

Bulgaria in Summer

Naturetrek Tour Report

26 July - 2 August 2014



Calliptamus italicus - a grasshopper species



Polyommatus (=Agrodiaetus) ripartii - Ripart's Anomalous Blue



View of part of Kresna Gorge



Carpocoris pudicus/mediterraneus - a shieldbug species

Report and images by Alan Outen



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Summary

As always on this tour, during the course of just a week we had enjoyed superb scenery, a wonderful range of wildlife and splendid hospitality. We saw an overall total of 710 identified species including 224 higher plants and 328 invertebrate species, of which 96 were butterflies and 65 moths as well as many other attractive and impressive dragonflies, bugs, beetles etc. The interest shown by the group in Fungi resulted in 26 species being recorded: the highest total for this tour and pretty good for the time of year. It is always difficult to find birds on this tour this late in the season. The extremely high temperatures at the start of the week also did not help as birds sort cover, but we nonetheless managed an impressive total of 114 species, the second highest total ever for this tour. The wet weather and threat of thunderstorms whilst based in Bansko also necessitated some rearrangement and sadly meant that Bezbog had to be omitted from the itinerary.

Day 1

Saturday 26th July

Heathrow to Sofia, then to Melnik via stop at Verdena River

Sunny on arrival in Sofia, hot, with maximum temperature 32°C

Despite being a few minutes late taking off from Heathrow, we nonetheless arrived in Sofia a few minutes early at 1.20pm (BST +2), as is frequently the case with this route. After clearing immigration and reclaiming luggage, we quickly found Nikolay (our local representative who, on this occasion, was not accompanying us) and Assen in the arrivals hall. The bus was loaded up and by 2.15pm we were on our way.

After travelling for just half an hour we stopped at the Verdena River, a regular site for this tour and a productive introduction to some of the Bulgarian flora and fauna. We quickly sighted Silver-washed Fritillary, Common Glider, Great Banded Grayling, Freyer's Purple Emperor and Eastern Short-tailed Blue butterflies, soon followed by Lesser Spotted Fritillary, Meleager's Blue, Mountain Argus and Hungarian Glider among others. A Grayling specimen that I photographed has been identified by Prof. Stoyan Beshov (the leading lepidopterist in Bulgaria), as probably the rare Delatin's Grayling (*Hipparcha volgensis*). This species would need genitalia dissection to confirm it, but he does say that this site is a known locality for it so we will assume it is correct.

Balkan Goldenring, Small Pincertail and Beautiful Demoiselle were by the river with two bush crickets *Poecilimon thoracicus* and *Tettigonia caudata*, three species of longhorn beetle and two snails with attractive shells *Cepaea vindabonensis* and *Euomphalia strigella*, adding further to the range of invertebrate interest. Birds seen included Lesser and Common Whitethroats and Honey Buzzard, whilst a Common Wall Lizard was also seen. Plants here included Soapwort, White Melilot, Childling Pink and Large leaved Spindle.

Time quickly evaporated and we had been here an hour and a half before the group was persuaded to get back on the bus and we drove on. After another 45 minutes we made a comfort stop where White Stork and Red-backed Shrike were observed, Clouded Yellow and Small Skipper added to the butterfly list, and a male Broad-bodied Chaser added to the dragonflies. We left here at just before 5pm and then stopped again for 25 minutes

at 6.20pm to observe a Griffon Vulture colony in fading light. Crested Lark and Spanish Sparrows with nests were also noted here.

We eventually reached our hotel in Melnik at 7.45pm where, after checking in and a short while for people to sort themselves out, a very welcome, though rather late, evening meal was eaten outside. The briefing which followed was enlivened by the endemic subspecies of Kotschy's Gecko, attracted to the hotel wall lights. After a very long, though extremely productive and interesting day, all retired to their rooms.

Day 2

Sunday 27th July

Melnik; Rupite Hot Springs; near Hotovo

Sunny, hot and dry with maximum temperature 35°C

A very well attended pre-breakfast walk from the hotel gave sightings of Red-rumped Swallow, Crag Martin, Middle Spotted, Syrian and Lesser Spotted Woodpeckers, Sombre Tit and Red-backed Shrike, as well as several common UK species. A Nightingale was singing but could not be located. An Oberthür's Grizzled Skipper was a good addition to the butterfly list whilst the curious tiny lace-bugs *Corythucha ciliata*, specific to the leaves of Plane trees, were also noted. The plants were not neglected either and these included Crimson Clover, Pink Everlasting (*Xeranthemum annuum*), *Delphinium balcanicum*, *Centaurea salonitana* var. *macrantha*, *Geranium macrorrhizum*, and the yellow flowered *Achillea coarctata*.

After a satisfying breakfast, again eaten outside, we were all assembled by 9.05am ready to board the bus. Sightings of Crested Lark, Bee-eater and Black Stork enlivened the one hour drive to the remarkable hot springs at Rupite, where the water temperature can reach 74° C. This is always a very productive site and this year was no exception with Cirl Bunting, Olivaceous Warbler, Hoopoe, Lesser Grey Shrike, Long-legged Buzzard and close views of Bee-eaters among the bird highlights. Balkan Green Lizard, European Pond Tortoise and Marsh Frogs were also seen. The butterflies included Little Tiger Blue, Lesser Fiery Copper and Spotted Fritillary, while moths were represented by the Nine-spotted Moth, the Noctuid *Schinia cognata*, the Plume Moth *Capperia fusca* and larvae of Spurge Hawk-moth. Dragonflies included Southern Skimmer and Scarlet Darter, with Banded Demoiselle and White-legged Damselflies. Among many other good insects were the attractive shieldbugs *Carpocoris mediterraneus* and *Eurydema ornata*, a large ant species *Cremogaster scutellaris*, a spider-hunting wasp species *Batozonellus lacerticida*, two impressive bush-cricket species *Tylopsis lilifolia* and *Eupholidoptera smyrnensis*, the curious-looking long-nosed grasshopper *Acrida mediterranea*, a more conventionally shaped grasshopper *Aiolopus thalassinus*, nymphs of Egyptian Grasshopper and a much-photographed Cone-headed Mantis (*Empusa fasciata*). Plants noted here included Maltese Cross (*Tribulus terrestris*), *Echium italicum*, *Portulaca oleracea*, *Scolymus hispanicus*, *Heliotropium europeum* and *Lavatera thuringiaca* among many interesting species.

The high temperature meant that we took the opportunity to purchase cold drinks at the café, but being a Sunday the area was now very busy, so we moved on somewhere a bit quieter for our picnic lunch. Here we saw both Wasp Spider (*Argiope bruennichi*) and its curious relative *A. lobata*. Painted Lady butterflies and the large blue and red beetle *Trichodes crabroniformis* gave added invertebrate interest. We then moved on to a site near Hotovo where Large Grizzled and Mallow Skippers and Southern White Admiral were the stand-out butterflies, with the large Violet Carpenter Bee also a new species to many. Plants of *Amorpha fruticosa* (Bastard Indigo Bush) and the

aspen-associated bolete toadstool *Leccinum aurantiacum* were also of note. Other birds seen during the day included Black-eared Wheatear, Tree Sparrow and Corn Bunting.

Hot and tired but well satisfied with the day, we returned to the hotel for showers, cool drinks and either a rest or an opportunity to explore the village, before an excellent 7pm dinner, eaten outside as always here, followed by a run through of the lists of species seen.

Day 3

Monday 28th July

Melnik; Kresna Gorge; above Illindentsi including a walk down to the Struma River

Sunny, hot and dry with maximum temperature 35°C

The pre-breakfast walk again produced Sombre Tit as well as Nightingale, Cirl Bunting, Hawfinch and Red-backed Shrike. A specimen of the distinctive and attractive Oak Spider (*Aculepeira ceropegia*) was also seen.

After another substantial breakfast we left just after 9am and drove to Kresna Gorge, arriving shortly after 10am. This is one of the best natural history sites in Bulgaria, justly famous for its rich biodiversity and it is always well worth spending time here. Regrettably, the site is threatened by a major road development, which will be a tragedy. As always there was plenty of interest. Scarce Swallowtail, Tufted Marbled Skipper, Mallow Skipper, Sooty Copper, and Adonis Blue were among the many butterflies here, with several Humming-bird Hawk-moths much in evidence. Grasshoppers included *Oedipoda caerulea* and *O. miniata*. The former shows blue-underwings when it flies, whilst in the latter these are bright red. Other insects of note included the bugs *Odontotarsus robustus* from the family Scutellaridae and *Centrocoris spiniger* one of the leather bugs, the classic Praying Mantis *Mantis religiosa*, the Crabronid wasp *Bembix bidentata*, the attractive long-horn beetle *Chlorophorus varius* and the orange and black Meloid beetle *Mylabris variabilis*. Cicadas kept up a constant cacophony of sound but as always were elusive to see. Among the more interesting plants here were the shrub Christ's-thorn (*Paliurus spina-cristi*), Nettle Tree (*Celtis australis*), *Echinops sphaerocephalus*, *Heliotropium europaeum*, *Trifolium incarnatum*, *Centaurea saloniensis* var. *macrantha* and *Consolida regalis*.

We left here at 12.50pm but unfortunately our intended plan to make our annual visit to the Marena Place fishponds was thwarted by road closures due to a major road building operation. We drove to the hillside above Illindentsi where we had our picnic lunch. In the water trough here were Yellow-bellied Toads, whilst on the grassy slopes we found Jersey Tiger moth, the very attractive fly *Phasia hemiptera*, the flower chafer beetle *Oxythyrea funesta*, another Scutellarid bug species *Psacasta exanthematica* and *Acmaeoderella flavofasciata*, one of the less colourful of the Jewel Beetles of the family Buprestidae. Birds here include Lesser Kestrel.

We then walked down the track below the road to the spring seeing the larval web-nests of Pine Processionary Moths, and Speckled Wood, Wood White and Long-tailed Blue butterflies. Mike found a specimen of the largest European terrestrial shieldbug *Mustha spinosula*, much to the envy of the leader, who has never yet seen it! The spring itself, with shallow water flowing over gravel was alive with butterflies, especially various blues and whites, a marvelous sight that was one of the highlights of the week for two of the group. In the course of our return journey back to Melnik, Little Owl, five Grey Herons, six Little Egrets, four Cormorants and White Stork were among the birds sighted. Other birds seen during the day included Woodchat Shrike, Lesser Grey Shrike and Woodlark.

We were back at the hotel for 6.15pm so dinner was arranged for 7.15pm, followed as usual by the resumé of species seen during the day.

Day 4

Tuesday 29th July

Depart Melnik - arrive Bansko

Sunny, dry and hot, maximum temperature 35°C

Despite the fact that this was transfer day, the turn out remained good for the pre-breakfast walk. Those who came were rewarded with Icterine and Bonelli's Warblers, Rock and Cirl Buntings, Sombre Tit and Nightingale (heard) among others, as well as Bath White butterfly. Following our usual al fresco breakfast and with all bills paid and the bus loaded with luggage, we left on time at 9am. However after just 15 minutes we made a roadside stop near Hursovo for Calandra Lark, with an obliging Hoopoe also putting in an appearance. Insects seen here were the Large Mottle-winged Ant-lion (*Palpares libelluloides*), a freshly emerged Red-veined Darter, the red and black striped bug *Graphosoma lineatum* (christened the AC Milan Bug by a previous group), Bishop's Mitre Bug (*Aelia acuminata*) and the beetle *Mylabris variabilis*.

