

## Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha) of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic)

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MALENOVSKÝ I. & LAUTERER P. 2012: Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha) of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). In: MALENOVSKÝ I., KMENT P. & KONVIČKA O. (eds.): Species inventories of selected insect groups in the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic). *Acta Musei Moraviae, Scientiae biologicae* (Brno) **96(2)** (2011): 155–322. – An account of leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha) in the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (south-eastern Moravia, Czech Republic) is provided, based mainly on field surveys in 1998–2012, evaluation of previously collected museum material, and literature. A total of 352 species were recorded, making up 62% of the Auchenorrhyncha fauna of the Czech Republic. *Edwardsiana ulmiphagus* Wilson et Claridge, 1999 and *Idiocerus vicinus* Melichar, 1898 (both Cicadellidae) are reported here for the Czech Republic for the first time, as are *Muellerianella fairmairei* (Perris, 1857) (Delphacidae), *Fieberiella bohémica* Dlabola, 1965, *Macropsis gravesteini* Wagner, 1953, and *Zygina ordinaria* (Ribaut, 1936) (all Cicadellidae) for Moravia. A complete list of all records from the area is supplemented by short notes on the distribution, ecological requirements and the conservation status of each species. The regional Auchenorrhyncha fauna is briefly discussed from the viewpoints of nature conservation and biogeography. Altogether 86 species are classified in the Red List of threatened invertebrates of the Czech Republic, five of them as critically endangered: *Tettigometra leucophaea* (Preyssl, 1792) which has, however, probably become extinct in the Bílé Karpaty; *Criomorpha williamsi* China, 1939, *Delphax pulchellus* (Curtis, 1833), *Euides alpina* (Wagner, 1948), and *Zygina frauenfeldi* Lethierry, 1880. The Bílé Karpaty Protected Landscape Area is particularly remarkable for a species-rich Auchenorrhyncha fauna of semi-dry meadows and pastures, calcareous spring fens and forest margins, and the relatively frequent occurrence of several species (e.g. *Kelisia irregulata* Haupt, 1935; *Tettigometra virescens* (Panzer, 1799); *Cercopis arcuata* Fieber, 1844; *Athysanus quadrum* (Boheman, 1845); *Batracomorphus allionii* (Turton, 1802); *Eupteryx lelievrei* (Lethierry, 1874); *E. origani* Zachvatkin, 1948; and *Handianus flavovarius* (Herrich-Schäffer, 1835)) which are very rare or absent elsewhere in the Czech Republic.

**Key words.** Cicadomorpha, Fulgoromorpha, faunistics, new records, nature conservation, grassland fauna, spring fens, forest margins, White Carpathians, Moravia, central Europe

### Introduction

The leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha) make up a relatively species-rich group of phytophagous insects that feed by sucking plant sap. The central European fauna comprises more than 900 species (HOLZINGER *et al.* 1997, 2003), of which 572 species have been recorded in the Czech Republic to date (DLABOLA 1954, 1977; MALENOVSKÝ & LAUTERER 2010). The Auchenorrhyncha as a whole utilize almost every type of semi-aquatic and terrestrial habitat, ranging from wetlands to dry grassland

and vertically from the soil to tree canopy layers. Most species are, however, specialized in some way for distinct habitat types and host plants and/or show ecological preferences for a definite microclimate, vegetation architecture, or frequency of habitat disturbance (NICKEL *et al.* 2002, NICKEL 2003). For these reasons, Auchenorrhyncha are increasingly being used as bioindicators, particularly in grassland ecosystems (ACHTZIGER 1999, BIEDERMANN *et al.* 2005). A few central European species are of economic interest, particularly as vectors of phytopathogenic viruses and phytoplasmas causing yield losses in field crops and vineyards (AMMAR & NAULT 2002, WEINTRAUB & BEANLAND 2006, BŘEZÍKOVÁ & LINHARTOVÁ 2007, RIPL *et al.* 2008, ORSÁGOVÁ *et al.* 2011).

The Auchenorrhyncha fauna of the Czech Republic has been made relatively well-known by numerous contributions from several authors, especially Jiří Dlabola, Pavel Lauterer and Veleslav Lang. A large quantity of data from all over the country is also stored with specimens in museum collections, particularly the Moravian Museum, Brno, the National Museum, Prague, the Slovak National Museum, Bratislava, and the Muséum d'Histoire naturelle, Paris. Detailed faunistic surveys on a regional scale have, however, been quite rare (LAUTERER 1995a, MALENOVSKÝ 2006, MALENOVSKÝ *et al.* 2011), so information on the distribution of many species of Auchenorrhyncha in the country is still fragmentary and biogeographical patterns in the group remain unclear.

