

TWO WEEKS ENTOMOLOGISING IN BULGARIA, 12-26 SEPTEMBER 1995

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I WAS INVITED by my friend, Stoyan Beshkov of Sofia, to spend two weeks in Bulgaria in September 1995. This was my first visit to south-east Europe, to a country where few foreign entomologists go. My experiences will perhaps be of interest to others who may contemplate making acquaintance with the rich lepidopterous fauna of Bulgaria.

My wife and I had considered loading our camper-van with equipment and driving across Europe, but we were deterred by two considerations. The first was the fact that circumstances forbade us to be away for more than three weeks, and we thought that we should postpone a joint expedition until we could be away together for at least a month; secondly, the direct route would take us through places of political unrest, and again postponement seemed sensible. So it was decided I should fly alone to Sofia, and that Stoyan and I should use public transport to get around, and use collecting techniques which he had tried and found successful.

The Austrian Airlines flight left Heathrow at 07.30 and, having changed aircraft at Vienna, I was met by Stoyan at Sofia Airport in early afternoon. There is a two-hour time difference between London and Bulgaria. Passage through Immigration Control was without incident (you need a Visa), and a short journey by articulated bus took us to the eastern outskirts and to my friend's flat. These buses are used throughout Sofia and originated in France – the instructions about minding your head and leaving the doorway clear are all in French. Everything else is in Cyrillic, including place-names and bus destinations, and travel without a Bulgarian companion would have presented formidable problems! Naturally I was eager to begin sampling the moth population, and a mercury-vapour lamp was set up on the balcony for my benefit while I was being wined and dined and welcomed by Stoyan and his family. The lamp attracted little to indicate the excitements to come, but it was interesting to see *Emmelia trabealis** at a balcony on the 7th floor in suburban Sofia. A pug, arrested on suspicion, turned out to be *Eupithecia ochridata*. This species bears a close resemblance to *E. innotata*, and ought to be looked for in Britain. The larva feeds on *Artemisia*.

Before we could set out in earnest, the formalities of a visit to the Police Station in Sofia, where I had to "sign in" for the duration of my visit, had to be observed. Again, the presence of Stoyan at my side proved invaluable, as the form I had to fill in was again entirely in Cyrillic and completely incomprehensible to one from western Europe! That done, we caught a bus to our first destination, the famous Kresna Gorge in the south-west of Bulgaria. It appears that every hamlet in the country is connected to the

*Authors of all species names are given in Appendix 1.

outside world by public transport. Apart from the state-operated railways and town buses, numerous privately-owned coaches ply between the larger towns, and we found that on the Black Sea coast fleets of minibuses vied for passengers with the state-owned buses. The only snag with the privately-operated vehicles was that we had our ears blasted by western pop musak for the whole of every journey. I had travelled some 3000km to get away from this sort of thing, and longed to hear instead some of the delightful native folk music – or silence! By our standards, the fares are incredibly cheap: journeys of around 150km seldom cost more than £2, and our last train journey, some 500km from the Black Sea coast back to Sofia, cost about £4!

The Struma river runs southwards down the Kresna Gorge; on the west side is the road, and the railway passes along the opposite bank. The disused Stara Kresna Halt is reached from the road by a narrow path and a rickety cable-and-wood bridge. Having crossed this bridge and walked a hundred metres or so along the railway, we reached the Halt, which is still manned by relays of signalmen, all of whom seemed accustomed to Stoyan's entomological forays. We were soon fixed up with a plug-in for the night, and had time for some local exploration before nightfall. A dark tunnel under the railway is a known haunt of one of the cave-inhabiting *Autophila* species, *A. ligaminosa*, but our torches revealed nothing except a few *Hypena rostralis*. Out in the sunshine, numerous crambids were flying. One or two which I kept, thinking they were *Agriphila inquinatella*, turned out on subsequent examination to be *A. brionella*; another species that was clearly different from *A. geniculea* was indeed *A. dalmatinella*. *Minoa murinata* was flying among the spurge, and another familiar old friend was *Aspitates ochrearia*.

We painted a wine-and-sugar mixture on the local trees which was attended by various common western European noctuids as well as several *Cryphia ochsi*, a worn specimen of the rare *Anthraccia eriopoda*, *Polyphaenis subsericata* and *Divaena haywardi* which unfortunately was missed. My first night's "real" lamping in Bulgaria, in fine, warm conditions, produced numerous species hitherto unknown to me, including *Scopula ochraceata*, *Catarhoe permixtaria*, *Horisme corticata*, *Aplocera dervenaria*, *Nychiodes dalmatina*, *Peribatodes correptaria*, *Atethmia ambusta*, *Cryphia selaona* subsp. *burgeffi*, *C. rectilinea*, *Praestilbia armeniaca*, *Abrostola agnorista*, the consolation of another *haywardi*, this time boxed successfully, and nearly a dozen fresh *subsericata*. We slept in our sleeping bags under an old picnic shelter beside the railway, Stoyan on one of the benches, I on the table. Apart from the sleeping bag, my rucksack held a setting case and equipment, and most of the choicest captures of the night were dealt with before we set off next day.