After 45 minutes we drove on, at one point passing within 300 metres of the Greek border. A fine specimen of the introduced Indian Bean Tree (*Catalpa bignonioides*) beside the road attracted the attention of some. At 11.10am we made our scheduled stop at the Popovi Livadi mountain pass. This is another of our regular sites and always productive. Butterflies on this visit included plentiful Clouded Yellows and Marbled Whites as well as Red Admiral, Queen of Spain Fritillary, Woodland Ringlet, Scarce Copper, Nettle Tree Butterfly, and Apollo. A Sallow Clearwing moth (*Synanthedon flaviventris*) was an unexpected bonus whilst other insects included the attractive longhorn beetles *Pachyodes cerambyciformis*, *Stictoleptura rubra* and *Rutpela* (= *Strangalia*) *maculata*, as well as iridescent green Rose Chafers and Mint-leaf Beetles. The flora here is also good with *Digitalis lanata*, *Cirsium candelabrum*, *C. ligulare*, *Teucrium chamaedrys*, *Linaria genistifolia*, *Nepeta pannonica*, *Gentiana cruciata*, *Campanula patula* and Common Spotted Orchid among many interesting and attractive species. Fine specimens of Parasol Mushroom (*Macrolepiota procera*) and Weeping Bolete (*Suillus ganulatus*) were also of interest.

After our picnic lunch here we left at 2pm and then made a brief comfort stop with the welcome opportunity also taken for cold drinks and ice creams. At 3.10pm we reached our final scheduled stop for the day at the Gotse Delchev fishponds. Here Great Reed Warbler, Little Bittern, Black Stork, Common Sandpiper and Levant Sparrowhawk were among the birds greatly appreciated by the birders. Dragonflies included Banded, Scarlet and Common Darters, Emperor, Black-tailed and Keeled Skimmers, Common Hawker and Small Pincertail, with Blue-tailed, White-legged and Small Red-eyed Damsels. Map Butterfly and Buffalo Treehopper (*Stictocephala bisonia*) were the other invertebrates of note. The flora included Flowering Rush, Great Water Plantain, Skullcap and Gipsywort as well as two further fungi *Bovista plumbea* and *Lepiota alba*.

We boarded the bus again at 4.40pm and drove on to the ski town of Bansko, where the Hotel Dumanov was to be our base for the rest of the week. We arrived here at 5.45pm and our excellent dinner at 7pm was once again eaten outside. The wooden posts supporting the shelter of our benches were decorated with the hoof brackets of *Fomes fomentarius*, making this one of the most productive days ever for Fungi on this tour. As usual the daily log rounded off the evening.

Day 5

Wednesday 30th July

Bansko; Vikren to Banderitsa; meadows above Bansko

Very pleasant, maximum temperature 32°C, sunny and dry.

Past experience has shown that our Bansko location, in the centre of a busy town, is not conducive to a meaningful pre-breakfast walk so none is organised. Nonetheless there is the compensation that there is invariably a range of moths and other insects attracted overnight to lit balconies. Species caught are boxed and passed round at breakfast prior to subsequent release. This morning these included a number of micro-moths: Spindle Ermine (*Yponomeuta cagnagella*), *Catoptria falsella* and the Rose Plume Moth *Cnaemidophorus rhododactyla*. The only larger moth was Scarce Footman, but the brown lacewing *Megalomus tortricoides* was a bonus and a species not present in the UK.

After an excellent breakfast we drove to the mountain hut at Vikren at 1,950 metres, arriving at 9.45am. From here we walked downhill along the roadside to Banderitsa at 1,785 metres. The higher plant flora here was excellent and included choice plants such as *Allium flavum*, *Erigeron atticus*, *Bupleurum sibthorpiatum*, *Rhinanthus rumelicus*, *Digitalis lutea*, *Scutellaria alpina*, *Teucrium chamaedrys*, *Dianthus petraeus*, *D.gigantaeformis*, *Polygala major*, *Asynema canescens*, *Onobrychis montana*, *Scorzonera purpurea*, *Gentiana lutea* and the endemic butterwort *Pinguicula balcanica*. Birders had views of Nutcracker, Red Crossbill, Ring Ouzel, Alpine Chough and Raven. This is also a good site for butterflies and among the very many that were seen on this walk were Common Brassy Ringlet, Arran Brown, Eastern Large Heath, Large Grizzled Skipper, Clouded Apollo, Scarce Swallowtail, Amanda's Blue and Ripart's Anomalous Blue. Several moth species were also in evidence including Common Marbled Carpet, larval galls of Pine Resin Gall Moth (*Retinia resinella*), the attractive *Oncocera semirubella* and a Pyralid species recently recognised as new to science and still awaiting formal description. Two other attractive insects were the bush cricket *Poecilimon orbelicus* and the yellow and black plant hopper *Evacanthus interruptus*.

Our bus had preceded us down and after our lunch, supplemented by cold drinks and ice creams from the café, we left here and 2.45pm. After just 10 minutes we stopped briefly by the roadside for an excellent colony of Red Helleborine, with many taking the opportunity to photograph these.

We continued down to another regular site, some meadows above Bansko, reaching the stopping place to start the walk to these at 3.25pm. Plants added to the list here included Downy-leaved Hawthorn, *Ajuga laxmannii*, and *Chamerion dodonaei*. Among the butterflies were Black-veined White, Great Banded Grayling, Silver-washed and Dark Green Fritillaries, Cardinal, Pearly Heath, normal Meadow Browns as well as some distinctive variations of this. The day-flying moths included Feathered Footman and the very pretty burnet *Zygaena carniolica*, which lacks an authentic English name. Among other insects noted here were the grasshopper *Calliptamus italicus*, the shieldbug *Carpocoris purpureipennis* and Noon Fly (*Mesembrina meridiana*).

We were back at the hotel at 5.50pm and after another tasty dinner followed by the lists, all were ready to retire.

Day 6

Thursday 31st July

Meadows near Gotse Delchev, meadows above Dobrinishte fishponds; Bansko old town.

Mainly sunny, a thundery shower pm, max temp 27°C but cooler at Bezbog.

There had been several new moths at light overnight these being Common Silver Y, Toadflax Brocade, Least Carpet, Codling Moth (*Cydia pomonella*), *Emmelina monodactyla*, *Argyresthia conjugella*, *Agriphila brioniella*, *Isophrictis striatella* and *Palpita vitrealis* (the last named an uncommon migrant to the UK). Most of these were collected by Helen and Andrew.

The weather forecast at altitude was not good so plans to visit Bezbog Lake had to be abandoned, as the chairlift was not operating. We nonetheless left the hotel on time at 9am and headed for the meadows near Gotse Delchev (near to the start of the chairlift, in case things improved). Arriving at the meadows at 9.40am we had a productive and interesting morning, with the weather remaining fine. The flora was good and included Creeping Jenny, Yellow Loosestrife, Ragged Robin, Grass of Parnassus, Red Avens (*Geum coccineum*), *Silene roemerii*, *Armeria rumelica*, *Allium melanantherum*, *Linaria genistifolia* and Marsh Helleborine, whilst Fungi again attracted interest with these including *Agrocybe arvalis*, *Marasmius oreades* (Fairy Ring Champignon), *Vascellum pratense* (Meadow Puffball), and the orange-red bracket fungus *Pycnoporus cinnabarinus* (very rare and possibly extinct in the UK). The moss species *Philonotis fontana* was also photographed by at least one of the group. Scarce, Sooty, Purple-shot and Balkan Coppers were all seen here, with the last of these new for the week. Other insects observed were Common Footman, Minor Shoulder Knot and Shaded Broad-bar moths, the sexually dimorphic plant hopper *Cicadella viridis* (the forewings of the female are bright turquoise green, but those of the male are blue-purple), Wart Biter Bush-Cricket (*Decticus verrucivorus*), the shiny yellow-green Small Gold Grasshopper (*Euthystira brachyptera*), the very attractive Large Banded Grasshopper (*Arcyptera fusca*) and the groundhopper *Tetrix depressa* (= *Uvarovitettix*). A Slow Worm was another nice find.

At 11.25am, with no change in the situation regarding the chairlift and with cloud building in that direction, we headed to another site above Dobrinishte, near to a fish farm, where we spent an hour. This new site was somewhat disappointing with the best finds the bug *Adelphocoris seticornis*, Noon Fly (*Mesembrina meridiana*), a Bee Chafer and an Oak Spider. At 12.30pm we headed into the fish farm restaurant where we enjoyed an excellent trout lunch. On the walls was a rather battered specimen of Pine Hawk-moth, Pine Tree Lappet, Willow Beauty and Garden Carpet moths, as well as the caddis fly *Odontocerum hellenicum* (a species not present in the UK). Maintaining their interest in Fungi, members of the group spotted *Meripilus giganteus* (Giant Polypore) and *Ganoderma australe* (Southern Artist's Bracket Fungus). A Poplar Admiral butterfly put in an all too brief appearance, so was unfortunately only seen by a few of the group. This was therefore a beneficial stop in many ways!

Walking on from here, the plants noted included Dwarf Elder (also known as Danewort), Small-leaved Lime, Large Hemp Nettle, *Sedum cepaea* and *Hypericum olympicum* with the best of the invertebrates being Marbled Fritillary, Scarlet Tiger moth, the impressive *Volucella zonaria* (the largest of our UK hoverfly species) and the white colour form of the spider *Misumenia vatia*. The rain that had been threatening for some time started at 2.25pm and was soon quite heavy. As if by remote control, our bus appeared to pick us up. We made a brief stop at an interesting church in Gotse Delchev and some took the opportunity for a coffee. We made another stop soon after for a Lesser Spotted Eagle, but with the rain setting in, several decided that they wished to return to

the hotel, whilst others elected to explore the old part of Bansko. We still managed to eat our evening dinner outside, though under the shelter, and with lists completed by 8.55pm, most decided on an early night.

Day 7

Friday 1st August

Bansko; near Rila along Iliina River; Rila Monastery

Mostly wet, cloudy and misty. Maximum temperature 20°C

Moths at light overnight were mostly as previously, though Light Emerald, Rush Veneer, Rusty Dot Pearl and a *Synaphe* species were additions. It was not possible to identify the last of these to species from images as members of this genus can only be reliably identified by dissection.

