, Fair Oak, SU479186; Jun 2007; Diana Duncan det. MR; voucher Specimen Hb MR. MR visited site and confirmed 23/6, took reference specimen. As pointed out by Mrs Duncan, the largest of these plants are definitely not behaving as annuals. New tetrad. These are only the second and third non-coastal records away from the Avon Valley.

Erophila glabrescens (Glabrous Whitlow-grass): Gunner Point, Hayling, SZ690990; 24 Mar 2007; MR & RCR. Sand foredune at back of shingle beach at SZ6906 9901. **1st for SZ69**

Euphorbia characias (Mediterranean Spurge): Highcliffe, SZ209931; 25 Mar 2007; DL. Cliff below Wharncliffe Road - West End. **1st for SZ29**

Euphorbia corallioides (Coral Spurge): West End Copse - east edge, SU45931449; 11 May 2006; PAB conf. EJC. **New vice-county record**

Euphorbia maculata (Spotted Spurge): Andrew's (East) Park, Southampton, SU421122; 29 Oct 2006; PAB. 10 in a flowerbed. **1st for SU41**

Ficus carica (Fig): Station Road - North, Nursling, SU363167; 03 Aug 2006; Jason Claxton. One metre high plant in horse field. **1st for SU31**

[*] *Filago minima* (Small Cudweed): Browndown Ranges, SZ581991; 29 May 2007; JAN & DRA. Photographic record, SZ 58178 99116 (GPS). Probably not less than 500 plants (many with buds, 1 nearly in flower). Frequent within area of at least 30m x 10m (where 86 plants were counted in just 1m sq.) Area has much bare shingle, freq. patches of *Cladonia furcata*, and some *Hypochaeris glabra*. On NE part of landing area, east of the large shingle butt, and appearing to be due west of the N side of a hanger-type building within Browndown Battery. **1st for SZ59 since ?pre-1882**

* *Filago vulgaris* (Common Cudweed): South of Trott's Copse, Marchwood, SU374108; 30 Jul 2006; PAB. 1000+ plants. **1st for SU31 since c. 1960**

Forsythia x intermedia (Forsythia): Long Beech Inclosure, SU253121; 11 Apr 2007; Mrs M Hedges conf. MR. Voucher specimen Hb MR. Growing amongst alder, willow, birch etc on steep bank by little stream, SU2530 1217. **1st for SU21**

Fuchsia magellanica (Fuchsia): Brockhampton, SU706056; 27 Aug 2006; PM. 1 large flowering bush at SU 7067 0567. **1st for SU70**

Galactites tomentosa (Galactites): Lyndhurst, SU301081; 23 May 2007; RFG. 1 on small grassy area, 3 on gravelly parking area, SU3017 0819. **New vice-county record**

Galanthus elwesii (Greater Snowdrop): Boldre Church, SZ323922; 13 Mar 2007; B&JG. Locally plentiful with *G. nivalis* along hedgerow in NW corner of churchyard. **1st for SU30**

Geranium macrorrhizum (Rock Crane's-bill): Briarswood, west Totton – east, SU343128; 07 Jun 2006; PAB. **1st for SU31**

Griselinia littoralis (New Zealand Broadleaf): Southampton Sports Centre - Jack's Corner East, SU410156; 03 Aug 2006; PAB. Small tree amongst native vegetation. 1st for SU41. Jesmond Road, Highcliffe, SZ209935; 03 Apr 2007; DL. Edge of wood by Jesmond Road. **1st for SZ29**

Helleborus foetidus (Stinking Hellebore): Chewton Bunny, SZ220936; 08 Apr 2007; DL. Near garden. **1st for SZ29**

Heracleum mantegazzianum (Giant Hogweed): Ford Lake, Durley, SU5115; 26 May 2006; PAB. At SU51131536. **1st for SU51**

Hydrocotyle bonariensis (Argentine Water-pennywort): Bournemouth Cliffs, SZ100910; 02 Jun 2007; RMW det. MJS; voucher specimen Hb MR. Rooted in a concrete retaining wall, growing out across a temporary pool. **?New to Britain** but a notorious invasive in other parts of the world including SW Europe. It will colonise dune slacks, cliff seepage lines and brackish creek margins as well as more open water.

* *Hypochaeris glabra* (Smooth Cat's-ear): Browndown Ranges, SZ577993; 26 May 2007; MR, JAN, DRA & GC. SZ5770 9939, at least 31 plants with at least one flowering stem each, as well as several other rosettes with buds only - not counted; these were scattered over area c.8m x 4m either side of path leading from NW corner of the acid grassland area (next to Bramble bush and a few metres in from the main track), beside small grassy path c.40m west of signs prohibiting vehicles to proceed further. South Browndown SSSI / ridge, SZ576994; 26 May 2007; MR, JAN, DRA & GC. SZ5766 9940, 1 flowering plant. (On same path as previous *H. glabra*, but perhaps 40-50m further west.). Browndown Ranges, SZ577993; 29 May 2007; JAN & DRA; Photographic record. 106 plants carefully counted in area of c.8 x 8m on both sides of minor grassy path running ± E to W. New tetrad. Browndown Ranges, SZ581991; 29 May 2007; JAN & DRA. SZ58178 99116 (GPS). 9 plants in area of <30cm sq, and 2 more within 10m of those. On sparse turf in area with plenty of bare shingle, F patches of *Cladonia furcata* and *Filago minima*. E. side of large shingle butt, and appearing to be due west of the N side of the hanger-type building within Browndown Battery.