In going from place to place in Bulgaria one has two options, to wait (for transport) or to walk. In this remote spot, we opted to walk, how far I knew

not, but we had not gone more than a kilometre when an amiable lorry driver picked us up and took us to the major road junction we needed. *En route*, we stopped at a roadside cafe where we found *dalmatina*, *correptaria* and *Tephрина arenacearia* on the windows. Another walk brought us to a village from which there would be a bus to our destination, Melnik – in two hours. This gave us time for coffee and a bite to eat: Stoyan produced from his rucksack bread, two sorts of cheese and sausage, which was our staple diet for every meal. Each day we bought a bottle of wine. Half of it would be used for the sugaring mixture, and the rest we drank with our bread and cheese and sausage in the evening.

Melnik is an enchanting village in the Pirin mountains of south-west Bulgaria, full of history. Unfortunately, a hectic moth-hunting expedition does not allow much time for sight-seeing, and by the time we had organised ourselves into a hostel for the night (with plug-in), it was time to get started. Incidentally, it is essential to have one's passport to hand at all times: now it had to be produced when arranging accommodation, for "rich" foreigners are expected to pay twice as much as the locals – two pounds instead of one pound!

Though no great distance from Kresna, Melnik offers a very different lot of moths. At sugar, *Eugnorisma pontica* was present in some numbers. This was a species I was particularly keen to see, to compare it with our own *E. depuncta* and the Spanish *E. arenoflavida*, which at one time was thought to be a form of *pontica*. Another interesting species was *Xestia cohaesa*, at light and sugar. We were to see more of this in other localities, but *pontica* we saw nowhere else except at Rozhen, a few kilometres over the hills. Before nightfall, we looked in another cave system, and here we were successful in finding a few fresh *A. ligaminosa*.

The fauna of the Balkans includes a number of very interesting species of *Agrochola*, most of which fly later in the autumn. Mid-September is right for *A. gratiosa*, however, and we were rather disappointed to see only one here, at light, and two more next night, at Rozhen, at sugar.

Next morning, after the usual wait, we went by bus the short distance to Rozhen, and walked up the hill to the ancient Rozhenski Monastery where we hoped for a plug-in for the night. This was refused, but we found a few things inside the buildings, including several *corticata* and *armeniaca*, and *Sesamia nonagrioides*. After a tour of the monastery, we sat in the sun and ate our meal, and wondered what to do for the night. Eventually, we went back down into the village, found the last bus had departed, and had no alternative but to stay there. We got talking to an old man who was a proprietor of a winery, where home-distilled brandy was also dispensed. He persuaded us to partake of this magical liquor, later selecting one of a heterogeneity of bottles which held about a litre, and filling it for me to take home – another pound's worth! He also indicated he had a spare room we could use, in which we installed ourselves. Apart from the regulation pound,

the price we paid was to get soundly bitten by fleas! A plug-in at a hostelry up the road was unproductive, but sugaring yielded more *pontica*, two *Parascotia fuliginaria* and the aforementioned *gratiosa*.

Next day, we made our way back to Sofia, by bus and train.

Our next major expedition was to the East Rhodopi mountains in south-east Bulgaria, whence we set off on 18 September, arriving at the village of Studen Kladenetz by mid-afternoon. This time we took with us a brand new Honda two-stroke generator, carried covered in a sewing machine case. Stoyan said this was the only generator in the whole of Bulgaria! He carried it, while I was entrusted with a number of plastic bottles of fuel, which I considered dangerous. However, there was no mishap, except that when we started up, we found to our dismay that the machine would only run for one hour before it ran out of fuel. There was very little we could do except take turns to stay up and refuel the brute every 55 minutes. We operated in a small field below a fine, mineral-rich rocky hillside of diverse colour. Sugaring along the hedgerows was practically useless, but light produced some very interesting species once more. At dusk, there was a run of the hepialid, *Triodea amasina*. Later, I was delighted to see for the first time three species of *Episema* characteristic of south-east Europe, the common *E. tersa*, which replaces the western *E. glaucina* and is equally variable, several *E. korsakovi* and two female *E. lederi*, the last a surprise. Another notable species was *Leucania herrichi*, two worn specimens of which appeared at the sheet. Recently discovered in Bulgaria, this species is known elsewhere in Europe only from Greece. *Cryphia seladona* appeared again, and also worn specimens of *C. amasina*, a close relative of *C. muralis*. The weather remaining fine, we slept on the grass without discomfort.