We had arranged for breakfast half an hour earlier in order to make the most of the day and hopefully re-schedule the visit to Bezbog, but sadly the weather conditions and the forecast ruled that out. We therefore made the decision to go to Rila where it was suggested that conditions were likely to be better. We left the hotel at 8.35am and by 10.25am we had reached a site alongside the Iliina River, situated between Rila town and the monastery. Here we walked for a couple of hours, seeing a good range of insect species considering the conditions. Among those seen were Lulworth Skipper, the attractive Purple-barred Yellow moth, Mother of Pearl moth, the hoverfly *Volucella pellucens* and Hornet. Three attractive Mirid Bug species were subsequently identified from images as *Adelphocoris vandalicus*, *Oncotylus setulosus* (= *Cylindromerus*) and *Polymerus unifasciatus*. Higher plants included Touch-me-not Balsam, *Rhinanthus rumelicus* and *Dianthus deltoides*. Many fungi were also seen, several of these species already noted during the week, among the new ones being *Schizophyllum commune* (Common Porecrust or Split Gill) *Dacrymyces stillatus* (Common Jellyspot), *Tapbrina alni* (Alder Tongue) causing impressive red tongue galls emergent from Alder cones.

We then drove on to the Restaurant Zodiac for a 'light lunch' that comprised a choice of either bean or chicken soup with bread followed by omelette and chips. As with yesterday, it proved a productive place, particularly for insects attracted to light. The moths comprised Common Marbled Carpet, Small Fan-footed Wave, Large White Plume, another fine specimen of Pine Tree Lappet and a much better Pine Hawk-moth specimen than yesterday, while those visiting the toilets attention drew attention to four of caddis on the walls. These were photographed in slightly more salubrious situations and subsequently identified by the leading UK specialist on this group as *Micropterna sequax*, *Rhyacophila loxias*, *Rhyacophila occidentalis* and *Hydropsyche* sp. The last of these was a female and could not be identified to species from images, but it was not one of the UK members of the genus. In fact only the first of these occurs in the UK. Several large *Helix lucorum* snails (the Eastern European relative of Roman Snail) were enjoying the damp vegetation. Some fine plants of Heart-leaved Ox-eye (*Telekia speciosa*) were growing by the river and Broad-leaved Helleborine was also spotted, as was yet another new toadstool for the week, *Suillus grevillei* (Larch Bolete). It was again a very satisfying stop in more ways than one.

We left here at 2.25pm and drove on to the monastery of St Ivan of Rila. Founded in the tenth century, this is regarded as one of Bulgaria's most important cultural, historical and architectural monuments and is a key tourist attraction. The group was able to explore the monastery itself and the excellent museum. Pallid Swifts wheeled overhead and there was also another good selection of moths on the walls including Grey Arches, Pretty Chalk Carpet and *Idaea deversaria*. The last has no English name as it does not occur in the UK, though we do have a large number of others from this genus.

The group reassembled at the bus at 3.45pm and we travelled back to Bansko. Before returning to the hotel, we stopped for the opportunity to photograph the famous Bansko washing machine. This draws water from the river via a wooden conduit. Some of the group crossed the road to look at the river and immediately spotted a Dipper. Other than that, the only other birds of note seen during the day were Marsh Tit and Hobby. We were back at the hotel at 3.50pm allowing good time before our 7pm dinner, lists and individual highlights of the week.

Day 8

Saturday 2nd August

Depart Bansko; drive to Sofia; flight to Heathrow

A good range of moths had been attracted overnight, the new ones being Tawny Wave, Blair's Mocha, Scarce Bordered Straw, *Scythris limbella* and *Plutella xylostella*, in addition to a number we had had here and elsewhere previously.

Breakfast was again taken early, and having loaded luggage, paid bills and thanked the excellent hotel staff, we left at 8.30am, ironically in fine weather! At 8.50am we made a brief stop at a meadow where a few invertebrates and birds were noted; the former including Spotted Fritillary, Ochraceous Wave moth and two spiders, the small green spider *Araniella* sp. (probably *A.cucurbitina*) and the crab spider *Thomisus onustus*. Among the birds were Yellowhammer, Red Crossbill and Red-backed Shrike. Greatest interest, however, centred on a very attractive lichen which I was subsequently able to get identified by a specialist from my images as *Anaptychia ciliaris* ssp. *ciliaris*. Our onward journey was halted by major road works necessitating a big diversion. (We were clearly on our way home!).

In the course of the journey the best bird seen was Little Owl. We made a comfort stop at a service station at 10.15am. Here group members were individually able to select what they wanted to take away for lunch later. Before continuing, thanks and a presentation were made to Assen and to our excellent driver. Mike then spotted a tiny insect on the bus - a Broom Hopper (*Gagara genistae*). As the name suggests, this is associated with Broom and although it occurs southern Britain, it is scarce.

Birds seen on this next stage included Short-toed Eagle, Buzzard, Raven and inevitably White Storks. There was heavy traffic around Sofia, not helped by one completely closed carriageway. Nonetheless we arrived at the airport an hour and a half before takeoff which, as always here, was ample time. All were safely checked in and, as on our outward flight, take off was a few minutes late but landing ahead of schedule. All the baggage made it back to Heathrow as well as the group and after farewells all round, we continued with our individual journeys home.

Acknowledgements

My thanks to all members of the group for their company, good humour and patience, as well as for many contributions to the lists. My thanks also to my excellent Bulgarian co-leader Assen, for his local guidance, as well as identifying the butterflies and the birds. Thanks also to our careful driver and the staff in the two hotels who all did do their best for us.

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Allium melanantherum

Species Lists

Birds (✓=recorded but not counted; H = heard only)

	Common name	Scientific name	July/August									
			26	27	28	29	30	31	1	2		
1	Mallard	<i>Anas platyrhynchos</i>	✓									✓
2	Common Pochard	<i>Aythya ferina</i>				✓						
3	Little Grebe	<i>Tachybaptus ruficollis</i>				h						
4	Great Crested Grebe	<i>Podiceps cristatus</i>	✓									
5	Black Stork	<i>Ciconia nigra</i>	✓		✓							
6	White Stork	<i>Ciconia ciconia</i>	✓	✓	✓	✓					✓	✓
7	Little Bittern	<i>Ixobrychus minutus</i>				✓						
8	Grey Heron	<i>Ardea cinerea</i>	✓		5							
9	Little Egret	<i>Egretta garzetta</i>			6							
10	Great Cormorant	<i>Phalacrocorax carbo</i>			4	✓					✓	
11	European Honey Buzzard	<i>Pernis apivorus</i>	2	✓	2	✓	✓	✓				
12	Griffon Vulture	<i>Gyps fulvus</i>	✓		✓							
13	Short-toed Snake Eagle	<i>Circaetus gallicus</i>										✓
14	Levant Sparrowhawk	<i>Accipiter brevipes</i>		?		✓						
15	Common Buzzard	<i>Buteo buteo</i>	✓	✓	✓	✓				✓	✓	✓
16	Long-legged Buzzard	<i>Buteo rufinus</i>	✓									
17	Lesser Spotted Eagle	<i>Aquila pomarina</i>								✓		
18	Booted Eagle	<i>Hieraetus pennatus</i>			✓							
19	Lesser Kestrel	<i>Falco naumanni</i>	✓	✓	✓	✓	✓	✓				
20	Eurasian Hobby	<i>Falco subbuteo</i>									✓	
21	Common Moorhen	<i>Gallinula chloropus</i>				✓						
22	Common Sandpiper	<i>Actitis hypoleucos</i>				✓						
23	Common Pigeon/Rock Dove	<i>Columba livia (feral)</i>	✓	✓	✓					✓		✓
24	Stock Dove	<i>Columba oenas</i>	✓	✓								
25	Common Wood Pigeon	<i>Columba palumbus</i>	✓							✓	✓	✓
26	European Turtle Dove	<i>Streptopelia turtur</i>		✓	✓	✓						
27	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	Eurasian Scops Owl	<i>Otus scops</i>				✓	h					
29	Little Owl	<i>Athene noctua</i>		✓	2	✓	✓	✓				✓
30	Common Swift	<i>Apus apus</i>	✓	✓	✓	✓	✓	✓		✓		✓
31	Pallid Swift	<i>Apus pallidus</i>								✓	✓	
32	Common Kingfisher	<i>Alcedo atthis</i>				h						
33	European Bee-eater	<i>Merops apiaster</i>	✓	✓	✓	✓					✓	
34	Eurasian Hoopoe	<i>Upupa epops</i>		✓		✓						
35	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>		✓		✓						
36	Middle Spotted Woodpecker	<i>Dendrocopos medius</i>		✓	h							
37	Syrian Woodpecker	<i>Dendrocopos syriacus</i>		✓		✓						
38	Great Spotted Woodpecker	<i>Dendrocopos major</i>		✓	✓	✓						
39	Grey-headed Woodpecker	<i>Picus canus</i>		h	h							
40	Red-backed Shrike	<i>Lanius collurio</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	Lesser Grey Shrike	<i>Lanius minor</i>		✓	✓	✓						
42	Woodchat Shrike	<i>Lanius senator</i>		✓	✓	✓					✓	
43	Eurasian Golden Oriole	<i>Oriolus oriolus</i>	✓	✓	h	h						
44	Eurasian Jay	<i>Garrulus glandarius</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	
45	Eurasian Magpie	<i>Pica pica</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46	Spotted Nutcracker	<i>Nucifraga caryocatactes</i>				✓	✓	h				
47	Alpine Chough	<i>Pyrrhocorax graculus</i>					✓					