The Bílé Karpaty Mts. [the White Carpathians], which extend along the Czech-Slovak border in south-eastern Moravia, constitute a biologically interesting region, unique in the Czech Republic for its geographical situation (representing the westernmost headland of the Carpathian mountain system in contact with the Pannonian lowland), geology (largely based on calcareous flysch), a relatively warm climate, and post-glacial history, particularly long-term non-intensive anthropogenic exploitation since prehistoric times. The Czech part of the mountains is currently protected as the Bílé Karpaty Protected Landscape Area and UNESCO Biosphere Reserve (hereafter abbreviated to the Bílé Karpaty PLA) and harbours a characteristic fauna and a remarkably diverse flora. The grassland communities, in particular, are associated with the most species-rich vegetation in Europe (KUČA *et al.* 1992, CULEK 1996, MACKOVČIN & JATIOVÁ 2002, JONGEPIEROVÁ 2008, KONVIČKA *et al.* 2012).

Knowledge of the Auchenorrhyncha fauna of the Bílé Karpaty has been inadequate for many years. A start was provided by LANG (1945a), who recorded 64 species on a four-day visit in August 1944 to five localities in the environs of the villages of Slavkov (Porážky), Horní Němčí (Lesná Hill), Suchá Loz (Studený vrch Hill) and Korytná (Lipiny Forest). For the following 35 years, the Bílé Karpaty Mts. were neglected by most entomologists and further data on the Auchenorrhyncha were collected only in 1979–1985, when the Czech side of the mountains was visited several times by Pavel Lauterer and his helpers from the Department of Entomology of the Moravian Museum, Brno, in the course of their long-term investigations into the Hemiptera fauna of Moravia. Apart from three remarkable species found for the first time in Moravia (LAUTERER 1983), most of the records from these excursions have remained unpublished. Within a monograph on the natural history of the Bílé Karpaty Mts., OKÁLI (1992) reviewed data

available in literature from both Czech and Slovak sides of the mountains and listed altogether 82 species (14 of which were recorded only in Slovakia in the environs of the towns of Senica and Trenčín by MUSIL (1958) and LAUTERER (1984), respectively). Since 1998, extensive Auchenorrhyncha material has been collected from throughout the Bílé Karpaty PLA on numerous excursions and as part of several projects on the part of Igor Malenovský and other colleagues, particularly Petr Kment. MALENOVSKÝ (2001) provided a species list for one of the core zones in the area, the Čertoryje National Nature Reserve. General texts dealing with the Hemiptera fauna of grasslands in the Bílé Karpaty Mts. have been compiled by KMENT & MALENOVSKÝ (2008) and LAŠTŮVKA *et al.* (2008). Some faunistic data from the Bílé Karpaty dealing with introduced alien species and new additions to the fauna of the Czech Republic have also been included in papers by LAUTERER & MALENOVSKÝ (2006), MALENOVSKÝ & LAUTERER (2006b, 2010), and LAUTERER *et al.* (2011).

The present paper summarizes all previously published records from the Czech side of the Bílé Karpaty Mts. and, particularly, it collates extensive unpublished data, most of which have been collected in recent years. The aim is to provide an up-to-date annotated list of leafhopper and planthopper species occurring in the area which may serve as base information for local nature conservation authorities. We hope that, in addition to characterising the regional fauna, it also improves knowledge of the distribution of individual Auchenorrhyncha species in the Czech Republic.

#### Material and methods

The area covered in this paper largely corresponds to the current administrative demarcation of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (KONVIČKA *et al.* 2012). Samples from a few localities situated close to, but outside, these borders (in the environs of the villages of Bánov, Blatnička, Boršice u Blatnice, Hluk, Javorník, Lipov, Louka, and Luhačovice) have been evaluated and included as well. Altogether, the material comes from 108 collecting sites situated throughout the Czech side of the Bílé Karpaty Mts. and adjacent portions of the Hlucká pahorkatina Hills and Luhačovická vrchovina Highlands. Many collections were made particularly in the south-western and extreme north-eastern parts of the area. In contrast, the environs of the towns of Bojkovice, Luhačovice and Slavičín remain poorly explored (Fig. 1).

Most data were collected in 1998–2012 by sweeping herbal vegetation as well as shrubs and the lower branches of trees with a sweep net. Some species were sought and collected individually close to the ground in litter, or by investigating known host plants, their bases and tussocks. A relatively large amount of data were acquired within several projects monitoring the fauna of grasslands in the area, using semi-quantitative standardized sweeping. Pitfall traps were used as a supplementary collecting method at ten grassland and two forest sites (see MIKULA & TUF 2004, TAJOVSKÝ *et al.* 2008 for details). Prolific material was also collected in 2007–2010 by the use of Malaise traps operated at selected sites in the Bílé Karpaty PLA by the Department of Entomology,

National Museum, Praha (Pavel Chvojka, Jan Ježek, and Jan Macek); only a small proportion of it, however, could be identified and evaluated for this paper. Just a few specimens were found trapped at light in the lamp domes of a house in Valašské Klobouky.

Voucher specimens for most records are deposited in the collection of the Department of Entomology, Moravian Museum, Brno. A few specimens collected by Petr Kment are kept in the National Museum, Praha, and those collected by Zdeněk Malinka in his personal collection in Opava. As well as recent collections, material collected in the 1970s and 1980s in the Bílé Karpaty Mts. by Pavel Lauterer and his helpers is also evaluated and listed here, based on specimens in the collection of the Moravian Museum, Brno. Finally, the historical material collected in the Bílé Karpaty Mts. by Velešlav Lang has been fully revised on the basis of his collection, which is deposited in the Slovak National Museum, Bratislava.