Iris foetidissima var. *citrina* (Gladdon, garden form): South Boarhunt churchyard, SU603083; 23 May 2007; MR & GC. Single clump on N edge of churchyard. **1st for SU60**

* *Juncus foliosus* (Leafy Rush): NE Corner of Eyeworth Pond; SU229148; 17 Jun 2007; MR & RCR. In poached turfy mire at SU2292 1482, a few plants scattered amongst abundant *J. bufonius*. **1st localised record in tetrad**

☛ *Juniperus communis* (Common Juniper): Blue Haze pit, Ringwood Forest, SU124067; 14 Aug 2006; NAS. Heathland restoration over rubbish dump. Single self sown young bush within the cattle grazed heathland at SU12451 06719. It has been here for some years and is somewhat browsed but growing. 1st for SU10. East Dean Sidings W, SU275266 - SU278267; 29 May 2007; MR & GC. N bank of old MOD railway siding. In all, 7 mature bushes and 10 saplings.
New site

Lagurus ovatus (Hare's-tail): East Meon, SU682221; 17 Jun 2007; GC. 2 in pavement crack. **1st for SU62**

☛ *Lamium hybridum* (Cut-leaved Dead-nettle): A337 Everton Nurseries, SZ284939; 01 Oct 2006; MWR. One plant on disturbed soil, SZ2847 9395. **New tetrad**

Lathyrus sylvestris (Narrow-leaved Everlasting-pea): Hall Lands Copse, SU4919; 22 May 2007; GC. 1 self sown plant from introduction. **1st for SU41**

Lavandula angustifolia (Lavender): West Quay road - south, Southampton, SU417117; 03 Oct 2006; PAB. Self-sown. **1st for SU41**

Lemna minuta (Least Duckweed): Itchen Valley Country Park, SU457163; 15 Jun 2007; MR & GC. Locally plentiful. **1st for SU41**

Linaria x dominii (*L. purpurea* x *repens*): Brockhurst, SU594013; 02 Jul 2006; DRA, EJC & JPd; Photographic record. SU5945 0130, E side of cycleway near hedge/tree line (by lilac tree). 1m+ high, tufted, pink fls, & ±sterile - v. few fruits swelling. dp 20-5 **1st for SU50**

Lobelia erinus (Garden Lobelia): Caird Avenue, New Milton, SZ252946; 27 Aug 2006; MWR. **1st for SZ29**

Lonicera japonica (Japanese Honeysuckle): North of Allbrook, River Itchen, SU46132110; 28 Mar 2006; PAB. **1st for SU42**

Lonicera tatarica (Tartarian Honeysuckle): North of Miller's Pond, Sholing, SU45041106; 29 Apr 2006; PAB conf. EJC. **1st for SU41**

Lotus glaber (Narrow-leaved Bird's-foot-trefoil): Caird Avenue, New Milton, SZ252946; 21 Oct 2006; MWR. One patch, waste ground near Tesco, SZ2522 9464. **1st for SZ29 since before 1930**

☛ *Ludwigia palustris* (Hampshire-purslane): Southampton Common - Amphibian Pond, SU41441455; 13 Aug 2006; PAB conf. EJC. Not planted according to Hawthorns Centre staff. **New tetrad**

☛ *Lycopodiella inundata* (Marsh Clubmoss): Fulliford Bog, Matley, SU342081; 07 Jan 2007; MR & RCR. N side of track on W side of stream: SU3420 0817 (1), SU3422 0818 (2), SU3424 0816 (8), SU3424 0817 (5), SU3425 0816 (3). **1st in tetrad since 1957**

Mentha x villosa var. *alopeuroides* (Large Apple Mint): Casbrook Common North, Michelmersh, SU3525; 08 Aug 2006; PAB. At SU53172537. **1st for SU32**

☛ *Montia fontana* subsp. *amporitana* (Blinks): Cadnam Common, SU294151; 23 Dec 2006; PAB. 10 plants. **New tetrad**

Onopordum acanthium (Cotton Thistle): Lyndhurst, SU301081; 23 May 2007; RFG. 1 on a small grassy area, 2 below hedge, 4 between pavement and wall, SU3017 0819. **1st for SU30**

☛ *Ophioglossum azoricum* (Small Adder's-tongue): S of Setley Plain, SZ296996; 05 May 2007; AEB. N of road, E of railway, damp grassy strip. Dozens of plants over large area extending to SZ297997. **1st for SZ29**

☛ *Orobanche hederæ* (Ivy Broomrape): Fort Road, Gilkicker, SZ608980; 25 Jun 2007; JAN & DRA; Photographic record. SZ6083 9802, 72 stems on *Hedera helix*, in wooded area, 50cm from S edge of road, c.10m E of SW corner post Detention Centre field (on N side of road). With flowers and buds. Presumed to be on *H. helix* ssp. *helix* but not checked. **1st for SZ69 in VC11**

Panicum miliaceum (Common Millet): Central Fawley, SU458032; 30 Sep 2006; MWR. **1st for SU40**

Persicaria capitata (Himalayan Persicaria): Station Road, Sway, SZ276986; 17 Sep 2006; MWR. One plant at wall/pavement junction, E side of Station Road, at jctn with Middle Road. **1st for SZ29**

Physalis alkekengi (Bitter-sweet): Carmans Lane, Compton, SU467254; 20 Jun 2007; MR & RCR. Locally abundant, hedge bank and stopped up field gate. **1st for SU42**

Physalis philadelphica (Philadelphia Bitter-sweet): Beaulieu Motor Museum car park - west edge, SU382030; 26 Oct 2006; PAB conf. EJC. Voucher Hb EJC. **New vice-county record**

Phytolacca acinosa (Indian Pokeweed): College Road, Winchester, SU48442895; 17 Oct 2006; PAB. **1st for SU42**

Pimpinella peregrina: Carmans Lane, Compton, SU467254; June 2007; GDF det MJS. Abundant in short stretch of hedgebank opposite house. **?New to Britain**

Polycarpon tetraphyllum (Four-leaved All-seed): Stourwood Avenue, Bournemouth; SZ134913;11; 29 May 2007; RMW. 20 plants on a well-drained bank of short turf on the boundary of a block of flats, SZ1348 9139. **New tetrad and 3rd vice-county record**

☛ *Polygonum maritimum* (Sea Knotgrass): Highcliffe, SZ206931; 05 Jun 2007; Peter Ellison. Approx 100-200m E of slope path down from Highcliffe Castle, on seaward side of 'promenade'. SZ/205931-206931. Also seen by GDF 23 Jun 07 who found it over a more extensive area. **New site and 1st for SZ29.**

Polypogon monspeliensis (Annual Beard-grass): Caird Avenue, New Milton, SZ252946; 27 Aug 2006; MWR. **1st for SZ29**