	Common name	Scientific name	July/August							
			26	27	28	29	30	31	1	2
48	Western Jackdaw	<i>Coloeus monedula</i>	✓			✓			✓	
49	Rook	<i>Corvus frugilegus</i>	✓			✓				
50	Hooded Crow	<i>Corvus cornix</i>	✓	✓	✓	✓	✓		✓	
51	Northern Raven	<i>Corvus corax</i>	✓	✓	✓		✓	h		✓
52	Marsh Tit	<i>Poecile palustris</i>				✓			✓	
53	Sombre Tit	<i>Poecile lugubris</i>		✓	6	✓		✓		
54	Coal Tit	<i>Periparus ater</i>				✓	✓	✓		
55	Great Tit	<i>Parus major</i>	✓	✓	✓	✓	✓	✓	✓	✓
56	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>						✓	✓	
57	Eurasian Penduline Tit	<i>Remiz pendulinus</i>				h				
58	Calandra Lark	<i>Melanocorypha calandra</i>		✓		✓				
59	Crested Lark	<i>Galerida cristata</i>		✓	✓					
60	Woodlark	<i>Lullula arborea</i>			✓					
61	Sand Martin	<i>Riparia riparia</i>	✓							
62	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓	✓	✓	✓	✓
63	Eurasian Crag Martin	<i>Ptyonoprogne rupestris</i>	✓		✓	✓	✓		✓	
64	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	✓	✓	✓	✓	✓
65	Red-rumped Swallow	<i>Cecropis daurica</i>		✓	✓	✓	✓	✓	✓	✓
66	Cetti's Warbler	<i>Cettia cetti</i>				h				
67	Long-tailed Tit	<i>Aegithalos caudatus</i>		✓				✓		
68	Common Chiffchaff	<i>Phylloscopus collybita</i>	✓	✓	✓	✓	✓	✓	✓	
69	Eastern Bonelli's Warbler	<i>Phylloscopus orientalis</i>				✓				
70	Wood Warbler	<i>Phylloscopus sibilatrix</i>					✓			
71	Willow Warbler	<i>Phylloscopus trochilus</i>					✓			
72	Great Reed Warbler	<i>Acrocephalus arundinaceus</i>				✓				
73	Eastern Olivaceous Warbler	<i>Iduna pallida</i>		✓	✓	✓				
74	Icterine Warbler	<i>Hippolais icterina</i>				✓				
75	Eurasian Blackcap	<i>Sylvia atricapilla</i>			✓	✓	✓			
76	Lesser Whitethroat	<i>Sylvia curruca</i>	✓	✓	✓	✓				
77	Eastern Orphean Warbler	<i>Sylvia crassirostris</i>				✓				
78	Common Whitethroat	<i>Sylvia communis</i>	✓	✓		✓		✓		
79	Eurasian Wren	<i>Troglodytes troglodytes</i>			✓	✓				
80	Eurasian Nuthatch	<i>Sitta europaea</i>			✓					
81	Western Rock Nuthatch	<i>Sitta neumayer</i>		h						
82	Eurasian Treecreeper	<i>Certhia familiaris</i>			h		h			
83	Common Starling	<i>Sturnus vulgaris</i>	✓	✓	✓	✓		✓	✓	✓
84	Ring Ouzel	<i>Turdus torquatus</i>					✓			
85	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓	✓	✓	✓	✓
86	Song Thrush	<i>Turdus philomelos</i>			✓	✓				
87	Mistle Thrush	<i>Turdus viscivorus</i>		✓	✓		✓			
88	European Robin	<i>Erithacus rubecula</i>	✓	✓	✓	✓	✓	✓	✓	
89	Common Nightingale	<i>Luscinia megarhynchos</i>		✓	✓	h				
90	Black Redstart	<i>Phoenicurus ochruros</i>				✓	✓	✓	✓	
91	Northern Wheatear	<i>Oenanthe oenanthe</i>						✓		
92	Black-eared Wheatear	<i>Oenanthe hispanica</i>		✓						
93	Spotted Flycatcher	<i>Muscicapa striata</i>						✓		
94	White-throated Dipper	<i>Cinclus cinclus</i>						✓	✓	
95	House Sparrow	<i>Passer domesticus</i>	✓	✓	✓	✓	✓	✓	✓	✓
96	Spanish Sparrow	<i>Passer hispaniolensis</i>	✓	✓	✓	✓		✓	✓	
97	Dunnock	<i>Prunella modularis</i>					✓			
98	Grey Wagtail	<i>Motacilla cinerea</i>		✓	✓	✓		✓	✓	

	Common name	Scientific name	July/August							
			26	27	28	29	30	31	1	2
99	White Wagtail	<i>Motacilla alba</i>	✓	✓	✓	✓		✓	✓	✓
100	Common Chaffinch	<i>Fringilla coelebs</i>	✓	✓	✓	✓	✓	✓	✓	✓
101	European Serin	<i>Serinus serinus</i>				✓	✓	✓	✓	
102	European Greenfinch	<i>Carduelis chloris</i>	✓	✓	✓	✓	✓			
103	Eurasian Siskin	<i>Carduelis spinus</i>					✓			
104	European Goldfinch	<i>Carduelis carduelis</i>	✓	✓	✓	✓	✓	✓	✓	✓
105	Common Linnet	<i>Linaria cannabina</i>			✓	✓				
106	Red Crossbill	<i>Loxia curvirostra</i>					✓	✓	h	h
107	Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>				✓	✓			
108	Hawfinch	<i>Coccothraustes coccothraustes</i>			✓	h				
109	Corn Bunting	<i>Emberiza calandra</i>		✓		✓				
110	Yellowhammer	<i>Emberiza citrinella</i>					✓	✓		✓
111	Rock Bunting	<i>Emberiza cia</i>				✓				
112	Ortolan Bunting	<i>Emberiza hortulana</i>		h						
113	Cirl Bunting	<i>Emberiza cirlus</i>		✓	✓	✓				
114	Black-headed Bunting	<i>Emberiza melanocephala</i>			✓	✓				

Mammals

1	Eastern Hedgehog	<i>Erinaceus concolor (=roumanicus)</i>			†	†				
2	Red Squirrel	<i>Sciurus vulgaris</i>				✓				
3	European Wild Cat	<i>Felis silvestris</i>			✓					
4	European Pine Marten	<i>Martes martes</i>			†					

Reptiles/Amphibians

1	Spur-thighed Tortoise	<i>Testudo graeca</i>								†
2	European Pond Terrapin	<i>Emys orbicularis</i>		✓						
3	Kotschy's Gecko	<i>Cyrtopodion kotschyi bibroni</i>	✓							
4	Green Lizard	<i>Lacerta viridis</i>			✓			✓		
5	Balkan Green Lizard	<i>Lacerta trilineata</i>		✓						
6	Common Wall Lizard	<i>Podarcis muralis</i>	✓			✓		✓		
7	Balkan Wall Lizard	<i>Podarcis taurica</i>			✓					
8	Slow Worm	<i>Anguis fragilis</i>					✓	✓		
9	Grass Snake	<i>Natrix natrix</i>			✓					
10	Yellow-bellied Toad	<i>Bombina variegata</i>			✓					
11	Common Toad	<i>Bufo bufo</i>				✓	†			
12	Common Frog	<i>Rana temporaria</i>				✓				
13	Marsh Frog	<i>Pelodytes (Rana) ridibundus</i>		✓	✓	✓				

Fish

1	Balkan Trout	<i>Salmo trutta fario</i>							✓	
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Butterflies

1	Large Grizzled Skipper	<i>Pyrgus alveus</i>		✓			✓			
2	Oberthür's Grizzled Skipper	<i>Pyrgus armoricanus</i>		✓	✓					
3	Mallow Skipper	<i>Carcharodus alceae</i>	✓	✓	✓		✓			
4	Tufted Marbled Skipper	<i>Carcharodes flocciferus</i>			✓					
5	Dingy Skipper	<i>Erynnis tages</i>			✓		✓	✓	✓	
6	Lulworth Skipper	<i>Thymelicus acteon</i>								✓
7	Small Skipper	<i>Thymelicus sylvestris</i>	✓			✓	✓	✓		

	Common name	Scientific name	July/August							
			26	27	28	29	30	31	1	2
8	Large Skipper	<i>Ochlodes venatus</i>					✓	✓		
9	Apollo	<i>Parnassius apollo</i>				✓				
10	Clouded Apollo	<i>Parnassius mnemosyne</i>				✓	✓			
11	Swallowtail	<i>Papilio machaon</i>		✓	✓	✓		✓		
12	Scarce Swallowtail	<i>Iphiclides podalirius</i>	✓	✓	✓	✓	✓	✓		
13	Small White	<i>Pieris rapae</i>			✓	✓		✓	✓	
14	Green-veined White	<i>Pieris napi (inc balcanica)</i>		✓	✓	✓		✓		
15	Bath White	<i>Pontia daplidice</i>			✓	✓		✓		
16	Eastern Bath White	<i>Pontia edusa</i>			✓	✓		✓		
17	Black-veined White	<i>Aporia crataegi</i>					✓	✓		
18	Large White	<i>Pieris brassicae</i>	✓	✓	✓	✓	✓	✓	✓	
19	Clouded Yellow	<i>Colias crocea</i>	✓	✓	✓	✓	✓	✓	✓	
20	Berger's Clouded Yellow	<i>Colias alfacariensis</i>						✓		
21	Mountain Clouded Yellow	<i>Colias phicomone</i>					✓			
22	Brimstone	<i>Gonepteryx rhamni</i>				✓				
23	Wood White	<i>Leptidea sinapis</i>	✓		✓	✓	✓	✓	✓	
24	Blue-spot Hairstreak	<i>Satyrrium spini</i>				✓				
25	Small Copper	<i>Lycaena phlaeas</i>		✓	✓			✓		
26	Scarce Copper	<i>Lycaena virgaureae</i>				✓	✓	✓	✓	
27	Sooty Copper	<i>Lycaena tityrus</i>			✓			✓	✓	
28	Purple-shot Copper	<i>Lycaena alciphron</i>		✓			✓	✓		
29	Large Copper	<i>Lycaena dispar</i>					✓			
30	Balkan Copper	<i>Lycaena candens</i>						✓		
31	Lesser Fiery Copper	<i>Lycaena thersamon</i>		✓	✓					
32	Little Tiger Blue	<i>Tarucus balkanicus</i>		✓	✓					
33	Short-tailed Blue	<i>Cupido argiades</i>		✓	✓					
34	Little Blue	<i>Cupido minimus</i>					✓			
35	Holly Blue	<i>Celastrina argiolus</i>		✓	✓	✓				
36	Large Blue	<i>Maculinea arion</i>					✓			
37	Silver-studded Blue	<i>Plebeius argus</i>		✓	✓	✓	✓	✓	✓	
38	Idas Blue	<i>Plebeius idas</i>						✓		
39	Reverdin's Blue	<i>Plebeius argyrognomon</i>			✓		✓			
40	Blue Argus	<i>Ultraaricia anteros</i>					✓			
41	Brown Argus	<i>Aricia agestis</i>	✓	✓	✓	✓	✓	✓	✓	
42	Mountain Argus	<i>Aricia artaxerxes</i>	✓							
43	Eastern Short-tailed Blue	<i>Everes decoloratus</i>	✓							
44	Long-tailed Blue	<i>Lampides boeticus</i>		✓	✓			✓	✓	
45	Mazarine Blue	<i>Cyaniris semiargus</i>		✓						
46	Ripart's Anomalous Blue	<i>Polyommatus (=Agrodiaetus) ripartii</i>					✓			
47	Amanda's Blue	<i>Plebicula amanda</i>					✓			
48	Meleager's Blue	<i>Meleageria daphnis</i>	✓	✓						
49	Chalk-hill Blue	<i>Lysandra coridon</i>					✓			
50	Adonis Blue	<i>Lysandra bellargus</i>			✓		✓			
51	Common Blue	<i>Polyommatus icarus</i>	✓	✓		✓	✓	✓	✓	✓
52	False Eros Blue	<i>Polyommatus eroides</i>					✓			
53	Freyer's Purple Emperor	<i>Aptura metis</i>	✓							
54	Southern White Admiral	<i>Limenitis reducta</i>		✓						
55	White Admiral	<i>Limenitis camila</i>			✓					
56	Poplar admiral	<i>Limenitis populi</i>						✓		
57	Hungarian Glider	<i>Neptis rivularis</i>	✓	✓	✓					
58	Common Glider	<i>Neptis sappho</i>	✓							