The task of identification was shared by Igor Malenovský and Pavel Lauterer. The nomenclature and classification of the Auchenorrhyncha in the paper mostly follows NICKEL & REMANE (2002), HOLZINGER *et al.* (2003) and HOCH (2012). These sources were also used to extract brief information on the general distribution of each species. The information on biology and host plants is largely based on NICKEL *et al.* (2002) and NICKEL (2003). The host plant nomenclature is derived from KUBÁT *et al.* (2002). Conservation status is based on the Red List of threatened invertebrates of the Czech Republic (MALENOVSKÝ & LAUTERER 2005a).

The following abbreviations are used in the paper: NM – Nature Monument, NNM – National Nature Monument, NNR – National Nature Reserve, NR – Nature Reserve, PLA – Protected Landscape Area (all of these are the various categories and terms specified by the Czech system of legally protected natural areas, Act No. 114/1992 coll.); LT – light trap, MT – Malaise trap, PT – pitfall trap; IM – Igor Malenovský leg., IT – Ivan H. Tuf leg., JJ – Jan Ježek leg., JM – Jan Macek leg., JT – Jana Tuřová leg., KD – Katarína Devánová leg., KF – Karel Fajmon leg., KR – Květoslav Rešl leg., LP – L. Pospíšilová leg., MH – Michal Horsák leg., OK – Ondřej Konvička leg.; PB – Petr Baňář leg., PBz – Pavel Bezděčka leg., PC – Pavel Chvojka leg., PK – Petr Kment leg., PL – Pavel Lauterer leg., VL – Velešlav Lang leg., ZM – Zdeněk Malinka leg.; CR – critically endangered species, EN – endangered species, VU – vulnerable species, NT – near-threatened species (the latter three all categories derived from the Red List of threatened invertebrates of the Czech Republic; MALENOVSKÝ & LAUTERER 2005a).

### List of collecting sites

Each entry in the list of collecting sites is arranged as follows: number of locality, name of the nearest village or town, local name of the collecting site or name of a small-scale protected area (reserve) if appropriate, code of the field (in parentheses) in the faunistic and floristic grid mapping system of central Europe (EHRENDORFER & HAMANN 1965, PRUNER & MÍKA 1996, each basic field divided into 16 subfields, see KONVIČKA *et al.* 2012), GPS coordinates, altitude, and habitat.