Pontederia cordata (Pickerel-weed): Bartley Water – East, SU355130; 05 Sep 2006; PAB. Actually at about SU35531305. **1st for SU31**

☛ *Potentilla palustris* (Marsh Cinquefoil): Exbury; SU419011; 24 May 2007; RFG. Wet hollow, SU4199 0119. **New tetrad**

Primula x polyantha (False Oxlip) (*P. veris x vulgaris*): Park Hills Wood, SU5019; 13 Apr 2007; GC. **1st for SU51 other than as cultivar**

Puccinellia distans (Reflexed Saltmarsh-grass): M27 off slip to A326 / A36, Wade Hill, SU332163; 14 Apr 2007; MR. **1st for SU31 since before 1970**

Pyracantha rogersiana (Asian Firethorn): Jewson's Site, Thornhill, SU465122; 28 May 2006; PAB. **1st for SU41**

Ranunculus parviflorus (Small-flowered Buttercup): Braemar Drive, Highcliffe, SZ208942; 22 Apr 2007; DL. Good population on lawns of 30, 32 and 34. **1st record at site for over 40 years**

☛ *Raphanus raphanistrum* subsp. *maritimus* (Sea Radish): Caird Ave, New Milton, SZ252947; 21 Oct 2006; MWR. One plant, waste ground near Tesco, SZ2521 9470. **New site**

Rosa multiflora (Many-flowered Rose): Holy Cross Church, Durley, SU505169; 26 May 2006; PAB. In hedge by lane opposite, and west of, church. **1st for SU51**

Salix x calodendron (*S. caprea x cinerea x viminalis*): Wick Meads, SZ160918; 19 May 2007; MR & Hampshire Flora Group. One bush, probably part of a general planting of willows in this area. **1st for SZ19**

Samolus valerandi (Brookweed): Sandy Down, Boldre, SZ302992; 19 May 2007; RFG. **1st in tetrad since 1930**

☛ *Saxifraga tridactylites* (Rue-leaved Saxifrage): Wilmington Close, Townhill Park, SU450151; 24 Apr 2006; PAB. On kerbside. 1st in tetrad. Fawley Power Station, SU4702; 17 Mar 2007; CC. On the grazed shingle foreshore by Fawley Power Station from SE of the swing bridge all the way along the frontage of the turbine halls. All of it just above the high water strandline debris. **1st in tetrad**

Scutellaria x hybrida (*S. galericulata x minor*): Lord's Wood Greenway, SU391165; 04 May 2006; PAB. c. 100 plants. **1st for SU31**

Senecio x albescens (*S. cineraria x jacobaea*): North of Hill Road, Portchester, SU617063; 06 Jul 2006; PAB. 10 plants. **1st for SU60**

☛ *Silene gallica* (Small-flowered Catchfly): Gilkicker, SZ608975; 28 Jun 2007; JAN & DRA. 10 plants with pale pink flowers, on S-facing bank of shallow depression, near to the sea wall, in the acid grassland area E of Gilkicker fort, SZ6089 9756. **1st for SZ69 since before 1930**

Spiraea japonica (Japanese Spiraea): Calshot Spit, SU488019; 14 Sep 2006; Alistair Stevenson conf. anon, RHS. One plant on shingle ridge, SU4882 0196. **?New vice-county record**

Stipa tenuissima (Feather Grass): Park Farm Yard, Beaulieu, SZ399967; 12 Jun 2007; B&JG. Voucher Hb MR. **New vice-county record**

Thymus vulgaris (Garden Thyme): Wolvesley Palace wall, SU485290; 26 Jun 2007; B&JG. 5 clumps high on east face of ancient wall, SU4856 2903. **1st in vice-county since ?1960 other than as casual.**

☛ *Trifolium glomeratum* (Clustered Clover): Old A259 alignment, Warblington, SU732060; 28 May 2007; JRWH det. MR. Voucher Specimen Hb MR. Scattered over an area 5x1m going W between (truncated spur of old road alignment approaching A27 Emsworth by-pass (on LHS) and cycleway going under A27 (on RHS)). **1st for SU70**

☛ *Umbilicus rupestris* (Navelwort): Minstead, SU269106; 10 Apr 2007; AEB. Roadside for 100 yds or so. New tetrad. Boldre Church, SZ323922; 13 Mar 2007; B&JG. On ground beside stile by main gateway. **New tetrad**

☛ *Valerianella carinata* (Keeled-fruited Cornsalad): Southmoor Lane in Havant, SU709053; 23 May 2006; JAN. Along road verge, seeds examined under microscope. **1st for SU70**

☛ *Valerianella dentata* (Narrow-fruited Cornsalad): W of Fir Hill, Bossington, SU320310; 29 May 2007; MR & GC. Voucher Specimen Hb MR. Determined from fruit developed in collected material. **New tetrad**

Valerianella locusta (Common Cornsalad): Shirley Holms, SZ308982; 19 May 2007; RFG. Cracks in pavement and gravelly area in house car park. **1st localised record for SZ39**

Veronica longifolia (Long-leaved Speedwell): Pickwick Close, West Totton, SU336129; 07 Jun 2006; PAB. A large patch in rough grassland. **1st for SU31**

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VC12 Records compiled by Tony Mundell

Once more here is a set of my personal selections from the records received recently. As usual I have omitted the 'SU' to save space, and I remind you that inclusion of a record does not imply there is public access as some of these records were obtained during surveys at the owner's invitation. I make no excuse for the large number of aliens I have included – everything away from gardens should be recorded. I have also included a few 'albino' forms of common plants (and a 'red' white clover), which I think are interesting.

A few of you may recall that back in the Autumn 2004 issue I commented on a very likely record for leaves of Spiked Star of Bethlehem (*Ornithogalum pyrenaicum*) near Selborne, but that I was unable to re-find it myself (or indeed on several visits since). Early in 2007 Paul Stanley did re-find the plant and marked it, so I was able to find it this time. In fact two plants were found later at this spot but because they are in dense shade we still have had no flowers. The leaves had completely gone by 2 July 2007, which is consistent with the normal behaviour of *O. pyrenaicum* and rules out the possibility that the plants here were the alien *O. narbonense* (see my comments in the following Spring 2005 issue). I am now completely convinced that the Selborne plants are *O. pyrenaicum*. This is a native plant in Wiltshire and Berkshire, so it could possibly be native in VC12.