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			26	27	28	29	30	31	1	2
59	Peacock Butterfly	<i>Inachis io</i>				✓				
60	Red Admiral	<i>Vanessa atalanta</i>				✓		✓		
61	Painted Lady	<i>Vanessa cardui</i>		✓	✓	✓	✓	✓		
62	Small Tortoiseshell	<i>Aglais urticae</i>				✓				
63	Comma	<i>Polygonia c-album</i>	✓	✓	✓	✓	✓	✓		
64	Southern Comma	<i>Polygonia egea</i>		✓						
65	Map Butterfly	<i>Araschnia levana</i>				✓				
66	Cardinal	<i>Pandoriana pandora</i>				✓	✓			
67	Silver-washed Fritillary	<i>Argynis paphia</i>	✓	✓	✓	✓	✓	✓	✓	
68	Dark Green Fritillary	<i>Argynnis aglaja</i>					✓			
69	Queen of Spain Fritillary	<i>Issoria lathonia</i>				✓	✓			
70	Marbled Fritillary	<i>Brenthis daphne</i>						✓		
71	Knapweed Fritillary	<i>Melitaea phoebe</i>		✓			✓	✓		
72	Spotted Fritillary	<i>Melitaea didyma</i>		✓	✓	✓	✓	✓	✓	✓
73	Lesser Spotted Fritillary	<i>Melitaea trivia</i>	✓	✓						
74	Glanville Fritillary	<i>Melitaea cinxia</i>	✓				✓			
75	Heath Fritillary	<i>Mellicta athalia</i>						✓		
76	Marbled White	<i>Melanargia galathea</i>	✓			✓	✓	✓	✓	✓
77	Tree Grayling	<i>Hipparchia statilinus</i>			✓					
78	Great Banded Grayling	<i>Hipparchia (=Kanetisa) circe</i>	✓		✓	✓	✓	✓	✓	
79	Delatin's Grayling	<i>Hipparcha volgensis</i>	✓							
80	Freyer's Grayling	<i>Neohipparchia fatua</i>			✓					
81	Arran Brown	<i>Erebia ligea</i>				✓	✓			
82	Woodland Ringlet	<i>Erebia medusa</i>				✓	✓			
83	Ottoman Brassy Ringlet	<i>Erebia ottomana</i>					✓			
84	Common Brassy Ringlet	<i>Erebia cassioides</i>					✓			
85	Black Ringlet	<i>Erebia melas</i>					✓			
86	Bright-eyed Ringlet	<i>Erebia oeme</i>					✓			
87	Meadow Brown	<i>Maniola jurtina</i>	✓	✓	✓	✓	✓	✓	✓	✓
88	Ringlet	<i>Aphantopus hyperantus</i>	✓	✓		✓	✓	✓		
89	Gatekeeper	<i>Pyronia tithonus</i>		✓	✓	✓				✓
90	Pearly Heath	<i>Coenonympha arcania</i>	✓	✓			✓			
91	Eastern Large Heath	<i>Coenonympha rhodopensis</i>					✓			
92	Small Heath	<i>Coenonympha pamphilus</i>	✓	✓	✓	✓	✓	✓	✓	
93	Speckled Wood	<i>Pararge aegeria</i>	✓	✓	✓	✓	✓			
94	Wall Brown	<i>Lasiommata megera</i>			✓	✓		✓		
95	Large Wall Brown	<i>Lasiommata maera</i>		✓				✓		
96	Nettle Tree butterfly	<i>Libythea celtis</i>				✓	✓			

Moths

1	Dusky Clearwing	<i>Paranthrene tabaniformis f rhingiaeformis</i>						✓	✓	
2	Sallow Clearwing	<i>Synanthedon flaviventris</i>				✓				
3	Spurge Hawkmoth	<i>Hyles euphorbiae</i>		✓L						
4	Humming-bird Hawk-moth	<i>Macroglossum stellatarum</i>			✓	✓	✓			
5	Pine Hawk-moth	<i>Sphinx pinastri</i>						✓	✓	
6	Pine Processionary Moth web	<i>Thaumetopoea pityocampa</i>			✓	✓				
7	Nine-spotted	<i>Syntomis phegea</i>	✓	✓						
8	a Burnet moth sp.	<i>Zygaena carniolica</i>					✓			
9	Black Burnet	<i>Zygaena ephialtes</i>					✓			
10	6-spot Burnet	<i>Zygaena filipendulae</i>					✓			

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			26	27	28	29	30	31	1	2
11	Narrow-bordered 5-spot Burnet	<i>Zygaena lonicerae</i>					✓			
12	Common Forester	<i>Adscita statures</i>	✓							
13	A Forester Moth sp	<i>Adscita sp. indet.</i>					✓	✓	✓	
14	Scarlet Tiger	<i>Casillimorpha dominula</i>						✓		
15	Feathered Footman	<i>Coscinia striata</i>					✓			
16	Scarce Footman	<i>Eilema complana</i>					✓			
17	Common Footman	<i>Eilerna lurideola</i>		✓			✓	✓	✓	
18	Jersey Tiger	<i>Euplagia quadripunctaria</i>			✓				✓	
19	Pine-Tree Lappet	<i>Dendrolimus pini</i>						✓	✓	
20	Light Emerald	<i>Campaea margaritata</i>							✓	✓
21	Common Marbled Carpet	<i>Chloroclysta (Dysstroma) truncata</i>					✓		✓	
22	Blair's Mocha	<i>Cyclophora puppillaria</i>								✓
23	Common Heath	<i>Ematurga atomaria</i>					✓			
24	Common Emerald	<i>Hemithea aestivaria</i>					✓			
25	Riband Wave	<i>Idaea aversata</i>					✓			
26	Small Fan-footed Wave	<i>Idaea biselata</i>							✓	
27		<i>Idaea deversaria</i>							✓	
28	Least Carpet	<i>Idaea rusticata</i>						✓	✓	✓
29	Ochraceous Wave	<i>Idaea serpentata</i>								✓
30	Purple-barred Yellow	<i>Lythria purpuraria</i>							✓	
31	Pretty Chalk Carpet	<i>Melanthia procellata</i>							✓	
32	Willow Beauty	<i>Peribatodes rhomboidaria</i>						✓		
33	Tawny Wave	<i>Scopula rubiginata</i>								✓
34	Shaded Broad Bar	<i>Scotopteryx chenopodiata</i>						✓		
35	Garden Carpet	<i>Xantharhoe fluctuata</i>						✓		
36	Dark Arches	<i>Apameae monoglypha</i>								✓
37	Silver Y	<i>Autographa gamma</i>						✓	✓	✓
38	Minor Shoulder Knot	<i>Brachylomia viminalis</i>						✓		
39	Toadflax Brocade	<i>Calophasia lunula</i>						✓		
40	Burnet Companion	<i>Euclidia glyphica</i>							✓	
41	Scarce Bordered Straw / Cotton Bollworm	<i>Helicoverpa armigera</i>								✓
42	Grey Arches	<i>Pohlia nebulosa</i>							✓	
43		<i>Schinia cognata</i>		✓						
44		<i>Agriphila brionella</i>						✓		
45		<i>Agriphila straminella</i>							✓	
46		<i>Argyresthia conjugella</i>						✓		
47	Horse-Chestnut Leaf miner	<i>Cameraria ohridella</i>		✓	✓				✓	
48		<i>Catoptria falsella</i>					✓		✓	
49		<i>Catoptria pinella</i>							✓	
50		<i>Capperia fusca</i>		✓						
51	Rose Plume	<i>Cnaemidophorus rhododactyla</i>					✓	✓		
52	Codling Moth	<i>Cydia pomonella</i>						✓		
53		<i>Emmelina monodactyla</i>						✓		✓
54		<i>Epiblema foenella</i>					✓			
55		<i>Isophrictis striatella</i>						✓		
56	sp. nov. (name not yet published)	<i>Mecyna slamkai</i>					✓			
57	Rush Veneer	<i>Nomophila noctuella</i>							✓	✓
58		<i>Oncocera semirubella</i>					✓			
59		<i>Palpita vitrealis</i>						✓	✓	✓
60	Mother of Pearl	<i>Pleuroptya ruralis</i>							✓	

	Common name	Scientific name	July/August									
			26	27	28	29	30	31	1	2		
61	Diamondback	<i>Plutella xylostella</i>										✓
62	Pine Resin Gall Moth (as galls on Pine)	<i>Retinia resinella</i>						✓				
63	Goosefoot Owlet	<i>Scythris limbella</i>										✓
64	Rusty Dot Pearl	<i>Udea ferrugalis</i>									✓	
65	Spindle Ermine	<i>Yponomeuta cagnagella</i>						✓			✓	

Dragonflies

1	Banded Demoiselle	<i>Calopteryx splendens</i>		✓	✓	✓						
2	Beautiful Demoiselle	<i>Calopteryx virgo</i>	✓		✓	✓						
3	Blue-tailed Damselfly	<i>Ischnura elegans</i>		✓		✓						
4	Small Red-eyed Damselfly	<i>Erythromma viridulum</i>		✓		✓						
5	White-legged Damselfly	<i>Platycnemis pennipes</i>		✓	✓	✓						
6	Common Hawker	<i>Aeshna juncea</i>				✓						
7	Migrant Hawker	<i>Aeshna mixta</i>			✓							
8	Emperor Dragonfly	<i>Anax imperator</i>				✓						
9	Small Pincertail	<i>Onychogomphus forcipatus</i>	✓		✓							
10	Balkan Goldenwing	<i>Cordulegaster heros</i>	✓			✓	✓					
11	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>				✓						
12	Keeled Skimmer	<i>Orthetrum coerulescens</i>				✓						
13	Southern Skimmer	<i>Orthetrum brunneum</i>		✓								
14	Banded Darter	<i>Sympetrum pedemontanum</i>				✓						
15	Common Darter	<i>Sympetrum striolatum</i>				✓	✓					
16	Red-veined Darter	<i>Sympetrum fonscolombii</i>				✓						
17	Scarlet Darter	<i>Crocothemis erythraea</i>		✓		✓						
18	Broad-bodied Chaser	<i>Libellula depressa</i>	✓	✓								

Plecoptera (Stoneflies)

1	a large stonefly sp. indet						✓					
2	Ephemeroptera (Mayflies)											
3	small mayfly sp.						✓	✓				

Neuroptera (Lacewings, Ant-lions etc)

1	a green lacewing sp.	<i>Chrysoperla carnea agg.</i>							✓			
2	Large Mottle-winged Ant-lion	<i>Palpares libelluloides</i>			✓	✓						
3	an Ant-lion sp.	<i>Creolon plumbeus</i>		✓	✓	✓						
4		<i>Megalomus tortricoides</i>					✓					
5	an Ant-lion sp.	<i>Myrmecaelurus trigrammus</i>			✓	✓						

Dermaptera (Earwigs)

1	Common Earwig	<i>Forficula auricularia</i>								✓	✓	
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Orthoptera (Grasshoppers & Crickets)

1	Wart-biter	<i>Decticus verrucivorus</i>								✓		
2	a Bush Cricket sp	<i>Eupholidoptera smyrnensis</i>		✓								
3	a Bush-cricket sp	<i>Leptophyes albovittata</i>								✓		
4	a Bush-cricket sp	<i>Poecilimon orbelicus</i>						✓				
5	a Bush-cricket sp	<i>Poecilimon thoracicus.</i>	✓		✓	✓	✓	✓	✓	✓		
6		<i>Tettigonia caudata</i>	✓									