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

1. Luhačovice, Aloiska spring environs (6872d3), 49°06'08"N 17°45'54"E, 300 m a.s.l.; park.
2. Luhačovice (6872/6972); precise location of collecting sites unknown.
3. Petrůvka, U Petrůvky NM (6872d4), 49°06'35"N 17°48'38"E, 360–400 m a.s.l.; mesic meadows, pasture, forest margins.
4. Lipová, towards Haluzice (6873c2), 49°07'43"N 17°53'17"E, 490–500 m a.s.l.; beech forest, forest margins, clearings.
5. Valašské Klobouky, Brumovská street – 0.4–0.7 km SE from town centre (6874c1), 49°08'06"N 18°00'50"E, 380–400 m a.s.l.; mesic meadows and shrubs, gardens, ornamental and ruderal vegetation.
6. Valašské Klobouky, U Rybníků – valley of an unnamed brook on NW slopes of Královec hill (6874c1), 49°08'15"N 18°01'16"E, 430–510 m a.s.l.; shore vegetation around small ponds, alder carr, spruce monoculture forest.
7. Valašské Klobouky, Javorůvky NR (6874c1), 49°08'03"N 18°01'57"E, 510–575 m a.s.l.; mesic to wet meadows, spring fen, forest margins.
8. Valašské Klobouky, Dobšená NM (6874c1), 49°07'55"N 18°02'04"E, 525–580 m a.s.l.; dry to mesic meadows, spring fen, spruce monoculture margin.
9. Valašské Klobouky, Brumovka (=Kloboucký potok) brook valley – SW slopes of Královec hill 1.5 km SSE from town centre (6874c1), 49°07'47"N 18°01'03"E, 400–480 m a.s.l.; meadows, spring fens, forest margins.
10. Valašské Klobouky, Na Nivách – 1.3 km SWW from the top of the Královec hill (6874c1), 49°07'48"N 18°01'25"E, 555 m a.s.l.; spring fen, meadows, shrubs and trees, forest road vegetation.
11. Valašské Klobouky, Královec hill – main ridge and hilltop environs (6874c1/c2), 49°07'59"N 18°02'01"E, 570–650 m a.s.l.; spruce monoculture, forest glades.
12. Poteč, Ploščiny NR (6874c2), 49°08'22"N 18°03'42"E, 670–739 m a.s.l.; mesic to dry meadows, pastures, forest margins, forest glades.
13. Valašské Klobouky, Bílé potoky NR (6874c3), 49°07'01"N 18°01'25"E, 380–500 m a.s.l., mesic to wet meadows and pastures, spring fens, forest margins, forest undergrowth.
14. Brumov, Uhlíčky (6874c3), 49°06'16"N 18°01'57"E, 390–400 m a.s.l.; mesic meadows.
15. Nedašov, village (6874c4), 49°06'33"N 18°04'04"E, 410–430 m a.s.l.; ruderal and brook-side vegetation, meadows and pastures.
16. Nedašova Lhota, S foothills of Požár hill (6874d1), 49°08'13"N 18°04'44"E, 520 m a.s.l.; forest.
17. Nedašov, Jalovcová stráň NR (6874d3), 49°06'06"N 18°05'35"E, 580–650 m a.s.l.; dry pastures, spring fens, forest margins.
18. Nedašov, Kaňoury NM (6874d3), 49°06'52"N 18°06'21"E, 610–660 m a.s.l.; dry to mesic meadows, solitary trees and shrubs, forest margins.
19. Nedašov, Kaňúr hill and Hrušová dolina valley (6874d3), 49°06'23"N 18°06'35"E, 630–750 m a.s.l.; meadows, pastures, meadow and forest spring fens.
20. Bojkovice (6972); precise location of collecting site and habitat unknown.
21. Luhačovice, Luhačovická dolina valley (6972a2), 49°05'18"N 17°44'26"E, 230–300 m a.s.l.; forest margins, meadows.
22. Slavičín, town (6973a2), 49°04'55"N 17°53'11"E, 350 m a.s.l.; gardens and ruderal vegetation.
23. Rokytnice, Bukovina hill (6973a4), 49°03'31"N 17°53'31"E, 440–450 m; beech forest, clearings (locality cited as Slavičín-Hrádek na Vlárské dráze in MALENOVSKÝ & LAUTERER 2010).
24. Brumov, Kloboucká street (6974a1), 49°05'54"N 18°01'47"E, 350–400 m a.s.l.; dry to mesic sheep pastures.
25. Bylnice, Na Stráži (6974a1), 49°04'40"N 18°00'30"E, 350–390 m a.s.l.; dry grassland, shrubs.
26. Bylnice, Bylničky, S slopes of Tarandové hill towards Bylnička brook (6974a2/a4), 49°04'33"N 18°02'10"E, 360–530 m a.s.l.; streamside vegetation, pastures, dry to mesic meadows, birch stands (locality cited as "Bylnice, S slopes of the Na Tatrách Hill towards Bylnička brook" in LAUTERER 1983)
27. Bylnice, railway station environs (6974a3), 49°04'05"N 18°00'53"E, 300 m a.s.l.; dry to wet ruderal and riverside vegetation.

28. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (6974a3), 49°03'33"N 18°00'34"E, 380–425 m a.s.l.; mesic to wet meadows, spring fens, forest margins.
29. Nedašov, Na Salaši (6974b1), 49°05'41"N 18°06'10"E, 500–600 m a.s.l.; tall-sedge bed in beech forest, brook side vegetation.
30. Nedašov, Pod Cigánem NM (6974b1), 49°05'43"N 18°05'26"E, 575–605 m a.s.l.; mesic to wet meadows and pastures, spring fen.
31. Sidonie, Vlárka brook valley above village (6974b3), 49°03'33"N 18°05'30"E, 460–480 m a.s.l.; meadows on slopes, streamside vegetation, alder carr.
32. Svatý Štěpán, Nadřičí (6974c1), 49°02'29"N 18°02'14"E, 300–330 m a.s.l.; broad-leaved forest, vegetation along forest brook, river shore.
33. Sidonie, Vlárský průsmyk pass (6974c2), 49°01'53"N 18°03'06"E, 270 m a.s.l.; river shore vegetation [on the Czech-Slovak border near Horné Srnie-Rybníky].
34. Lipov (7070); precise location of collecting site and habitat unknown.
35. Hluk, Kobyli hlava NM (7071a3), 48°57'22"N 17°31'31"E, 330–340 m a.s.l.; dry grassland, forest glade, forest margins.
36. Hluk, Babí hora NM (7071a4), 48°57'23"N 17°33'47"E, 320–330 m a.s.l.; fragment of dry grassland, shrubs.
37. Hluk, Hlucké louky meadows – Horní louky and Dolní louky (7071a3/a4), 48°57'10"N 17°32'30"E, 230–260 m a.s.l.; meadows, fields.
38. Korytná, Lipiny forest (7071b4/d2), 48°56'58"N 17°39'00"E, 350 m a.s.l.; oak-hornbeam forest with a few clearings (locality cited as "Nivnice – Lipiny" in LANG 1945a).
39. Blatnička, Milejovské louky meadows (7071c1), 48°56'45"N 17°30'44"E, 270–295 m a.s.l.; dry meadows.
40. Blatnička, Jasenová hill (7071c2), 48°56'16"N 17°33'02"E, 270–400 m a.s.l.; oak-hornbeam forest, meadows.
41. Boršice u Blatnice, Boršický potok brook valley (7071c2), 48°56'46"N 17°34'04"E, 260–280 m a.s.l.; ruderal and streamside vegetation, dry grassland, forest undergrowth.
42. Louka, Hloží NR (7071c3), 48°54'39"N 17°30'26"E, 270–300 m a.s.l.; dry grassland, shrubs.
43. Suchov, Búrová NNM (7071c4), 48°54'04"N 17°33'06"E, 450–530 m a.s.l.; meadows.
44. Horní Němčí, village (7071d1), 48°55'42"N 17°37'40"E, 330–350 m a.s.l.; ruderal and ornamental vegetation.
45. Horní Němčí, Hornoněmčanský háj forest (7071d1), 48°55'02"N 17°37'43"E, 380–400 m a.s.l.; oak-hornbeam forest.
46. Korytná, Březí (7071d2), 48°55'32"N 17°39'48"E, 400–450 m a.s.l.; pastures, solitary trees and shrubs, forest margins.
47. Suchov, Kazivec brook valley (7071d3), 48°54'14"N 17°36'57"E, 480–550 m a.s.l.; mesic to wet meadows, brookside vegetation.
48. Horní Němčí, Drahy NR (7071d4), 48°55'20"N 17°38'13"E, 380–510 m a.s.l.; dry grassland, meadows and pastures, spring fens, solitary trees and shrubs, orchards.
49. Horní Němčí, Vínohrádky (7071d4), 48°55'19"N 17°38'35"E, 430–500 m a.s.l.; intensively used cattle pasture.
50. Horní Němčí, Horní kopec hill (7071d4), 48°54'60"N 17°39'12"E, 550–590 m a.s.l.; forest road margin, broad-leaved forest.
- 50a. Horní Němčí, Uvezené NM (7071d4), 48°54'33"N 17°38'52"E, 510–580 m a.s.l.; oak-hornbeam forest.
51. Horní Němčí, Lesná hill (7071d4/7171b2), 48°53'54"N 17°38'53"E, 550–690 m a.s.l.; meadows and pastures, solitary shrubs and trees, forest margins.
52. Bánov, Skalky hill (7072a2), 48°58'52"N 17°44'34"E, 350–380 m a.s.l.; ruderal vegetation, fields, dry grassland, shrubs.
53. Komňa, Nový Dvůr (7072b2), 48°58'43"N 17°48'15"E, 480–500 m a.s.l.; forest margins, meadow, roadside vegetation.
54. Komňa, Lom Rasová NM (7072b2), 48°58'34"N 17°48'42"E, 540–570 m a.s.l.; abandoned sandstone quarry with pond, dry grassland, spring fen, solitary trees and shrubs.