In fact on 2 July 2007 I also revisited the nearby location where *O. narbonense* had been recorded in 1989 at Colemore 715306. A dozen spikes had been recorded here by Steve Povey & J. Brett, and a specimen determined by Kew. Steve Povey was with me on 2 July, so he showed me the exact spot in a deep dell away from houses at 71543056. He was pretty sure the flowers were white rather than the greenish yellow of *O. pyrenaicum*, but the open woodland habitat back in 1989 would have made *O. pyrenaicum* more likely than a very rarely grown garden plant. Unfortunately the area is now much too shady for much to survive apart from nettles. It may still be worth a spring visit and I ought to find out if Kew kept the specimen – just in case it really was *O. pyrenaicum* after all.

The individual pits at Noar Hill were given names some years ago, and recently I suggested that Flea Sedge Pit was a misnomer as Flea Sedge (*Carex pulicaris*) only grows in very wet places and could not be there. Steve Povey (who now lives in Wales) protested at that, saying he had definitely seen it there when he lived in Selborne. He was right – a group of us re-found it in Flea Sedge Pit in June – and I am still surprised that it is there.

Continuing the story in the last few issues of Flora News, Coral Necklace (*Illecebrum verticillatum*) has turned up in yet another place in the MOD Longmoor area. I know with certainty that it was not at this particular spot in 2003 when I did a detailed survey there. Again this is an area recently churned up by army lorries.

One rather bizarre record noted below is for a fine stand of hundreds of plants of Marsh Mallow (*Althaea officinalis*) on the edge of Chineham Business Park. It is normally a rare plant of brackish coastal estuaries, so goodness knows what it is doing so far inland.

Before listing the records, here are a few corrections to Flora News Spring 2007: The map reference for John Moon's record of *Fumaria parviflora* should have been 252423, Michael Edwards' record of *Galega officinalis* was at 502388 and Chris Hall's *Valeriana dioica* was at 809558.

Acinos arvensis (Basil Thyme) Over ten plants at Perham Down 24284657, Mike Wildish, Mervyn Grist, Tony Mundell et al 10 Jul 2007.

Agrimonia procera (Fragrant Agrimony) Beside Canal towpath, Broad Oak 75315208, Tony Mundell & Sheila Bates 12 Jul 2007.

Allium nigrum (Broad-leaved Onion) Rosettes of huge leaves noted both sides of track leading to Hurstbourne Priors Church 438466, Tony Mundell 24 Mar 2007, were later identified as this from photos taken by Peter Billinghamurst when it flowered in May.

Allium roseum (Rosy Garlic) Roadside verge on Odiham Common c.751524, just west of house named Greenhill, Neil Catty 20 May 2007.

Althaea officinalis (Marsh Mallow) Many hundreds of flowering plants and seedlings in a wet hollow on the edge of Chineham Business Park, just off the main A33 on the west side of the road leading into the Business Park, 64945466, Andrew Cleave July 2007.

Amsinckia micrantha (Fiddleneck) Single large plant in flower at base of newly sown grass bank close to new metal

gate, Binsbrook, The Slab 77813587, Tony Mundell 3 Jul 2007.

Anagallis minima (Chaff-weed) Locally abundant at disused airfield, MOD Longmoor 80893140, carpeting the ground mixed with *Radiola linoides*, Tony Mundell 16 July 2007.

Arbutus unedo (Strawberry Tree) Re-sprouted after being cut down some years ago, Tadley Common 60256235, Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007. Bill reported that it flowered in 2006.

Berberis vulgaris (Barberry) Dominant along 6m of the hedge at Itchen Stoke Down on south side of track at 54973473, with two more bushes on south side at 54933476, plus some on north side of same track at 55003472 and 55013472. Also still present and covered in flowers NW of Tunworth at 64525062, all Tony Mundell 28 Apr 2007.

Blysmus compressus (Flat Sedge) Warnborough Green 72905196, 73045200 and 73135204, HFG meeting 10 Jun 2007.

Briza maxima (Greater Quaking Grass) One plant at Winklebury 61475229, near railway but only 4-5m from a back garden, Peter Rollinson May 2007.

Bromus commutatus (Meadow Brome) Norton Farm, NE of Upper Farringdon 722357, Tony Mundell 6 Jul 2007 (remarkable to have 3 scarce Bromes in same area).

Bromus racemosus (Smooth Brome) Norton Farm, NE of Upper Farringdon 72243577, Tony Mundell 6 Jul 2007 (remarkable to have 3 scarce Bromes in same area).

Bromus secalinus (Rye Brome) Norton Farm, NE of Upper Farringdon 72193572, Tony Mundell 6 Jul 2007 (remarkable to have 3 scarce Bromes in same area).

Buxus sempervirens (Box) Following up an old record for this by Steve Povey, Tony Mundell re-found 5 mature bushes on the extremely steep side of Noar Hill Hangar at 75083174, on 28 Jan 2007. Access is so difficult (unless you are into mountaineering) that this site must be native. Polhampton 52655068, many large bushes on steep bank above disused watercress beds, Tony Mundell 18 Feb 2007. Single large bush by byway track, Combe 36846072 (VC12 but Berks), Tony Mundell 21 Apr 2007.

Calamagrostis epigejos (Wood Small Reed) Large patch at end of disused airstrip, MOD Longmoor 86963146, Tony Mundell 16 July 2007.

Cardamine pratensis flore pleno (Cuckooflower, double form) In a meadow between the railway line and the River Wey south of Upper Froyle 756418, Geof Hawkins & June Trim 30 Apr 2007, this wild form has been taken into cultivation in the past and is often grown in gardens.

Carex arenaria (Sand Sedge) Dominant over a huge area of 200m x 100m beside the road at Shortheath Common 776371, Tony Mundell 5 May 2007.

Carex curta (White Sedge) A few in seepages in alder wood north of Bordon 795376, Ian Ralphs June 2007.