	Common name	Scientific name	July/August								
			26	27	28	29	30	31	1	2	
7	a Bush-cricket sp	<i>Tylopsis lilifolia</i>		✓	✓						
8	Field Cricket	<i>Gryllus campestris</i>							h		
9	Slant-headed Grasshopper	<i>Acrida mediterranea</i>		✓	✓	✓					
10		<i>Aiolopus thalassinus</i>		✓							
11	Large Banded Grasshopper	<i>Arcyptera fusca</i>							✓		
12	Egyptian Grasshopper	<i>Anacridium aegyptium</i>							✓		
13	a grasshopper sp.	<i>Calliptamus italicus</i>						✓			
14	Small Gold Grasshopper	<i>Euthystira brachyptera</i>							✓		
15	Blue-winged Grasshopper	<i>Oedipoda caerulea</i>	✓		✓	✓					
16	Red-winged Grasshopper	<i>Oedipoda miniata</i>		✓	✓	✓				✓	
17	a Groundhopper sp.	<i>Tetrix depressa (=Uvarovitettix)</i>							✓		

Dictyoptera (Mantids etc)

1	Cone-head Mantis	<i>Empusa fasciata</i>		✓	✓						
2	Praying Mantis	<i>Mantis religiosa</i>			✓						

Hemiptera (Bugs)

1	a Pond Skater	<i>Gerris sp.</i>		✓							
2		<i>Adelphocoris lineolatus</i>								✓	
3		<i>Adelphocoris seticornis</i>							✓	✓	
4		<i>Adelphocoris vandalicus</i>								✓	
5	Bishop's Mitre	<i>Aelia acuminata</i>				✓					
6	Wheat Stink Bug	<i>Aelia rostrata</i>				✓					
7	[fam: Alydidae]	<i>Arocatus sp. ?longiceps</i>		✓							
8	[fam: Alydidae]	<i>Camptopus lateralis</i>		✓	✓	✓					
9	a Shield Bug sp	<i>Carpocoris mediterraneus</i>		✓	✓	✓	✓				
10		<i>Carpocoris sp ?pudicus</i>			✓						
11		<i>Carpocoris purpureipennis</i>						✓			
12	a Squash-bug species	<i>Centrocoris variegatus</i>			✓						
13		<i>Closterotomus biclavatus</i>						✓			
14	a Shield Bug sp	<i>Codophila varia</i>			✓						
15	Denticulate Leatherbug	<i>Coriomeris denticulatus</i>							✓		
16	Common Squash-bug / Dock Bug	<i>Coreus marginatus</i>								✓	
17	Plane Lacebug	<i>Corythucha ciliata</i>		✓							
18		<i>Deraeocoris rutilus</i>							✓		
19		<i>Dicyphus epilobii</i>								✓	
20		<i>Dicyphus pallicornis</i>						✓			
21	Hairy Shieldbug / Sloe Bug	<i>Dolycoris baccarum</i>	✓	✓				✓			
22	Ornate Shieldbug	<i>Eurydema ornata</i>		✓							
23	AC Milan Bug	<i>Graphosoma lineatum (= italicum)</i>			✓	✓			✓		
24	a Shield Bug sp	<i>Mustha spinosula</i>			✓						
25		<i>Odontotarsus robustus</i>			✓						
26		<i>Oncotylus setulosus</i>								✓	
27	Green Shieldbug	<i>Palomena prasina</i>			✓						
28	Forest Bug	<i>Pentatoma rufipes</i>								✓	
29	Gorse Shieldbug	<i>Piezodorus lituratus</i>		✓							
30		<i>Polymerus unifasciatus</i>								✓	
31	a spotted Shieldbug sp	<i>Psacasta exanthematica</i>			✓						
32	an Assassin Bug	<i>Rhinocoris iracundus</i>						✓			
33	a red and black bug sp. [fam:	<i>Spilostethus saxatilis (=Lygaeus)</i>		✓							

	Common name	Scientific name	July/August								
			26	27	28	29	30	31	1	2	
	Lygaeidae]										
34		<i>Tholagmus flavolineatus</i>		✓							
35		<i>Aphrophoraalni</i>			✓	✓			✓	✓	
36	a Cicada	<i>Cicadaorni</i>			✓						
37	a 'frohopper' sp.	<i>Cicadella viridis</i>							✓		
38		<i>Evacanthus interruptus</i>						✓			
39		<i>Populicerus populi</i>							✓		
40	Buffalo Treehopper	<i>Stictocephala bisonia</i>				✓					
41		<i>Psyllaalni</i>							✓		
42		<i>Adelges abietis</i>						✓			
43	Pink Tansy Aphid	<i>Metopeurum fuscoviride</i>	✓						✓		
44	as gall on Ulmus sp	<i>Schizoneura lanuginosa</i>				✓					
45	as gall on Ulmus sp	<i>Tetraneura ulmi</i>				✓					

Trichoptera (Caddis-flies)

1	a Caddis sp. (female indet)	<i>Hydropsyche sp. (female)</i>						✓		✓	
2		<i>Odontocerum hellenicum</i>							✓		
3		<i>Rhyacophila loxias</i>								✓	
4		<i>Rhyacophila occidentalis</i>								✓	
5		<i>Micropterna sequax</i>								✓	

Diptera (Two-winged Flies)

1	a Horsefly sp. [fam: Tabanidae]	<i>Atylotus loewianus</i>							✓		
2	a Horsefly sp. [fam: Tabanidae]	<i>Chrysops caecutiens</i>				✓	✓				
3	[fam: Tachinidae]	<i>Eriothrix rufomaculata</i>					✓				
4	Drone-fly [fam: Syrphidae]	<i>Eristales tenax</i>					✓				
5	Noon Fly	<i>Mesembrina meridiana</i>					✓	✓			
6	as gall on Fagus sylvatica	<i>Mikiola fagi</i>							✓		
7	[fam: Tachinidae]	<i>Phasia hemiptera</i>			✓						
8	a Horsefly sp. [fam: Tabanidae]	<i>Philipomyia aprica</i>				✓					
9	a hoverfly sp.	<i>Scaeva selenitica</i>					✓				
10	a Hoverfly [fam: Syrphidae]	<i>Sphaerophoria sp.</i>					✓				
11	Pale Giant Horsefly	<i>Tabanus bovinus</i>			✓				✓		
12	Band-eyed Brown Horsefly	<i>Tabanus bromius</i>		✓	✓		✓	✓			
13	Downland Horsefly	<i>Tabanus glaucopis</i>							✓	✓	
14	Dark Giant Horsefly [fam: Tabanidae]	<i>Tabanus sudeticus</i>				✓	✓	✓			
15	a Horsefly sp. [fam: Tabanidae]	<i>Tabanus tergustinus</i>		✓	✓	✓	✓				
16	[fam: Tachinidae]	<i>Tachina fera</i>					✓				
17	a Hoverfly [fam: Syrphidae]	<i>Volucella inanis</i>		✓							
18	a Hoverfly [fam: Syrphidae]	<i>Volucella pellucens</i>				✓	✓	✓	✓		
19	a large Hoverfly [fam: Syrphidae]	<i>Volucella zonaria</i>							✓		

Hymenoptera (Bees, Wasps etc)

1	Honey Bee	<i>Apis mellifera</i>	✓	✓	✓	✓	✓	✓			
2	a Spider-hunting Wasp sp. [fam: Pompilidae]	<i>Batozonellus lacerticida</i>		✓							
3	a Sand Wasp sp. [fam: Crabronidae]	<i>Bembix bidentata</i>			✓						
4	Buff-tailed Bumblebee	<i>Bombus terrestris</i>							✓	✓	
5	a large ant species	<i>Cremogaster scutellaris</i>		✓							

	Common name	Scientific name	July/August							
			26	27	28	29	30	31	1	2
6	as Robin's Pincushion Gall	<i>Diplolepis rosae</i>	✓			✓	✓	✓	✓	✓
7	as larval leaf-mine on <i>Alnus glutinosa</i>	<i>Fenusa dohrnii</i>						✓		
8	Wood Ant	<i>Formica rufa</i>				✓	✓			
9	Black Garden Ant	<i>Lasius niger</i>	✓		✓	✓	✓	✓	✓	
10	as larval galls on <i>Salix fragilis</i>	<i>Pontania proxima</i>						✓		
11	a sawfly sp.	<i>Tenthredo sp. ?omissa</i>						✓		
12	European Hornet	<i>Vespa crabro</i>							✓	
13	Violet Carpenter Bee	<i>Xylocopa violacea</i>		✓	✓		✓			

Coleoptera (Beetles)

1	7-Spot Ladybird	<i>Coccinella 7-punctata</i>		✓			✓	✓		
2	Orange Ladybird	<i>Halyzia sedecimguttata</i>					✓			✓
3	Rose Chafer	<i>Cetonia aurata</i>			✓	✓	✓	✓		
4	Bee Chafer	<i>Trichius fasciatus</i>						✓		
5	a Flower Chafer	<i>Oxythyrea funesta</i>			✓	✓		✓		
6		<i>Trichodes crabroniformis</i>		✓						
7	a Dung Beetle sp	<i>Scarabaeus sp cf. laticollis</i>			✓					
8	Common Soldier Beetle	<i>Rhagonycha fulva</i>				✓	✓	✓	✓	✓
9	a black blister beetle with red head	<i>Epicauta rufidorsum</i>						✓		
10	a blister beetle sp. [fam: Meloidae]	<i>Mylabris variabilis</i>			✓	✓	✓	✓		
11	[fam: Buprestidae]	<i>Acmaeoderella flavofasciata</i>			✓					
12	Mint Leaf Beetle [fam: Chrysomelidae]	<i>Chrysolina menthastri</i>				✓		✓	✓	
13	Poplar Leaf Beetle [fam: Chrysomelidae]	<i>Chrysomela populi</i>						✓	✓	
14	Small Bloody-nosed Beetle	<i>Timarcha goettingensis</i>		✓						
15	a Longhorn Beetle sp [Cerambycidae]	<i>Chlorophorus varius</i>			✓					
16	a Longhorn Beetle sp [Cerambycidae]	<i>Pachytodes cerambyciformis</i>				✓				
17	a Longhorn Beetle sp [Cerambycidae]	<i>Rutpela (=Strangalia) maculata</i>	✓			✓		✓	✓	
18	a Longhorn Beetle sp [Cerambycidae]	<i>Stenurella semipunctata</i>	✓					✓		
19	a Longhorn Beetle sp [Cerambycidae]	<i>Stictoleptura rubra</i>	✓			✓		✓	✓	
20	a large weevil sp.	<i>Lixus angustatus/ algira</i>						✓	✓	
21	a large weevil sp.	<i>Larinus sp. ?turbinatus</i>				✓				

Arachnida (Spiders etc)

1	Oak Spider	<i>Aculepeira ceropegia</i>		✓	✓			✓		
2	a Funnel-web Spider	<i>Agalena labyrinthica</i>				✓				
3		<i>Araniella cucurbitana / opisthographa</i>								✓
4	an orb-web-spider	<i>Araneus circe</i>	✓							
5	Garden Spider	<i>Araneus diadematus</i>							✓	
6	Lobed Argiope Spider	<i>Argiope lobata</i>		✓	✓					
7	Wasp Spider	<i>Argiope bruennichi</i>		✓	✓		✓			
8	a crab spider	<i>Misumenia vatia</i>	✓				✓	✓		
9	Nursery-web Spider	<i>Pisaura mirabilis</i>		✓						
10	a jumping spider	<i>Salticus sp.</i>			✓					
11	Candy-striped Spider	<i>Theridion ovatum</i>							✓	

	Common name	Scientific name	July/August								
			26	27	28	29	30	31	1	2	
12		<i>Thomisus onustus</i>									✓
13	Castor Bean Tick	<i>Ixodes ricinus</i>				✓					
14	as gall on <i>Vitis vinifera</i>	<i>Colomeris vitis</i>		✓							

Myriapoda (Millipedes & Centipedes)

1	Mediterranean Banded Centipede	<i>Scolopendra cingulata</i>				✓					
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Mollusca (Snails, slugs etc.)