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

55. Vápenice, Trstná brook valley (7072b4), 48°58'30"N 17°49'37"E, 430–500 m a.s.l.; spruce forest monoculture, forest glades, streamside vegetation.
56. Korytná, Lubná pond environs (7072c1), 48°56'48"N 17°40'51"E, 320 m a.s.l.; shore vegetation.
57. Suchá Loz, Studený vrch hill (7072c2), 48°56'28"N 17°43'36"E, 500–600 m a.s.l., meadow with scattered trees, shrubs and spring fens.
58. Březová, Kalábová NM (7072c2), 48°56'22"N 17°44'38"E, 500–550 m a.s.l.; spring fen (including the material cited by LANG 1945a from the site no. III: Suchá Loz – Studený vrch hill; based on Lang's indication that his collecting sites were small spring fens situated on the south-eastern slope of the Studený vrch hill, he collected probably close to the current Kalábová NM).
59. Strání, Hrnčárky NM and Žabka reservoir surroundings (7072c3), 48°54'32"N 17°40'34"E, 440–500 m a.s.l.; dry to mesic meadows, spring fen, disturbed wetland vegetation on reservoir shores, solitary trees and shrubs, forest margins, forest road.
60. Strání, Obecnice hill (7072c3), 48°54'51"N 17°40'55"E, 530–550 m a.s.l.; dry, intensively used sheep pasture.
61. Strání, village (7072c3), 48°54'13"N 17°42'06"E, 400 m a.s.l.; ornamental vegetation.
62. Strání, Důbrava hill (7072c4), 48°55'05"N 17°43'29"E, 540–550 m a.s.l.; forest glade.
63. Lopeník, U Zvonice NM (7072d1), 48°56'25"N 17°47'12"E, 630–670 m a.s.l.; mesic to wet meadows, spring fens, solitary trees and shrubs.
64. Lopeník, Lopenické sedlo (7072d2), 48°56'13"N 17°48'04"E, 700–720 m a.s.l.; cattle pasture, spring fen, solitary trees and shrubs.
65. Lopeník, Mikulčín vrch hill (7072d2), 48°56'40"N 17°48'26"E, 700–790 m a.s.l.; beech forest, spruce monoculture, forest glade.
66. Vápenice, Krátkovský potok brook valley (7073a3), 48°58'04"N 17°50'42"E, 550 m a.s.l.; streamside vegetation.
67. Starý Hrozenkov, Skalka (=Hrozenkovský lom) quarry (7073a3), 48°58'22"N 17°52'12"E, 550–580 m a.s.l.; dry grassland, forest margins, dry to wet ruderal vegetation in abandoned basalt quarry.
68. Starý Hrozenkov, Hrozenkovské terasy (7073a3), 48°58'15"N 17°51'51"E, 470–550 m a.s.l.; old orchard grazed by cattle, shrubs, disturbed spring fens.
69. Vyškovec, Vyškovecké Bošačky (7073c1), 48°55'52"N 17°49'55"E, 550 m a.s.l.; dry cattle pasture, mesic meadows, orchard.
70. Vyškovec, Pod Hřibovňou NM (7073c1), 48°55'58"N 17°50'43"E, 550–640 m a.s.l.; mesic meadows and pastures, forest margins.
71. Vyškovec, Ve Vlčí NR (7073c1), 48°55'46"N 17°51'25"E, 600–700 m a.s.l.; dry to mesic meadows, forest margins, small woods.
72. Petrov, Staré hory hill (7169b3), 48°51'41"N 17°17'56"E, 195–260 m a.s.l.; vineyards, field margins.
73. Radějov, Žerotín NM (7169b4), 48°51'44"N 17°19'34"E, 290–320 m a.s.l.; dry grassland, open thermophilous oak forest, solitary trees and shrubs, spring fen, fields.
74. Radějov, Holý vrch hill (7170a3), 48°51'03"N 17°20'01"E, 280–380 m a.s.l.; ruderal grassland, forest margins.
75. Kněždub, Kněždubský háj forest (7170a4), 48°52'14"N 17°24'31"E, 270–350 m a.s.l.; oak and hornbeam forest, forest margins.
76. Radějov, Lučina (7170a4), 48°51'46"N 17°23'45"E, 300 m a.s.l.; shrubs and trees, alder carr nitrophilous vegetation along brook and pond.
77. Kněždub, Čertoryje NNR – Járkovec brook valley (7170a4/c2), 48°51'18"N 17°24'44"E, 320–440 m a.s.l.; dry to wet meadows, spring fens, solitary trees and shrubs, forest margins.
78. Lipov, Hájová hill (7170b2), 48°53'49"N 17°28'35"E, 330–350 m a.s.l.; dry to mesic meadows.
79. Kněždub, Čertoryje NNR – Radějovka brook valley (7170b3), 48°51'38"N 17°25'43"E, 350–440 m a.s.l.; mesic to wet meadows, solitary trees and shrubs, streamside vegetation.
80. Malá Vrbka, Výzkum hill (7170b3), 48°52'03"N 17°26'27"E, 350–430 m a.s.l., restored grassland on arable land, disused fields, ruderal vegetation, forest margins.

81. Malá Vrbka, village (7170b3), 48°52'09"N 17°27'33"E, 280 m a.s.l.; ornamental gardens.
82. Hrubá Vrbka, football ground (7170b4), 48°52'07"N 17°28'08"E, 260 m a.s.l.; ruderal vegetation.
83. Hrubá Vrbka, village (7170b4), 48°52'13"N 17°28'49"E, 260 m a.s.l.; ruderal and ornamental vegetation.
84. Radějov, Měsíční údolí valley (7170c1), 48°50'28"N 17°20'54"E, 280–330 m a.s.l.; forest margins, shrubs and trees along stream.
85. Radějov, Veselka hill (7170c1/c2), 48°50'31"N 17°22'38"E, 300–495 m a.s.l.; oak and hornbeam forest.
86. Radějov, Kútky NR (7170c2), 48°49'58"N 17°23'13"E, 350–480 m a.s.l.; mesic meadows, spring fens.
87. Velká nad Veličkou, village (7171a1), 48°52'51"N 17°30'58"E, 290–330 m a.s.l.; ruderal vegetation, orchards and ornamental gardens.
88. Velká nad Veličkou, Zahrady pod Hájem NNR (7171a1), 48°52'58"N 17°31'52"E, 300–480 m a.s.l.; dry grassland, meadows, orchards, small fields, solitary trees and shrubs, forest margins.
89. Suchov, Suchové Mlýny (7171a2), 48°53'03"N 17°34'16"E, 360–380 m a.s.l.; dry sheep pasture, mesic meadow, spring fen, streamside vegetation.
90. Suchov, Trnovský Mlýn (7171a2), 48°53'44"N 17°34'46"E, 440–450 m a.s.l.; dry sheep pasture, mesic meadow.
91. Velká nad Veličkou, towards Javorník (7171a3), 48°52'22"N 17°31'58"E, 330–390 m a.s.l.; meadows.
92. Javorník, village (7171a3), 48°51'51"N 17°31'55"E, 310–320 m a.s.l.; ruderal and ornamental vegetation.
93. Javorník, SW slopes of Háj hill (7171a3), 48°52'06"N 17°32'10"E, 260–300 m a.s.l.; dry grassland, meadows.
94. Javorník, Nad Vápenkou NM (7171a3), 48°51'40"N 17°31'19"E, 360 m a.s.l.; dry grassland, shrubs.
95. Javorník, loampit W of village (proposed as Javorník-hliník NM) (7171a3), 48°51'43"N 17°30'59"E, 350–390 m a.s.l.; abandoned loampit, dry grassland, spring fen, ruderal vegetation, railway embankment.
96. Javorník, Jazevčí NNR (7171a4), 48°52'19"N 17°33'42"E, 340–475 m a.s.l.; mesic to dry meadows, spring fens, solitary trees and shrubs, forest margins.
97. Javorník, Petruchovy Mlýny (7171a4), 48°52'00"N 17°33'07"E, 370 m a.s.l.; dry to mesic meadows, cattle pasture.
98. Nová Lhota, Fojtické Mlýny (7171b1), 48°52'44"N 17°36'32"E, 440–480 m a.s.l.; meadows.
99. Nová Lhota, Vápenky, Porážky NNR (7171b1/b2), 48°53'08"N 17°37'24"E, 550–640 m a.s.l.; meadows, forest fringes (locality cited as "Slavkov – Porážky" in LANG 1945a).
100. Nová Lhota, Vápenky, Vápenky NM (7171b2), 48°52'34"N 17°38'26"E, 470–570 m a.s.l.; beech forest.
101. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (7171b4), 48°52'04"N 17°38'43"E, 470–900 m a.s.l.; streamside vegetation, beech forest.
102. Javorník, Machová NR (7171c1), 48°49'47"N 17°31'56"E, 380–575 m a.s.l.; meadows, spring fens, solitary trees and shrubs, forest margins.
103. Javorník, Výzkum hill – W and SW slopes (7171c1), 48°50'15"N 17°32'04"E, 460–500 m a.s.l.; meadows, shrubs.
- 103a. Javorník, Filipovské údolí (7171c2), 48°50'50"N 17°33'07"E, 400 m a.s.l.; habitat unknown.
104. Strání, Záhumenice NM (7172a1), 48°53'40"N 17°41'09"E, 450–510 m a.s.l.; mesic to wet meadows, cattle pasture, forest margins, small woods.
105. Strání, Nová hora NR (7172a2), 48°53'23"N 17°43'34"E, 400–490 m a.s.l.; mesic meadows, forest margins.
106. Strání, Javorina NNR (7172a3), 48°51'32"N 17°40'33"E, 830–970 m a.s.l.; montane meadow, beech and ravine forests, forest glades.



Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

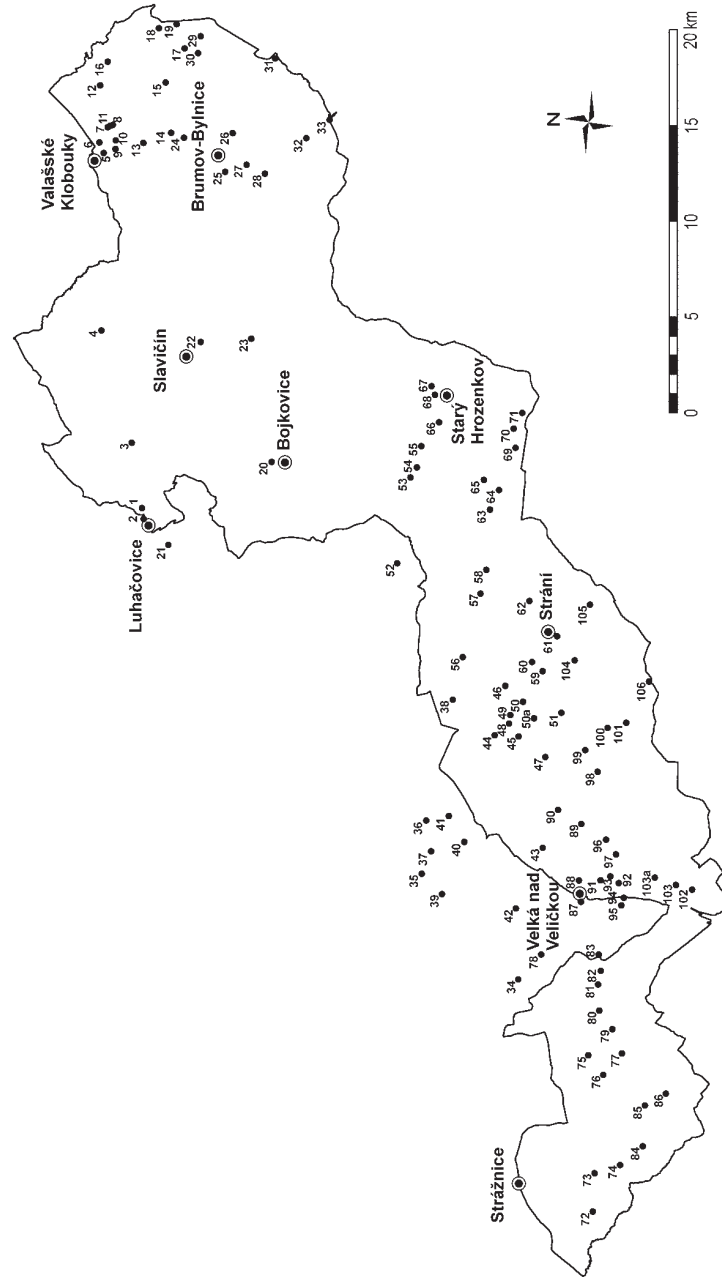


Fig. 1. A simplified map of the Bílé Karpaty PLA with the locations of collecting sites studied.