Carex diandra (Lesser Tussock Sedge) Several plants at Greywell Moors 71985091, shown to HFG meeting by Andrew Branson 10 June 2007.

Carex disticha (Brown Sedge) Greywell Moors 721512, HFG meeting 10 Jun 2007.

Carex hostiana x C. viridula subsp. *brachyrrhyncha* Several plants at Greywell Moors 72015096, shown to HFG meeting by Andrew Branson 10 June 2007.

Carex pulcaris (Flea Sedge) 10 spikes re-found at Flea Sedge Pit, Noar Hill 74263185 by Sue Clark, Tony Mundell, Pamela Lee, Emma Green, Tony & Helen Gutteridge on 13 Jun 2007.

Carex viridula subsp. *brachyrrhyncha* (Long-stalked Yellow Sedge) Plentiful at Greywell Moors 720510, 720509 and 721512, HFG meeting 10 Jun 2007.

Centaurea scabiosa (Greater Knapweed – white form) White form beside B3420 near Hill Farm, SE of Wherwell c.432383, Miles Hodgkiss, 5 Jul 2007.

Centaureum pulchellum (Lesser Centaury) Locally plentiful on disused airstrip at MOD Longmoor 80873142, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Ceterach officinarum (Rustyback Fern) More than 10 on wall outside Cole Henley Farm 46925099, also still plentiful on roadside wall at St. Mary Bourne 42255040, both Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Chaenorhinum minus (Small Toadflax) Isnage Farm, Froyle 768452, Sue Clark 27 Aug 2005.

Cirsium eriophorum (Woolly Thistle) Few plants (not in flower) noted at Perham Down 24334621 and 24284618, Mike Wildish, Mervyn Grist, Tony Mundell et al 10 Jul 2007.

Cirsium x boulayi (Creeping Thistle x Stemless Thistle) On a HFG meeting at Porton Down back on 27 Jul 2002 a piece was collected from an unusual thistle at 24843932. The specimen was determined as this very rare hybrid on 7 Mar 2007 by BSBI expert Kevin Walker. Tall plants of Stemless Thistle are not that unusual, but this is only the 7th confirmed British record of the hybrid since 1843.

Crassula tillaea (Mossy Stonecrop) Much increased since noted four years ago at disused airstrip, MOD Longmoor 80933133, and now also at 80883144, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Crocus tommasinianus (Early Crocus) In abundance with over a thousand plants at Ashe Churchyard 534499 and some at Worting Churchyard 60085182 and 60065187. Also one plant at Tadley Common 60646221 and another at 60646216, all Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Cyclamen hederifolium (Cyclamen) Several at Ashe Churchyard 53464998, beneath a Wellingtonia tree, Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Dactylorhiza incarnata subsp. *incarnata* (Early Marsh Orchid) Dozens, flowers mostly going over, Warnborough Green 730520, HFG meeting 10 Jun 2007.

Dactylorhiza praetermissa (Southern Marsh Orchid) Two spikes in meadow between Odiham Common and the Canal at 74935174 and 74925175, Sheila Bates 13 June 2007, confirmed Tony Mundell. Single plant at Elevetham Heath near

the M3 at c.807559, Tony Mundell 17 Jun 2007.

Dactylorhiza x grandis (Southern Marsh Orchid x Common Spotted Orchid) Several variable hybrids amongst both parents, Greywell Moors 720510 and 720509, and Warnborough Green 72995198 and 73065199 etc, all HFG meeting 10 Jun 2007 (The very curious one that day at 73057 51989 which seemed to have some features like *D. traunsteineri* was determined by Dr Ian Denholm as within the variation of this hybrid. Similarly he re-determined as *D. praetermissa* photos of the plant first found at 73065201 by Tony Blunden that were initially thought to be Southern Marsh Orchid x Early Marsh Orchid). A remarkable naturally occurring hybrid swarm of about 550 spikes (including both its parents in the count) some splendidly robust, was shown to Tony Mundell in Dot Digby's garden, Snailing Lane 76432991, on 13 June 2007.

Dryopteris x deweveri (Broad Buckler X Narrow Buckler Fern) Wick Wood 75853543, det. Martin Rand, 5 May 2007, HFG meeting.

Epilobium lanceolatum (Spear-leaved Willowherb) A large colony on sandy roadside bank of disused section of road at Kingsley 78113789, growing with *Filago vulgaris*, Tony Mundell & Steve Povey 3 July 2007.

Epipactis palustris (Marsh Helleborine) A few along fen edge at Greywell Moors 720510, and large colony mostly in bud at Greywell Pumping Station 72255141, HFG meeting 10 Jun 2007.

Epipactis phyllanthes (Green-flowered Helleborine) 12 spikes in a flower bed in the car park outside QinetiQ, Farnborough 84445423 and 10 more just inside the fence at 84435419, also 13 spikes scattered along Laffan Track area of Eelmoor Marsh 83565333 to 83805298, all Tony Mundell & Fred Rumsey 9 July 2007. Two in bud under trees at edge of meadow known locally as The Wadden at Selborne 73403358, Tony Mundell & Steve Povey 3 Jul 2007. 10 spikes scattered beside Tye Track, QinetiQ Farnborough, from 83925366 to 83985373, Tony Mundell 16 July 2007.

Epipactis purpurata (Violet Helleborine) A splendid clump with 5 spikes in bud beneath a large beech near Hanger Path, Selborne 73923325, Tony Mundell & Steve Povey 3 Jul 2007.

Eranthis hyemalis (Winter Aconite) Small clump at 46885099 spread from garden across road from Cole Henley Farm (where it is plentiful at the base of a wall). Also plentifully naturalised in Litchfield Churchyard 461540, and a few at roadside near Blandy's Farm 56435169, all Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007. Dominant in patch 3m x 3m at Hurstbourne Tarrant Churchyard 38545305, Tony Mundell 24 Mar 2007.

Euphorbia platyphyllos (Broad-leaved Spurge) At least 60 plants on edges and mainly inside field of Oilseed Rape, NE of Upper Farringdon 722354, Tony Mundell 6 Jul 2007. Many hundreds of plants inside field of Oilseed Rape, south of Alton 727375, easily visible from B3006, Tony Mundell 8 Jul 2007.