Next day, we made our way back to a chalet in the woods near the busy town of Madzharovo. In the town, we found *Agrius convolvuli* at rest on a post. I sat at a table near a block of flats, and set moths, while Stoyan sought help over the generator. This took some time, and a small crowd of young ladies gathered around me meanwhile: giggly at first, they discovered we could communicate to some extent using German, which they were learning at school, and conversation blossomed. They showed me their science textbooks, the diagrams in which made some sense, asked lots of questions about England and about moths, and told me about themselves and their town. I drew them sketch maps showing them my home town, and also the locations of Liverpool and Manchester, for they knew about the Beatles and also Manchester United! After they had gone, a very young child appeared who was amused at the friendly faces I pulled. Within an hour, he could say "Hello" and "Goodbye" quite nicely. I was teaching him, "Have a nice day!", when Stoyan reappeared and we set off for more serious work. The deciduous woodland around the Momina Skala Chalet is another very rich locality, and a further crop of new species came my way. I was particularly pleased with a nice series of *Evergestis serratalis*. *Xestia cohaesa* was

common here. Other "goodies" included the small herminiid, *Orectis proboscidata*, two specimens of *Polymixis serpentina*, a species superficially very like *Melanchra persicariae*, one of the very rare *Agrochola osthelderi*, two worn *Lemonia balcanica* and a single *Eupithecia ericeata*. An unfamiliar crambid that appeared in some numbers turned out to be *Pediasia matricella*.

In the town, we met a group of young ornithologists who were part of a joint Swiss/Bulgarian Bird Conservation project, studying in particular the large raptors and Black Storks which occurred in the vicinity. One of them drove us a good 80km to our next destination, Meden Buk, a remote hamlet near the town of Ivailovgrad. This place we discovered was cut off from the rest of civilisation by a fast but shallow rocky river. We could see the track continuing on the far side, and our driver confidentially headed out into the torrent. Inevitably, the engine stopped and we all got out to push the car back ashore. After some time a tractor trundled into sight; the car was attached and pulled back uphill and released. The engine started, our driver headed for home, and we completed our journey packed into the cab of the tractor, ending up at the hostelry where we drank each other's health in the local brandy. We walked a little way up the river valley and set up for the night and were rewarded with more *Episema*, two more *serpentina* and the first of the beautiful and local "thorn", *Eumera regina*.

The following day, after a long wait, we got a lift into Ivailovgrad and thence by bus to our last locality in the Rhodopis, Byalo Pole. We found a spot beside a small stream, with a long line of calcareous hillside alongside. We also encountered our first rain, but discovered an empty barn, beneath the overhang of which we operated the lamp. This proved to be a good spot for *regina*, and also for *Episema* including a lot of *E. lederi*; we also saw the scarce plusiid, *Euchalcia consona*, two more *agnorista*, and *Acontia urania* besides a lot of other species. I was surprised to see a number of *Antigastra catalaunalis*. The barn turned out to be rat-infested, but we slept there without being bothered by them.

Stoyan had planned for me to end my first visit to his country on the Black Sea coast. This involved a day-long journey by bus, then by train to Burgas on the coast, and finally by another bus and taxi to some dunes near Arkulino, south of that town. We obtained a plug-in at a restaurant, unfortunately with a lot of its own illumination, and so our catch was meagre but included *Luperina rubella*, *Atethmia ambusta*, *Agrotis vestigialis*, *Euchromius ocella* and *Evergestis limbata*. We slept on the dunes and were fortunate to get up next morning in the nick of time, before an onset of heavy rain.

Finally to the famous "Silberküste", calcarous cliffs and undercliff to the north of Balchik, known for the white or very pale forms of several species which occur there and nowhere else, and for other extremely local species.

The plan was to hire a chalet for the night in the tourist centre, and to plug in there, but we found the season had ended and everything was shut up. While wandering around rather aimlessly, we were seen by the proprietor of the hotel, who insisted on opening up for our benefit and installing us in a room with a balcony where we could run our lamp. His assistant furthermore opened the bar for us, where we drank brandy until the proprietor reappeared with his girlfriend and a whole bottle of the stuff. In the end we had to excuse ourselves and get on with our mothing.

On our arrival in the hotel foyer, we immediately spotted several specimens of the extremely local *Mycteroplus puniceago* resting on the walls, having been attracted to the lights, and this started a protracted search of the whole of the hotel and any other buildings in the vicinity which had illumination. The most productive place was the storeroom in the back of the supermarket, entered via an open window while the hotelier's assistant kept watch. That night was cold and windy, and little flew, but we were well satisfied with a total of 29 *puniceago*, a number of the phycitine, *Spermatophthora hornigii* and several other species found in and around buildings. The most notable moths at our own light were several more *ocellea*.