1		<i>Cepaea vindabonensis</i>	✓								
2		<i>Euomphalia strigella</i>	✓								
3	a Snail sp.	<i>Helix lucorum</i>	✓							✓	
4	Roman Snail	<i>Helix pomatius</i>							✓		
		<i>Zebrina detrita</i>			✓						

Plants (Including Fungi)

Scientific Name	Common Name	Dates recorded
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PTERIDOPHYTES

<i>Equisetum arvense</i>	Common Horsetail	27,
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	26,
<i>Athyrium filix-foemina</i>	Lady Fern	31,
<i>Dryopteris filix-mas</i>	Male Fern	30,
<i>Polystichum lonchitis</i>	Holly Fern	30,
<i>Pteridium aquilinum</i>	Bracken	29, 30

GYMNOSPERMS**Pinaceae**

<i>Abies borisii-regis</i>	Conifers and Allies	
	Pine family	
<i>Larix deciduas</i>	Larch	29,
<i>Picea abies</i>	Norway Spruce	29,
<i>Pinus leucodermis (inc P.heldreichii)</i>	Bosnian Pine	30, 31
<i>Pinus mugo</i>	Dwarf Mountain-pine	30, 31
<i>Pinus sylvestris</i>	Scot's Pine	29,

Cupressaceae

<i>Cupressus sempervirens</i>	Cypress family	
<i>Juniperus communis</i>	Mediterranean Cypress	1
<i>Juniperus sibirica</i>	Juniper	29,
		30,

ANGIOSPERMS**Flowering Plants****Aceraceae**

<i>Acer pseudoplatanus</i>	Maple family	
	Sycamore	31,

Anacardiaceae

<i>Cotinus coggygria</i>	Smoke Tree	02,
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Apiaceae

<i>Bupleurum sibthorpiatum (=falcatum)</i>	Carrot family	
<i>Eryngium campestre</i>	Sickle-leaf Hare's-ear	30,
<i>Heracleum sibiricum</i>	Field Eryngo	27,
<i>Pastinaca sativa</i>	Siberian Hogweed	30,
	Wild Parsnip	29,

Araliaceae

<i>Hedera helix</i>	Ivy	27,
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Asclepiadaceae

Scientific Name	Common Name	Dates recorded
<i>Cynanchum acutum</i>	Stranglewort	27,
Asteraceae	Daisy family	
<i>Achillea millefolium</i>	Yarrow	26,
<i>Achillea clypeolata</i>		28,
<i>Arctium minus</i>	Lesser Burdock	01,
<i>Artemisia vulgaris</i>	Mugwort	26,
<i>Centaurea rutifolia</i>		26,
<i>Centaurea salonitana</i> var. <i>macrantha</i>		27,
<i>Centaurea solstitialis</i>	St Barnaby's Thistle	27,
<i>Chondrilla juncea</i>	Skeletonweed	27,
<i>Cichorium intybus</i>	Chicory	26,
<i>Cirsium candelabrum</i>	Candelabra Thistle	30,
<i>Cirsium ligulare</i>		29,
<i>Echinops sphaerocephalus</i>	Pale Globe-thistle	26, 28,
<i>Erigeron acer</i>	Blue Fleabane	29, 30,
<i>Erigeron atticus</i>	Greek Fleabane	30,
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	26,
<i>Mycelis muralis</i>	Wall Lettuce	29,
<i>Pilosella officinarum</i> (<i>Hieracium pilosella</i>)	Mouse-ear Hawkweed	31,
<i>Scolymus hispanicus</i>	Spanish Oyster Thistle	27,
<i>Scorzonera purpurea</i> (inc ssp. <i>rosea</i>)		30, 31,
<i>Solidago virgaurea</i>	Goldenrod	31,
<i>Sonchus oleraceus</i>	Smooth Sowthistle	28,
<i>Tanacetum vulgare</i>	Tansy	26,
<i>Telekia speciosa</i>	Heart-leaved Ox-eye	01,
<i>Tragopogon crocifolius</i>		30,
<i>Tussilago farfara</i>	Coltsfoot	26,
<i>Xeranthemum annuum</i>	Pink Everlasting	28,
Balsaminaceae	Balsam family	
<i>Impatiens glandulifera</i>	Himalayan Balsam	26,
<i>Impatiens noli-tangere</i>	Touch-me-not	31,
Betulaceae	Birch family	
<i>Alnus glutinosa</i>	Alder	29,
<i>Betula pendula</i>	Silver Birch	26,
Bignoniaceae		
<i>Catalpa bignonioides</i>	Indian Bean Tree	29,
Boraginaceae	Borage family	
<i>Echium vulgare</i>	Viper's Bugloss	29, 31,
<i>Echium italicum</i>	Italian Viper's Bugloss	27,
<i>Heliotropium europaeum</i>	European Heliotrope	28,
Buddleiaceae		
<i>Buddleia davidii</i>	Buddleia	02,
Campanulaceae	Bellflower family	
<i>Asyneuma canescens</i>		30,
<i>Campanula patula</i> (inc <i>C.abietina</i>)	Spreading Bellflower	29,
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	30,
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	29, 30,
<i>Jasione bulgarica</i>	Bulgarian Sheep's-bit	28,
<i>Legousia speculum-veneris</i>	Large Venus Looking Glass	28,
Cannabiaceae	Hemp family	
<i>Celtis australis</i>	Nettle Tree	28,
Caprifoliaceae	Honeysuckle family	
<i>Sambucus ebulus</i>	Dwarf Elder / Danewort	26, 29,

Scientific Name	Common Name	Dates recorded
<i>Sambucus nigra</i>	Elder	roadsides
Caryophyllaceae	Pink family	
<i>Cucubalus baccifer</i>	Berry Catchfly	31,
<i>Dianthus deltoides</i>	Maiden Pink	29, 31,
<i>Dianthus petraeus</i>		30,
<i>Dianthus pinifolius</i>		29, 31,
<i>Dianthus giganteaformis</i> (=pontederiae)	Tall Pink	30,
<i>Lychnis coronaria</i>	Rose Champion	31,
<i>Lychnis flos-cuculi</i>	Ragged Robin	29, 31,
<i>Myosoton aquaticum</i>	Water Chickweed	26,
<i>Petrorhagia velutina</i> (Kohlrauschia)	Childing Pink	26,
<i>Saponaria officinalis</i>	Soapwort	26,
<i>Silene roemerii</i>		31,
<i>Silene vulgaris</i>	Bladder Champion	26,
<i>Stellaria media</i>	Common Chickweed	28,
Celastraceae		
<i>Euonymus europaeus</i>	Common European Spindle	26,
<i>Euonymus latifolius</i>	Large-leaved Spindle	26,
Ceratophyllaceae		
<i>Ceratophyllum demersum</i>	Rigid Hornwort	29,
Chenopodiaceae	Goosefoot family	
<i>Chenopodium album</i>	Fat Hen	28,
Convolvulaceae	Bindweed family	
<i>Convolvulus arvensis</i>	Field Bindweed	28,
<i>Cuscuta campestris</i>	a Dodder	28,
Cornaceae		
<i>Cornus sanguineus</i>	Dogwood	26,
Corylaceae		
<i>Corylus avellana</i>	Hazel	28,
<i>Ostrya carpinifolia</i>	Hop Hornbeam	28,
Crassulaceae	Stonecrop family	
<i>Sedum album</i>	White Stonecrop	26, 30,
<i>Sedum alpestre</i>	Alpine Stonecrop	30,
<i>Sedum cepaea</i>		31,
<i>Sedum ochroleucum</i>	Creamish Stonecrop	30,
Dipsacaceae	Teasel family	
<i>Dipsacus fullonum</i>	Teasel	26,
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	27,
<i>Scabiosa lucida</i>	Shining Scabious	31,
<i>Scabiosa ochroleuca</i>	Yellow Scabious	31,
Euphorbiaceae	Spurge family	
<i>Euphorbia amygdaloides</i>	Wood Spurge	29,
<i>Euphorbia cyparissias</i>	Cypress Spurge	29,
<i>Euphorbia myrsinites</i>	Glaucous Spurge	28,
Fabaceae	Pea family	
<i>Amorpha fruticosa</i>	Bastard Indigo Bush	27, 28,
<i>Coronilla varia</i>	Crown Vetch	30,
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting Pea	31,
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	26,
<i>Medicago lupulina</i>	Black Medick	26,
<i>Melilotus albus</i>	White Melilot	26,
<i>Onobrychis montana</i>	Mountain Sainfoin	30,
<i>Ononis spinosa</i>	Spiny Restharrow	27,