Galanthus elwesii (Greater Snowdrop) Empshott Churchyard 75333126, single clump on grave nearest church entrance, Tony Mundell 28 Jan 2007. A few at Worting Churchyard 60085188 and 60085189, Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007. Several amongst countless *G. nivalis* at Hurstbourne Priors Churchyard 43954657, Tony Mundell 24 Mar 2007.

Galanthus plicatus (Pleated Snowdrop) On 20 Dec 2006 Peter Rollinson sent me photos of leaves of this from a roadside bank north of Hurstbourne Priors, where he had known it since the '80s. Later, on 22 Feb 2007, Peter showed the plants to Bill Helyar and Tony Mundell, well-naturalised with hundreds of flowers extending from 43304803 to 43304812, probably a cultivar as it has some features of subsp. *byzantinus* and others of subsp. *plicatus*.

Galanthus plicatus x nivalis A few plants were judged to be this hybrid growing with both parents on a roadside verge north of Hurstbourne Priors 43304812, Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Galanthus woronowii (Green Snowdrop) Large clump still present at Tadley Common 60616217, but 6 small plants also found around a grave in Litchfield Churchyard 46195401, both Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Geranium columbinum (Long-stalked Cranesbill) Scattered plants along c.150m of north roadside verge near Pinglestone Farm, Alresford 578334, Geoff Farwell 30 June 2007, also a single plant between King's Worthy and Micheldever beside a farm track at 504372, Geoff Farwell 24 June 2007.

Geranium lucidum (Shining Cranesbill) Common in several copses at Chineham, especially Guinea Copse 664556, Andrew Cleave 18 Apr 2007.

Geranium robertianum (Herb Robert – white form) On roadside bank in Husseys Lane, Lower Froyle 765443, Sue Clark 28 Apr 2007, the owner of the adjacent house says she did not introduce it and "has pulled up loads of it". Steve Povey recently told Tony Mundell that the white form was locally plentiful in the southern end of Combe Wood, near Selborne 751344 a few years ago.

Geranium rotundifolium (Round-leaved Cranesbill) Small patch on track by Priory Farm, Selborne 755345, Neil Catty 26 May 2007.

Helleborus foetidus (Stinking Hellebore) On edge of scrubby wood between Down Farm Lane and A34, Headbourne Worthy 46413356, Julia Verity 13 Mar 2007, photo conf. Tony Mundell.

Helleborus viridis (Green Hellebore) Now increased to 20 plants at Selborne 74053096, mainly at top of roadside bank, Ernest Sears 17 Feb 2007. Following up an old record for Hale Copse near Selborne, Tony Mundell re-found first 30 plants at 73183203 and then 100 more at 73193198, 9 May 2007. Sadly only one or two plants had flowered as the copse is now too overgrown. Steve Povey tells me it was a mass of flowers some 20 years ago when the wood was last felled.

Illecebrum verticillatum (Coral Necklace) Locally plentiful in puddles at end of disused airstrip, MOD Longmoor 80873138, 80893137 and in other adjacent puddles, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Impatiens parviflora (Small Balsam) Stretching along about 50m of Honey Lane, Selborne 74613335, shown to Tony Mundell by Steve Povey 3 Jul 2007, where Steve has known it many years.

Isolepis setacea (Bristle Club-rush) Warnborough Green 72905196, HFG meeting 10 Jun 2007. At edge of Fleet Pond 82275516, Tony Mundell 26 Jun 2007. Plentiful in newly cleared ditches and streams at disused airstrip, MOD Longmoor, with 26 clumps in ditch from 80483132 to 80513133, dozens along stream at 80783130 and 11 in wet seep at 80903131, Tony Mundell 16 July 2007.

Juncus compressus (Round-fruited Rush) Warnborough Green 73115205, HFG meeting 10 Jun 2007.

Juniperus communis subsp. *communis* (Juniper) A single large mature bush at Perham Down 24324644, Mike Wildish, Mervyn Grist, Tony Mundell et al 10 Jul 2007.

Kickxia elatine (Sharp-leaved Fluellen) Isnage Farm, Froyle 768452, Sue Clark 27 Aug 2005.

Kickxia spuria (Round-leaved Fluellen) Isnage Farm, Froyle 768452, Sue Clark 27 Aug 2005.

Lathraea squamaria (Toothwort) 25 spikes below a Field Maple tree, near track in Combe Wood 35526016 and 19 also on Field Maple beside byway at Combe 36546062 (both VC12 but Berks), Tony Mundell 21 Apr 2007. Four spikes, Wick Hill Hanger 75423588, 30 Apr & 5 May 2007, HFG meeting. Seen for the last 20 years at foot of hazel on both sides of track at Webb Lane, Ropley 643310, Lynn Fomison 29 Apr 2007. Bridleway between Stapley Lane and Bramdean Common 645302, in bottom of hedgerow, Lynn Fomison 29 Apr 2007.

Lathyrus nissolia (Grass Vetchling) A few plants, Broad Oak 75115144, Tony Mundell & Sheila Bates 12 Jul 2007. Patch of about a dozen, Elevetham Heath near the M3 at c.807559, Tony Mundell 17 Jun 2007.

Linum bienne (Pale Flax) About 10 plants as a weed in flower beds outside A2 Building, QinetiQ Farnborough 844534, Helen Wray communicated via Betty Hansell 4 May 2007.

Lonicera maackii (an alien Honeysuckle) This was initially recorded in error as *L. xylostemum* (Fly Honeysuckle) at Magdalen Hill Down 505291 and 509292, beside the footpath south of a building, by Phil Budd 9 Apr 2002, but when Phil showed it to Eric Clement on 17 Oct 2006, Eric determined it as *L. maackii*.

Menyanthes trifoliata (Bogbean) Beside the bridge, Polhampton near Overton 523504, Bill Helyar 15 Apr 2007.