After a bus ride from Balchik to Varna next morning, we took a train back to Sofia, a leisurely journey through most beautiful countryside. A final night in Stoyan's home, then to the airport and back to Heathrow, where I was greeted by torrential rain.

Though it is clear that Bulgaria is still unaccustomed to western tourists, I was able to visit many parts of the country by public transport, and to enter and leave Bulgaria without difficulty. Provided one follows a few basic rules, such as having correct documentation on one's person at all times, there should be no hassle. The greatest problem was that few people spoke any of the western European languages, and the Cyrillic alphabet makes even commonplace words look unfamiliar. It was a huge advantage to be accompanied by a Bulgarian friend with fluent English. The pace of life is much less hectic than ours, but one always seems to reach one's destination in good time. Coffee, brandy and friendliness remove the tedium of waiting and add greatly to the enjoyable experience of visiting a land so different from our own. A fortnight is much too short a time to get more than a taste of the moth fauna, of course. The season goes on well into November, there are good species to be found in springtime, and the specialities of the "Silberküste" are at their best in early July. A return visit in the near future is a high priority.

Appendix 1: Lepidoptera recorded in Bulgaria, 12-26 September 1995

Hepialidae

Triodia sylvina (Linn.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., two; SW BG Rozhen, 15.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.

T. amasina (H.-S.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., twenty or more males; East Rhodopi Mts, Meden Buk, 20.ix., one female.

Pyralidae

Euchromius ocella (Haw.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., four, genitalia checked.

Agriphila tristella ([D. & S.]) – SW BG Rozhenski Monastery, 15.ix., one inside building; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one in hotel.

A. inquinatella ([D. & S.]) – East Rhodopi Mts., Studen Kladenetz, 18.ix., East Rhodopi Mts, Meden Buk, 20.ix., single specimens kept from each locality and genitalia det. Others probably present.

A. brionella (Zerny) – SW GB, Kresna Gorge, 13.ix., one specimen genitalia det., others probably seen by day and at night; SW BG, Melnik, 14.ix., two, genitalia det.

A. latistria (Haw.) – East Rhodopi Mts, Meden Buk, 20.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

A. dalmatinella (Hamps.) – SW BG, Kresna Gorge, 13.ix., several by day and at light; SE BG, Melnik, 14.ix., several; East Rhodopi Mts, Studen Kladenetz, 18.ix., common; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one. Genitalia det. from all localities.

Pediasia matricella (Treits.) – SW BG, Kresna Gorge, 13.ix., three; East Rhodopi Mts, Studen Kladenetz, 18.ix., three; East Rhodopi Mts, Meden Buk, 20.ix., two.

Catoptria confusella (Stdgr.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., two.

Ancylolomia palpella ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., one; SE BG, Melnik, 14.ix., two.

A. tentaculella (Hübner) – SW BG, Rozhen, 15.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., three.

Eudonia mercurella (Linn.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one.

Evergestis limbata (Linn.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

E. serratalis (Stdgr.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., ten; East Rhodopi Mts, Meden Buk, 20.ix., five; East Rhodopi Mts, Byalo Pole, 21.ix., three.

Aporodes floralis (Hübner) – SW BG, Melnik, 14.ix., one.

Hellula undalis (Fabr.) – East Rhodopi Mts, Meden Buk, 20.ix., East Rhodopi Mts, Byalo Pole, 21.ix., one.

Pyrausta aurata (Scop.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.

P. purpuralis (Linn.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

P. sanguinalis (Linn.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one.

- P. rectefascialis* (Toll) – East Rhodopi Mts, Byalo Pole, 21.ix., five.
- Ecpyrrhorhoe rubiginalis* (Hübner) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Paracorsia repandalis* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., two; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one.
- Ostrinia nubilalis* (Hübner) – SW BG, Kresna Gorge, 13.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Euclasta splendida* (H.-S.) – SW BG, Melnik, 14.ix., one.
- Ebulea testacealis* (Zell.) – SW BG, Kresna Gorge, 13.ix., one by day.
- Udea ferrugalis* (Hübner) – Sofia town, 12.ix., one; SW BG, Kresna Gorge, 13.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Nomophila noctuella* ([D. & S.]) – Sofia town, 12.ix., one; SW BG, Kresna Gorge, 13.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Antigastra catalaunalis* (Dup.) – East Rhodopi Mts, Meden Buk, 20.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., five.
- Metasia ophialis* (Treits.) – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., two.
- Pleuroptya ruralis* (Scop.) – SW BG, Kresna Gorge, 13.ix., several; SW BG, Melnik, 14.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., three; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., three.
- Palpita unionalis* (Hübner) – SW BG, Rozhen, 15.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- P. testalis* (Fabr.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- Hypsopygia costalis* (Fabr.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Actenia brunnealis* (Treits.) – SW BG, Kresna Gorge, 13.ix., 2 by day; SW BG, Melnik, 14.ix., two.
- A. honestalis* (Treits.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Orthopygia glaucinalis* (Linn.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- O. fulvocilialis* (Dup.) – SW BG, Kresna Gorge, 13.ix., two.
- Pyralis regalis* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., one.
- P. farinalis* Linn. – Black Sea coast, Belija Briag nr. Balchik, 23.ix., several inside hotel.
- Endotricha flammealis* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., two; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one.
- Oncocera semirubella* (Scop.) – SW BG, Kresna Gorge, 13.ix., one.
- Bradyrrhoa gilveolella* (Treits.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., three; East Rhodopi Mts, Byalo Pole, 21.ix., one. All genitalia det.