Scientific Name	Common Name	Dates recorded
<i>Robinia pseudoacacia</i>	False Acacia	roadsides
<i>Spartium junceum</i>	Spanish Broom	26,
<i>Trifolium arvense</i>	Haresfoot Clover	31,
<i>Trifolium incarnatum</i>	Crimson Clover	28,
<i>Trifolium pratense</i>	Red Clover	27,
<i>Trifolium repens</i>	White Clover	26,
Fagaceae		
<i>Quercus robur</i>	Pedunculate Oak	28,
Gentianaceae		
Gentian family		
<i>Gentiana cruciata</i>	Cross Gentian	29,
<i>Gentiana lutea</i>	Great Yellow Gentian	30,
Geraniaceae		
Geranium family		
<i>Geranium macrorrhizum</i>	Rock Cranesbill	30,
<i>Geranium molle</i>	Dove's-foot Cranesbill	27,
<i>Geranium pyrenaicum</i>	Hedgerow Cranesbill	30,
<i>Geranium sylvaticum</i>	Wood Cranesbill	30,
Hippocastanaceae		
<i>Aesculus hippocastanum</i>	Horse Chestnut	26,
Hypericaceae		
St John's-wort family		
<i>Hypericum olympicum</i>		31,
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	30,
Juglandaceae		
Walnut family		
<i>Juglans regia</i>	Walnut	26,
Lamiaceae		
Mint family		
<i>Acinos alpinus</i>	Alpine Calamint	30,
<i>Acinos arvensis</i>	Basil Thyme	26,
<i>Ajuga laxmannii</i>		30,
<i>Ballota nigra</i>	Black Horehound	31,
<i>Clinopodium vulgare</i>	Wild Basil	26,
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	31,
<i>Lamium maculatum</i>	Spotted Dead-nettle	30,
<i>Lamium purpureum</i>	Red Dead-nettle	28,
<i>Lycopus europaeus</i>	Gipsywort	29,
<i>Marrubium peregrinum</i>		27,
<i>Melissa officinalis</i>	Balm	28,
<i>Mentha aquatica</i>	Water Mint	26,
<i>Nepeta pannonica</i>		29, 30
<i>Origanum vulgare</i>	Marjoram	29,
<i>Prunella vulgaris</i>	Self-heal	30,
<i>Scutellaria alpina</i>	Alpine Skullcap	30,
<i>Scutellaria galericulata</i>	Skullcap	29,
<i>Stachys palustris</i>	Marsh Woundwort	29,
<i>Stachys sylvatica</i>	Hedge Woundwort	31,
<i>Teucrium chamaedrys</i>	Wall Germander	29,
<i>Thymus pulegioides</i>	Large Wild Thyme	31,
Lentibulariaceae		
Butterwort family		
<i>Pinguicula bulbanica</i>	Balkan Butterwort	30,
Lythraceae		
Loosestrife family		
<i>Lythrum salicaria</i>	Purple Loosestrife	26,
Malvaceae		
Mallow family		
<i>Lavatera thuringiaca</i>		27,
<i>Malva sylvestris</i>	Common Mallow	28,

Scientific Name	Common Name	Dates recorded
Moraceae	Mulberry family	
<i>Ficus carica</i>	Fig	26,
<i>Morus alba</i>	White Mulberry	roadsides
Oleaceae	Olive family	
<i>Fraxinus ornus</i>	Flowering Ash	26,
Onagraceae	Willowherb family	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	26,
<i>Chamaerion dodonaei</i>		30,
<i>Epilobium hirsutum</i>	Great Willowherb	26,
<i>Epilobium montanum</i>	Broad-leaved Willowherb	27,
Papaveraceae	Poppy family	
<i>Papaver rhoeas</i>	Common Poppy	30,
Parnassiaceae		
<i>Parnassia palustris</i>	Grass of Parnassus	31,
Plantaginaceae		
<i>Plantago lanceolata</i>	Ribwort Plantain	26,
<i>Plantago major</i>	Greater Plantain	26,
Platanaceae	Plane family	
<i>Platanus orientalis</i>	Oriental Plane	26, 28,
Plumbaginaceae		
<i>Armeria rumelica</i>		31,
Polygalaceae	Milkwort family	
<i>Polygala major</i>	Large Milkwort	30,
Polygonaceae	Dock family	
<i>Persicaria hydropiper</i>	Water Pepper	29,
<i>Polygonum aviculare</i>	Knotgrass	27,
<i>Persicaria maculosa</i>	Redshank	28,
<i>Rumex acetosa</i>	Common Sorrel	31,
<i>Rumex acetosella</i>	Sheep Sorrel	27,
<i>Rumex alpinus</i>	Monk's Rhubarb	30,
Primulaceae	Primrose family	
<i>Lysimachia nummularia</i>	Creeping Jenny	31,
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	31,
Ranunculaceae	Buttercup family	
<i>Clematis vitalba</i>	Traveller's Joy	26, 28,
<i>Consolida regalis</i>	Forking Larkspur	27, 28,
<i>Delphinium balcanicum</i>		27,
<i>Nigella arvensis</i>	Love-in-a-mist	30,
<i>Nigella elata</i>		27,
<i>Ranunculus acris</i>	Meadow Buttercup	30,
<i>Thalictrum flavum</i>	Common Meadow Rue	30,
Rhamnaceae	Buckthorn family	
<i>Frangula alnus</i>	Alder Buckthorn	31,
<i>Paliurus spina-christi</i>	Christ's Thorn	26, 28,
Rosaceae	Rose family	
<i>Agrimonia eupatoria</i>	Agrimony	26, 29, 30,
<i>Crataegus laciniata (=orientalis)</i>	Eastern Thorn/ Downy-leaved Hawthorn	30,
<i>Crataegus monogyna</i>	Hawthorn	29,
<i>Geum coccineum</i>	Red Avens	31,
<i>Geum urbanum</i>	Wood Avens	26,
<i>Rubus caesius</i>	Dewberry	29,
<i>Rubus fruticosus agg.</i>	Bramble	26,
<i>Rubus idaeus</i>	Wild Raspberry	29,

Scientific Name	Common Name	Dates recorded
<i>Sorbus aucuparia</i>	Rowan	roadsides
Rubiaceae	Bedstraw family	
<i>Asperula cynanchica</i>	Squinancywort	30,
<i>Cruciata glabra</i>	Glabrous Crosswort	30,
<i>Cruciata laevipes</i>	Crosswort	29,
<i>Galium verum</i>	Lady's Bedstraw	26, 29,
Salicaceae	Willow family	
<i>Populus alba</i>	White Poplar	26,
<i>Populus nigra</i>	Black Poplar	26,
<i>Populus tremula</i>	Aspen	27, 31,
<i>Salix caprea</i>	Goat Willow	29,
<i>Salix cinerea</i>	Grey Willow	29,
<i>Salix fragilis</i>	Crack Willow	29,
Scrophulariaceae	Figwort family	
<i>Digitalis lanata</i>	Woolly Foxglove	29,
<i>Digitalis viridiflora</i>	Green-flowered Foxglove	30,
<i>Linaria genistifolia</i>	Dalmation Toadflax	29, 31,
<i>Linaria pelisseriana</i>	Jersey Toadflax	27,
<i>Linaria vulgaris</i>	Common Toadflax	26, 30,
<i>Rhinanthus rumelicus</i>		30, 01,
<i>Scrophularia auriculata</i>	Water Figwort	31,
<i>Scrophularia nodosa</i>	Common Figwort	29,
<i>Veronica beccabunga</i>	Brooklime	29,
Solanaceae	Nightshade family	
<i>Solanum dulcamara</i>	Bittersweet	01,
<i>Solanum nigrum</i>	Black Nightshade	31,
Tiliaceae		
<i>Tilia cordata</i>	Small-leaved Lime	31,
<i>Tilia platyphyllos</i>	Large-leaved Lime	26,
<i>Tilia x vulgaris</i>	Common Lime	27,
Thymelaeaceae	Daphne family	
<i>Daphne cneorum</i>	Galand Flower	30,
<i>Daphne mezereum</i>	Mezereon	30,
<i>Daphne oleoides</i>		30,
Urticaceae	Nettle family	
<i>Parietaria judaica</i>	Pellitory of the Wall	27,
<i>Urtica dioica</i>	Stinging Nettle	26,
Verbenaceae		
<i>Verbena officinalis</i>	Vervain	27, 28, 29,
Violaceae		
<i>Viola tricolor</i>	Heartsease	26, 30,
Vitaceae		
<i>Vitis vinifera</i>	Grape Vine	27,
Zygophyllaceae		
<i>Tribulus terrestris</i>	Maltese Cross	27, 28,
Alismataceae		
<i>Alisma plantago-aquatica</i>	Common Water Plantain	29,
Butomaceae		
<i>Butomus umbellatus</i>	Flowering Rush	29,
Juncaceae	Rush family	
<i>Juncus effusus</i>	Soft Rush	27,

Scientific Name	Common Name	Dates recorded
Lemnaceae		
<i>Lemna minor</i>	Common Duckweed	29,
Liliaceae		
<i>Allium flavum</i>	Yellow Onion	30,
<i>Allium melanantherum</i>		31,
<i>Veratrum album</i>	False White Helleborine	30, 31,
Orchidaceae		
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	29, 30, 31,
<i>Cephalanthera rubra</i>	Red Helleborine	30,
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	01,
<i>Epipactis palustris</i>	Marsh Helleborine	31,
Poaceae		
<i>Aegilops geniculata</i>		29,
<i>Briza media</i>	Quaking Grass	31,
<i>Phragmites australis</i>	Common Reed	26,
Sparganiaceae		
<i>Sparganium erectum</i>	Branched Bur-reed	27,
Typhaceae		
<i>Typha domingensis</i>		27,
BRYOPHYTES (Mosses & Liverworts)		
<i>Anomodon viticulosus</i>	Rambling Tail-moss	01,
<i>Calliergonella cuspidata</i>	Pointed Spear Moss	31,
<i>Philonotis fontana</i>	Fountain Apple-moss	31,
LICHENS		
<i>Anaptychia ciliaris</i> var <i>ciliaris</i>		02,
FUNGI		
<i>Agaricus campestris</i>	Field Mushroom	27,
<i>Agrocybe arvalis</i>		31, 01,
<i>Bovista plumbea</i>	Grey Puffball	27, 29,
<i>Conocybe lactea</i>		02,
<i>Coprinellus disseminatus</i>	Crumble Caps	27,
<i>Dacrymyces stillatus</i>	Common Jellyspot	01,
<i>Fomes fomentarius</i>	Hoof Bracket	27, 29,
<i>Ganoderma austale</i>	Southern Artist's Bracket	31,
<i>Leccinum aurantiacum</i>	Aspen Orange Bolete (under Apen)	27,
<i>Lepiota alba</i>		29,
<i>Macrolepiota procera</i>	Parasol Mushroom	29,
<i>Marasmius oreades</i>	Fairy Ring Champignon	26, 31, 01,
<i>Meripilus giganteus</i>	Giant Polypore	31,
<i>Pycnoporus cinnabarinus</i>	Cinnabar Polypore	31,
<i>Schizophyllum commune</i>	Split-gill	01,
<i>Stereum hirsutum</i>	Hairy Curtain Crust	31, 02,
<i>Suillus granulatus</i>	Weeping Bolete	29, 31,
<i>Suillus grevillei</i>	Larch Bolete	01,
<i>Vascellum pratense</i>	Meadow Puffball	31, 01,
<i>Melampsora caprearum</i>	on <i>Salix caprea</i>	29, 31,
<i>Phragmidium violaceum</i>	on <i>Rubus fruticosus</i> agg	26,
<i>Ramularia rubella</i>	On <i>Rumex acetosa</i>	31,
<i>Rhytisma acerinum</i>	Tar-spot, on <i>Acer pseudoplatanus</i>	31,
<i>Septoria cornicola</i>	On <i>Cornus sanguinea</i>	26,

Scientific Name	Common Name	Dates recorded
<i>Taphrina alni</i>	Alder-tongue Gall on <i>Alnus glutinosa</i> cones	01,
<i>Taphrina tosquetii</i>	On <i>Alnus glutinosa</i> (leaves)	29,



Evacanthus interruptus - a plant-hopper species



Synanthedon flaviventris - Sallow Clearwing Moth



Thomisus onustus - a crab spider species