Monotropa hypopitys subsp. *hypophegea* (Yellow Birds-nest) Still present beneath sallows at end of disused airstrip, MOD Longmoor with 5 at 80943140 and 5 at 80963140, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Muscari neglectum (Grape Hyacinth) A single plant on a large bund of disturbed soil, within a fenced brownfield site at Farnborough c.841544, Gareth Knass 3 Apr 2007, photo confirmed Tony Mundell 4 Apr 2007 (the first record for VC12 although there are recent VC11 records). Although this is the species found in Britain as a rare native (e.g. in the Brecklands), it was growing near other casuals, including the common garden escape *M. armeniacum* (Garden Grape Hyacinth) and certainly could not be native in Hampshire. Its origin is a mystery.

Narcissus pseudonarcissus subsp. *pseudonarcissus* (Wild Daffodil) Wick Wood 75803543, 30 Apr & 5 May 2007, HFG meeting.

Nicandra physalodes (Apple of Peru) Plentiful as a pavement weed along Odiham High Street 74125109 to 74205112, Tony Mundell & Sheila Bates 12 Jul 2007.

Oenothera rubricaulis Specimens of this from Aldershot were confirmed by Rose Murphy in 2006 (it is briefly mentioned but not described in Stace, though fully described in *Watsonia* Vol.14 Part1). Identical plants in a disused sand pit at Kingsley 77823776 were shown by Tony Mundell to Dr Ian Denholm on 19 Jul 2007. Ian took a specimen and confirmed its identity using Rostanki's key in *Watsonia*.

Ophrys apifera (Bee Orchid) Peter Vaughan sent Tony Mundell a photo of one splendid plant at Bartley Heath 72785312 found on 10 June 2007 (very surprising as this is surrounded by acid heathland) – sadly it was picked then discarded two days later. In another unusual site they are thriving and increasing under trees just inside Cody Gate, QinetiQ, Farnborough, where Tony Mundell and Fred Rumsey counted 80 spikes (probably an under-estimate) mainly in seed on 9 Jul 2007; one measured an amazing 25.5 inches (65cm) tall.

Orchis (Neotinea) *ustulata* (Burnt Orchid) A good year at Ladle Hill 47795676 to 47975684 with 190+ counted by Nigel Johnson & Rosemary Webb, 9 July 2007 (more specific locations/counts provided)

Ornithogalum angustifolium (Common Star of Bethlehem) Amazing photos were taken in May 2007 by Glynne Evans showing many thousands carpeting a huge area at Barton Stacey Training Area in parts of 4440, 4540, 4439 and 4539.

Ornithogalum nutans (Drooping Star of Bethlehem) Thriving on the roadside at Oakhanger 770349, and spreading northwards, Tony Mundell 27 Mar 2007 (where I have known it for 30 years).

Ornithogalum pyrenaicum (Spiked Star of Bethlehem) Following a phone call from Paul Stanley on 14 Apr 2007 saying he had re-found the leaves first found by Brian Laney near Selborne in 2004, Tony Mundell visited the site on 16 Apr and found (and photographed) the single clump of leaves at 73504 31995. A thorough search was made of the whole copse and around its edges but no more plants could be found. There was still only a single plant on my next visit on 9 May 2007, yet on another visit on 13 June 2007 I was amazed to see that a second plant had sprung up only a few inches from the first, that unquestionably had not been there before. Unfortunately due to the deep shade neither plant flowered, and the leaves had completely disappeared by 2 July. A visit to see *O. pyrenaicum* flowering in Berkshire on 23 June confirmed that the basal leaves on most flower spikes had completely gone or were yellow and dying. Dr Fred Rumsey who grows this plant has confirmed the Hants leaf photos as definitely this.

Oxalis exilis (Least Yellow Sorrel) Several patches beneath a yew tree in Odiham Churchyard 73995092, Tony Mundell 3 May 2007.

Papaver argemone (Prickly Poppy) One at on verge of new road, Houndmills, Basingstoke 62385253, Peter Rollinson May 2007.

Parentucellia viscosa (Yellow Bartsia) 50 plants in flower close to the roundabout at entrance to Elvetham Heath housing estate 795550, Tony Mundell 13 May 2007. Remarkable abundant at disused airfield, MOD Longmoor, with

many thousands of plants over a huge area in 808314, 809313, 808313, 807313 and 807312, Tony Mundell 16 July 2007.

Paris quadrifolia (Herb Paris) Wick Hill Hanger 60 at 75473570, 25 at 75463572, 20 at 75443575, and Wick Wood 24 at 75803508, all 30 Apr & 5 May 2007, HFG meeting. 7 non-flowering plants at Alice Holt Forest 79424309, plus nearby colonies about 30yds away of 60 flowering plants and 130-150 flowering plants, Sue Clark 7 May 2007. At least 30 beside stream, Lutcombe Bottom 73492643, Tony Mundell & Steve Povey 2 Jul 2007. Long Copse, N of Selborne 74713488 and 74703485, near stream, Tony Mundell 6 Jul 2007. Common in Great Sorrels Copse, Chineham 656553, Andrew Cleave 18 Apr 2007. Bentley Station Meadow BC Reserve 79354290, 90 stems, 60-65 of them in fruit, Sue Clark 16 July 2007.

Petroselinum segetum (Corn Parsley) A few plants between King's Worthy and Micheldever along field edge just visible from footpath, 503371, Geoff Farwell 24 June 2007.

Phyteuma orbiculare (Round-headed Rampion) The single plant first found at Noar Hill 73963189 by Pamela Lee in 2004, reappeared and flowered again, Pamela Lee 19 Jul 2007, though it could not be found in 2006.

Polypogon monspeliensis (Annual Beard Grass) On waste ground adjacent to playing fields, Winklebury, Basingstoke 61905239, Peter Rollinson 25 May 2007.

Polypogon viridis (Water Bent) Beside balancing pond at Elvetham Heath 805557, Tony Mundell 17 Jun 2007.

Populus nigra* subsp. *betulifolia (Black Poplar) Several very large trees in swampy area at Polhampton 528504 recorded by Overton Biodiversity Society in 2004 and confirmed by Tony Mundell 17 July 2007. Nearby at 527504 there are three much smaller ones, currently about 5m tall, that have been propagated by the farmer using cuttings from the original trees, and planted along a field edge.