Etiella zinckenella (Treits.) – SW BG, Melnik, 14.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., three; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.

Oxybia transversella (Dup.) – SW BG, Melnik, 14.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., one.

Acrobasis repandana (Fabr.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.

Numonia advenella (Zinck.) – SW BG, Melnik, 14.ix., one.

Thyatiridae

Cymatophorima diluta ([D. & S.]) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.

Geometridae

Hemistola chrysoprasaria (Esp.) – SW BG, Melnik, 14.ix., one.

Eucrostes indigenata (de Vill.) – SW BG, Kresna Gorge, 13.ix., two; SG BG, Rozhen, 15.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one.

Cyclophora puppillaria (Hüb.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Medzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.

Timandra griseata (W. Pet.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.

Scopula ochraceata (Stdgr.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., four; East Rhodopi Mts, Meden Buk, 20.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., several.

S. marginepunctata (Goeze) – SW BG, Melnik, 14.ix., several; East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

S. imitaria (Hüb.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one in hotel.

Glossotrophia confinaria (H.-S.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one.

Idaea filicata (Hüb.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one.

I. dimidiata (Hufn.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.

I. camparia (H.-S.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., several around lights of buildings.

I. degeneraria (Hüb.) – SW BG, Kresna Gorge, 13.ix., two; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., two.

Rhodometra sacraria (Linn.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.

Lythria cruentaria (Hufn.) – SW BG, Kresna Gorge, 13.ix., one by day.

Cataclysmes rigata (Hüb.) – SW BG, Melnik, 14.ix., one.

Xanthorhoe fluctuata (Linn.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.

- Epirrhoe galiata* ([D. & S.]) – Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Camptogramma bilineata* (Linn.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one in hotel.
- Catarhoe permixtaria* (H.-S.) – SW BG, Kresna Gorge, 13.ix., two.
- Cosmorhoe ocellata* (Linn.) – Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Horisme corticata* (Treits.) – SW BG, Kresna Gorge, 13.ix., three; SW BG, Melnik, 14.ix., three; SW BG, Rozhenski Monastery, 15.ix., three inside buildings.
- Perizoma bifaciata* (Haw.) – SW BG, Kresna Gorge, 13.ix., one.
- Eupithecia linariata* ([D. & S.]) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- E. centaureata* ([D. & S.]) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- E. ochridata* Pinker – Sofia town, 12.ix.,; SW BG, Kresna Gorge, 13.ix., two. All genitalia det.
- E. variostrigata* (Alph.) – Black Sea coast, Belija Briag nr. Balchik, 23.ix., two inside hotel.
- E. ericeata* (Rambur) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- Gymnoscelis rufifasciata* (Haw.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Minoa murinata* (Scop.) – SW BG, Kresna Gorge, 13.ix., several by day.
- Aplocera dervenaria* (Mentzer) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one.
- Ligdia adustata* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., one.
- Semiothisa alternaria* (Hübner) – SW BG, Rozhen, 15.ix., one.
- Tephрина arenacearia* ([D. & S.]) – SW BG, Gradeshnitsa village, 14.ix., one on window of inn.
- Ennomos erosaria* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., one.
- E. fuscantaria* (Steph.) – East Rhodopi Mts, Meden Buk, 20.ix., one male.
- Eumera regina* (Stdgr.) – East Rhodopi Mts, Meden Buk, 20.ix., one male; East Rhodopi Mts, Byalo Pole, 21.ix., two females, seven males.
- Artiora evonymaria* ([D. & S.]) – East Rhodopi Mts, Byalo Pole, 21.ix., two.
- Crocallis tusciaria* (Borkh.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- C. elinguaris* (Linn.) – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., two.
- Nychiodes dalmatina* (Wagn.) – SW BG, Kresna Gorge, 13.ix., two; SW BG, Gradeshnitsa village, 14.ix., one on window of inn.
- N. waltheri* (Wagn.) – East Rhodopi Mts, Meden Buk, 20.ix., two females; East Rhodopi Mts, Byalo Pole, 21.ix., five.
- Peribatodes correptaria* (Zell.) – SW BG, Kresna Gorge, 13.ix., three; SW BG, Gradeshnitsa village, 14.ix., one on window of inn; East Rhodopi Mts, Studen Kladenetz, 18.ix., three; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Meden Buk, 20.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., several.

- P. rhomboidaria* ([D. & S.]) – East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Meden Buk, 20.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., several; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Peribatodes umbraria* (Hübner) – SW BG, Kresna Gorge, 13.ix., two; SW BG, Melnik, 14.ix., several; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., several.
- Selidosema plumaria* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., three; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Gnophos sartatus* (Treits.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one.
- Campaea margaritata* (Linn.) – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Dyscia sicanaria* (Zell.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., three; Yazovin Ivailograd dam, 20.ix., three on wall by police checkpoint; East Rhodopi Mts, Byalo Pole, 21.ix., one female; Black Sea coast, Belija Briag nr. Balchik, 23.ix., several inside buildings, one at light.
- Aspitates ochrearia* Rossi – SW BG, Kresna Gorge, 13.ix. several by day; East Rhodopi Mts, Studen Kladenetz, 18.ix., two females; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., two females; Black Sea coast, Belija Briag nr. Balchik, 23.ix., inside hotel.

Sphingidae

- Agrius convolvuli* (Linn.) – East Rhodopi Mts, Madzharovo town, 19.ix., one resting on a post.
- Macroglossum stellatarum* (Linn.) – East Rhodopi Mts, Byalo Pole, 21.ix., one at light. Single specimens seen in a number of places by day.
- Hyles euphorbiae* (Linn.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.

Notodontidae

- Pterostoma palpina* (Clerck) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Clostera pigra* (Hufn.) – SW BG, Rozhen, 15.ix., one.

Thaumetopoeidae

- Thaumetopoea solitaria* (Freyer) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., ten males. A very local species in Bulgaria (Beshkov, 1995).
- T. pityocampa* ([D. & S.]) – SW BG, Melnik, 14.ix., one.

Lymantriidae

- Euproctis similis* (Fuessly) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- Lymantria dispar* (Linn.) – SW BG, Kresna Gorge, 13.ix., one male.

Arctiidae

- Eilema sororcula* (Hufn.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.

- E. morosina* (H.-S.) – SW BG, Kresna Gorge, 13.ix., three; SW BG, Melnik, 14.ix., two.
- E. caniola* (Hübner) – SW BG, Melnik, 14.ix., several; SW BG, Rozhen, 15.ix., several; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., several.
- E. pseudocomplana* Daniel – SW BG, Kresna Gorge, 13.ix., common. What was probably this species also seen in other localities, but not examined critically.
- Phragmatobia fuliginosa* (Linn.) – SW BG, Rozhen, 15.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Euplagia quadripunctaria* (Poda) – SW BG, Kresna Gorge, 13.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.

Syntomidae

- Dysauxes famula* (Frey.) – SW BG, Kresna Gorge, 13.ix.; SW BG, Melnik, 14.ix.; SW BG, Rozhen, 15.ix.; East Rhodopi Mts, Studen Kladenetz, 18.ix.; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix.; East Rhodopi Mts, Meden Buk, 20.ix. Common in all localities.

Nolidae

- Meganola strigula* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., one.

Noctuidae

- Euxoa obelisca* ([D. & S.]) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- E. temera* (Hübner) – Sofia town, 12.ix., one; SW BG, Melnik, 14.ix., one at sugar, one at light.
- E. cos* (Hübner) – East Rhodopi Mts, Meden Buk, 20.ix., one.
- E. segnilis* (Dup.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Agrotis vestigialis* (Hufn.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., five.
- A. exclamatoris* (Linn.) – Sofia town, 12.ix., one.
- A. trux* (Hübner) – SW BG, Kresna Gorge, 13.ix., several; SW BG, Melnik, 14.ix., several at sugar and light; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- A. ipsilon* (Hufn.) – SW BG, Kresna Gorge, 13.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- A. puta* (Hübner) – SW BG, Kresna Gorge, 13.ix., several; East Rhodopi Mts, Byalo pole, 21.ix., several; Black Sea coast, Belija Briag nr. Balchik, 23.ix., two.
- A. crassa* (Hübner) – Sofia town, 12.ix., one; SW BG, Melnik, 14.ix., at sugar and light; SW BG, Rozhen, 15.ix., one at light, one at sugar; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Meden Buk, 20.ix., one.
- Eugnorisma pontica* (Stdgr.) – SW BG, Melnik, 14.ix., several at sugar and light; SW BG, Rozhen, 15.ix., several at sugar.
- Chersotis rectangula* ([D. & S.]) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two. All specimens worn.
- Noctua pronuba* (Linn.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., two.