Potentilla argentea (Hoary Cinquefoil) Locally frequent in short sandy lawns on the western edges of The Brocas 792372, Ian Ralphs June 2007. 8 plants at Binsbrook, The Slab 77813583, Tony Mundell 3 Jul 2007.

Potentilla x mixta Locally plentiful with *P. reptans*, Greywell Pumping Station 722513, HFG meeting 10 Jun 2007, specimens det. Martin Rand using pollen staining and morphological characters.

Potentilla norvegica (Ternate-leaved Cinquefoil) Much increased on south side of track at MOD Longmoor 80653146 to 80673146, with 46 flowering/seeding plants and 300 seedlings, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Prunella vulgaris (Self-heal – white form) Perham Down, 8 plants at 23944612 and 3 at 23874637, Mike Wildish, Mervyn Grist, Tony Mundell et al 10 Jul 2007. Several at MOD Longmoor beside track at 80643145, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Radiola linoides (Allseed) Remarkably abundant locally at disused airstrip, MOD Longmoor 80893140 to 80893139, Tony Mundell 16 July 2007.

Ranunculus auricomus (Goldilocks Buttercup) A clump in the verge close to the footpath on the north side of the B3047, just east of the Bridge Road turning, New Alresford 580324, Alida Butcher 15 Apr 2007. Single plant under a Copper Beech in Odiham Cemetery 74375084, Tony Mundell 3 May 2007. Abundant in several copses near Chineham, especially Toll House Copse 664553, and Great Sorrels Copse 656553, but in lesser quantities in Guinea Copse 663556 and Long Copse 653549, Andrew Cleave 18 Apr 2007.

Rumex pulcher (Fiddle Dock) Several beside gate at entrance to Odiham Churchyard 74025097, Tony Mundell 3 May 2007 and another behind the church 74065092, Tony Mundell & Sheila Bates 12 Jul 2007.

Sagittaria subulata (Narrow-leaved Arrowhead) Once dominant at Shortheath Pond, but now on its last legs as the water is opaque – a few small clumps including a single flower in pond margin at 77503685, Tony Mundell & Steve Povey 3 Jul 2007.

Sambucus ebulus (Dwarf Elder) Shown to Tony Mundell on 2 Jul 2007 by Steve Povey on roadside outside Goleigh Manor 73503133, where Steve has known it for many years.

Samolus valerandi (Brookweed) Still plentiful at disused airfield, MOD Longmoor 81003148 and 80903141, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Saxifraga granulata (Meadow Saxifrage) Flowered in May 2006 at South Warnborough Churchyard 721472 but only leaves in May 2007, Penny Raynor. St Swithin's Churchyard, Combe 36846073 (VC12 but Berks), Tony Mundell 21 Apr 2007.

Scilla bifolia (Alpine Squill) 5 at Hurstbourne Tarrant Churchyard 38505300, Tony Mundell 24 Mar 2007

Scilla bithynica Really abundant in Hurstbourne Tarrant Churchyard with over a thousand spikes in several places, mainly at 38585308, 38565300, 38525303 and 38535301, Tony Mundell 24 Mar 2007 (where first reported by Peter Billingham).

Scilla siberica (Siberian Squill) Scattered plants in Litchfield Churchyard 461540, Peter Rollinson, Tony Mundell & Bill Helyar 22 Feb 2007.

Senecio fluviatilis (Broad-leaved Ragwort) Known to Steve Povey and Bill Lowe for many years at Lutcombe Bottom 73612642 beside the footpath at base of the large tree immediately east of the footbridge over the stream, where 7 non-flowering spikes were seen by Tony Mundell & Fred Rumsey on 9 July 2007. Unlikely to ever flower as it is now in deep shade.

Silene gallica (Small-flowered Catchfly) Much decreased through invasion by Gorse, but still hanging on beside Conde Way, Bordon 79663470, Tony Mundell & Dr Ian Denholm 19 Jul 2007.

Silybum marianum (Milk Thistle) Single plant, already in flower, beside a new road, Chineham 660543, Tony Mundell 15 April 2007.

Sorbus torminalis (Wild Service Tree) Several trees noted at Mill Wood, Andwell 69405261, but could be more nearby as difficult to be certain before leaves develop, Tony Mundell 12 Apr 2007.

Teesdalia nudicaulis (Shepherd's Cress) In bare sand at southern end of pond on Broxhead Common 803373, Chris & Bill Wain 28 March 2007, det. Tony Mundell 29 Mar 2007.

Thelypteris palustris (Marsh Fern) Locally abundant with hundreds of plants, Greywell Moors 720510, HFG meeting 10 Jun 2007.

Tilia cordata (Small-leaved Lime) Wick Hill Hanger a large multi-trunked coppiced tree at 75433522 and a small plantation at 75553546, 30 Apr & 5 May 2007, HFG meeting.

Trifolium fragiferum (Strawberry Clover) Warnborough Green 72905196, identified from leaves by John Norton, HFG meeting 10 Jun 2007.

Trifolium repens (White Clover – deep pink form) Patch 1m across, Odiham Cemetery 74415082, Tony Mundell & Sheila Bates 12 Jul 2007 (The specimen collected clearly keys to this. White forms of Red Clover are quite frequent, but I have never seen a red form of White Clover before).

Vulpia unilateralis (Mat-grass Fescue) At least 6 plants confirmed at the northern part of Micheldever Spoils Reserve 52024504, Tony Mundell 20 May 2007 (where we thought we had found a few shrivelled-up bits of it on the HFG meeting on 30 July 2006).

X Dactyloдения st-quintinii (Fragrant Orchid x Common Spotted Orchid) A remarkable plant with 4 flowering spikes of identical flowers all from the same basal area (presumably vegetatively reproduced) amongst its parents at Walbury Hill, Combe 36986199, on steep roadside bank adjacent to copse edge (VC12 but admin Berkshire), Miles Hodgkiss 5 Jul 2007, confirmed Tony Mundell 10 Jul 2007.

Compiled 22 July 2007 by Tony Mundell
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Marsh mallow (*Althaea officinalis*) at Chineham VC12 by Andrew Cleave

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