- N. comes* (Hübner) – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- N. fimbriata* (Schreb.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two.
- N. tirrenica* Bieb. et al. – SW BG, Kresna Gorge, 13.ix., one.
- N. tertia* Moberg et al. – Sofia town, 12.ix., one; SW BG, Rozhen, 15.ix., one at sugar.
- N. interjecta* (Hübner) – East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Divaena haywardi* (Tams) – SW BG, Kresna Gorge, 13.ix., one at light, one at sugar.
- Epilecta linogrisea* ([D. & S.]) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two.
- Xestia c-nigrum* (Linn.) – Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- X. cohaesa* (H.-S.) – SW BG, Melnik, 14.ix., four; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., common; East Rhodopi Mts, Meden Buk, 20.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., several.
- X. xanthographa* ([D. & S.]) – SW BG, Melnik, 14.ix., several at sugar and light; SW BG, Rozhen, 15.ix., one at light, one at sugar; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Mesogona acetosellae* ([D. & S.]) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Discestra trifolii* (Hufner) – SW BG, Melnik, 14.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., two.
- Lacanobia oleracea* (Linn.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Tholera decimalis* (Poda) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one male.
- Mythimna ferrago* (Fabr.) – East Rhodopi Mts, Byalo Pole, 21.ix., two.
- M. albipuncta* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., three; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag Nr. Balchik, 23.ix., one.
- M. vitellina* (Hübner) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one inside hotel; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- M. scirpi* (Dup.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one.
- M. l-album* (Linn.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one inside hotel, one at light.
- Leucania herrichi* (H.-S.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two, worn. Recorded for the first time in Bulgaria in 1992. Elsewhere in Europe, known only from Greece (Beshkov, 1995).

- L. putrescens* (Hübner) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; SW BG, Rozhen, 15.ix., one.
- Acantholeucania loreyi* (Dup.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; SW BG, Rozhen, 15.ix., one.
- Episema tersa* ([D. & S.]) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., several; East Rhodopi Mts, Byalo Pole, 21.ix., two.
- E. korsakovi* (Christ.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., four; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Meden Buk, 20.ix., several; East Rhodopi Mts, Byale Pole, 21.ix., several.
- E. lederi* (Christ.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two females; East Rhodopi Mts, Byalo Pole, 21.ix., ten.
- Aporophyla canescens* (Dup.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Meganephria bimaculosa* (Linn.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Dryobotodes carbonis* (Wagner) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Polymixis serpentina* (Treits.) – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., two.
- Agrochola osthelderi* Boursin – East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one. A very scarce and local species in Bulgaria (Beshkov, 1995).
- A. gratiosa* (Stdgr.) – SW BG, Melnik, 14.ix., one; SW BG, Rozhen, 15.ix., two at sugar.
- Atethmia centrargo* (Haw.) – East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- A. ambusta* ([D. & S.]) – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Boroslavitz village, 20.ix., one resting on a wall; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.
- Cryphia ochsi* Boursin – SW BG, Kresna Gorge, 13.ix., four at sugar; SW BG, Melnik, 14.ix., one at sugar; East Rhodopi Mts, Studen Kladenetz, 18.ix., one at sugar.
- C. rectilinea* (Warren) – SW BG, Kresna Gorge, 13.ix., one.
- C. seladona* (Christ.) – subsp. *burgeffi* Draudt – SW BG, Kresna Gorge, 13.ix., two; East Rhodopi Mts, Studen Kladenetz, 18.ix., three.
- C. amasina* (Draudt) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one. Both worn.
- Amphipyra livida* ([D. & S.]) – SW BG, Melnik, 14.ix., one at sugar; SW BG, Rozhen, 15.ix., one at sugar.
- A. tetra* Fabr. – East Rhodopi Mts, Studen Kladenetz, 18.ix., one at sugar.
- Mormo maura* (Linn.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one at sugar.
- Anthracia eriopoda* (H.-S.) – SW BG, Kresna Gorge, 13.ix., one worn specimen at sugar.
- Polyphaenis subsericata* (H.-S.) – SW BG, Kresna Gorge, 13.ix., eleven; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two.
- Thalpophila matura* (Hufn.) – SW BG, Kresna Gorge, 13.ix., three; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr.

- Madzharovo, 19.ix., two; East Rhodopi Mts, Byalo Pole, 21.ix., several; Black Sea coast, Arkulino nr. Primorsko, 22.ix., two; Black Sea coast, Belija Briag nr. Balchik, 23.ix., two inside hotel, one at light.
- Phlogophora meticulosa* (Linn.) – SW BG, Melnik, 14.ix., one.
- Mycteroplus puniceago* (Boisd.) – Black Sea coast, Belija Briag nr. Balchik, 23.ix., 29 inside buildings.
- Luperina dumerilii* (Dup.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., two; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., two; East Rhodopi Mts, Meden Buk, 20.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., six.
- L. rubella* (Dup.) – SW BG, Kresna Gorge, 13.ix., two; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Gortyna flavago* ([D. & S.]) – East Rhodopi Mts, Byale Pole, 21.ix., two.
- Sesamia nonagrioides* (Lef.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Rozhenski Monastery, 15.ix., one inside building.
- Hoplodrina ambigua* ([D. & S.]) – Sofia town, 12.ix., one; SW BG, Melnik, 14.ix., several; BG, Rozhen, 15.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., several; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., several; East Rhodopi Mts, Meden Buk, 20.ix., three; East Rhodopi Mts, Byale Pole, 21.ix., several; Black Sea coast, Arkulino nr. Primorsko, 22.ix., two.
- Spodoptera exigua* (Hübner.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., two.
- Caradrina flavirena* (Guen.) – SW BG, Kresna Gorge, 13.ix., one; SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- C. clavipalpis* (Stdgr.) – Sofia town, 12.ix., one.
- Praestilbia armeniaca* (Stdgr.) – SW BG, Kresna Gorge, 13.ix., ten males; SW BG, Rozhenski Monastery, 15.ix., several males inside buildings; East Rhodopi Mts, Byale Pole, 21.ix., one female, two males; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one male.
- Helicoverpa armigera* (Hübner.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.
- Metachrostis velox* (Hübner.) – SW BG, Melnik, 14.ix., one.
- Eublemma ostrina* (Hübner.) – SW BG, Melnik, 14.ix., one.
- Emmelia trabealis* (Scop.) – Sofia town, 12.ix., one.
- Acontia lucida* (Hufn.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one.
- A. urania* (Friv.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Nycteola siculana* (Fuchs) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one.
- N. asiatica* (Kroul.) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one.
- Pseudoips bicolorana* (Fuessly) – East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Momina Skala Chalet nr. Madzharovo, 19.ix., one.
- Euchalcia consona* (Fabr.) – East Rhodopi Mts, Byalo Pole, 21.ix., one.
- Diachrysia chrysitis* (Linn.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

Macdunnoughia confusa (Steph.) – Black Sea coast, Arkulino nr. Primorsko, 22.ix., one.

Autographa gamma (Linn.) – SW BG, Melnik, 14.ix., one; East Rhodopi Mts, Studen Kladenetz, 18.ix., one; East Rhodopi Mts, Meden Buk, 20.ix., one; East Rhodopi Mts, Byalo Pole, 21.ix., one; Black Sea coast, Arkulino nr. Primorsko, 22.ix., one; Black Sea coast, Belija Briag nr. Balchik, 23.ix., one.

Trichoplusia ni (Hübner) – East Rhodopi Mts, Byalo Pole, 21.ix., one.

Abrostola tripartita (Hufn.) – SW BG, Kresna Gorge, 13.ix., one.

THE PAUPER PUG VERSUS FLETCHER'S PUG *EUPITHECIA EGENARIA* H.-S. (LEP.: GEOMETRIDAE)

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THIS PAPER WAS prompted by a short article by Gerry Haggett which appeared recently in Newsletter No. 49 of the Norfolk Moth Survey.

English names for butterflies is a time-honoured tradition, but not so for moths. Eminent lepidopterists such as Barrett, Buckler, Tutt and others were content to produce their great works without the embellishment of vernacular names and I am sure furnishing the microlepidoptera with Heslopean names as in the recently produced index to *Tutt's Hints* would cause the Great Man to turn in his grave. Today, however, the reverse is true and I recall some years ago when preparing my identification guide (Skinner, 1984) that the original publishers insisted that not only every species should have a vernacular name, but, as in *South*, it should take precedence. The overwhelming desire to see my book in print and the vision of possible royalties ensured that my scientific convictions were suppressed. This involved contacting the original captors of new species to Britain, soliciting English names, but at the same time tactfully ensuring that the names chosen were not too outrageous. The other problem faced was where two common names existed and in this decision I passed the buck and followed Bradley and Fletcher (1979).

Returning to the Pug: *E. egenaria* was first reported in Britain by Robin Mere (Mere, 1962) who, as was his prerogative, suggested Fletcher's Pug as the common name. Had Bradley and Fletcher gone along with this the present confusion would not have arisen. However in their wisdom they elected to use Pauper Pug. Haggett suggests modesty may have been the reason behind this choice, but I suspect these two learned authors, well versed in the complicated rituals of zoological nomenclature accepted the name coined in Heslop (1947), for reasons of priority. The name which is derived from the Latin is sensible enough, although the motives for Heslop



Goater, Barry. 1996. "Two weeks entomologising in Bulgaria, 12-26 September 1995." *The entomologist's record and journal of variation* 108, 269–284.

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