### Annotated list of species

The individual species are listed in descending order from suborders to families (as in HOLZINGER *et al.* 2003), and, within each family, alphabetically. All material examined for each species is listed with individual records ordered according to the number of the collecting site. Each record is arranged as follows: name of the collecting site and its number (in parentheses), date(s) of collection(s), number of specimens, collecting method (if other than sweeping or individual search), and collector(s). For previously published records, only the name and number of the collecting site are given; other details of these records can mostly be found in the corresponding papers. All of the revised Lang specimens from the Bílé Karpaty Mts. are deposited in his collection in the Slovak National Museum, Bratislava, and bear uniformly printed locality labels “Korytná, 1944”. They clearly correspond, however, to the information published in the paper (LANG 1945a) where species are assigned to four different collecting sites (data from Porážky and Lesná Hill mixed together), a scheme that is also respected here.

### Suborder FULGOROMORPHA

#### Family CIXIIDAE

#### *Cixius (Acanthocixius) sticticus* Rey, 1891 f. *alpestris* Wagner, 1939 (EN)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Valašské Klobouky, Bílé potoky NR (13); Lopeník, Mikulčín vrch hill (65).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected at forest margins in two relatively cool sites in the north-eastern and central parts of the area: sporadic. **General distribution:** Southern half of central and eastern Europe, Mediterranean region. **Host plants:** Probably polyphagous on shrubs and tall herbs. **Red List status:** Endangered.

**Comments.** HOLZINGER *et al.* (2003) treat *Cixius sticticus* as a species group including four distinct morphotypes with unclear taxonomic status. Two of them have been recorded for the Czech Republic: the morphotype *alpestris* which has been known so far only from the two above cited records from the Bílé Karpaty PLA and the morphotype *vindobonensis* Wagner, 1939, documented from two sites in the Pavlovské vrchy Hills and the Bobravská vrchovina Highlands (MALENOVSKÝ & LAUTERER 2010).

#### *Cixius (Acanthocixius) stigmaticus* (Germar, 1818) (VU)

**Material examined.** Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 1 ♀, IM. Vyskovec, Ve Vlčí NR (71), 22.v.2005, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from the north-eastern and central parts of the area; rarely found at forest margins and in the interior of a hornbeam forest. **General distribution:** European. **Host plants:** Probably polyphagous on deciduous woody plants. **Red List status:** Vulnerable.

**Comments.** *Cixius stigmaticus* is probably a widespread but rarely collected species in the Czech Republic; the few previously published records are from southern Bohemia and the Moravskoslezské Beskydy Mts. in north-eastern Moravia (DLABOLA 1954).

***Cixius (Ceratoxixius) cunicularius (Linnaeus, 1767)***

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♂♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM; 13.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♂, PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM; 22.vi.2001, 1 ♂, IM & PK. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but uncommon; mostly found in relatively humid sites such as brook valleys and spring fens. **General distribution:** Palaearctic. **Host plants:** Various deciduous trees and shrubs. **Red List status:** –.

***Cixius (Ceratoxixius) simplex (Herrich-Schäffer, 1835)***

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♂♂ 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 1 ♀, IM. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♀, IM. Louka, Hloží NR (42), 7.ix.1998, 1 ♂, IM. Horní Němčí, village (44), 10.ix.1998, 4 ♂♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 2 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂ 2 ♀♀, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 10.ix.2008, 1 ♂ 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂ 3 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 5 ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 1 ♀, IM. Strání, Záhumenice NM (104), 21.ix.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; quite common in dry to mesic grasslands with scattered shrubs and along forest margins. **General distribution:** Southern parts of western Palaearctic. **Host plants:** Probably polyphagous on various woody plants. **Red List status:** –.

***Cixius (Cixius) nervosus (Linnaeus, 1758)***

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM; 14.viii.2006, 1 ♀, PK. Brumov, Uhličky (14), 1.ix.2004, 1 ♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 3 ♀♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Obecnice hill (60), 9.viii.2001, 1 ♀, PK. Vyškovec, Vyškovecké Bošačky (69), 24.vii.2005, 1 ♀; 3.ix.2005, 1 ♀; both PK. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 3 ♂♂, IM. Radějov, Lučina (76),

13.v.1998, 1 ♂; 14.vii.1998, 2 ♀♀; all IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀; 27.vii.2000, 1 ♂; both IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 2 ♀♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 2 ♂♂ 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM; 19.vi.2000, 2 ♂♂, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 7 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 1 ♀, IM; 17.vi.–19.vii.2003, 1 ♀, PT, KR. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 2 ♂♂ 1 ♀, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♀, PK; 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 1 ♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in various dry to wet habitats: mostly along forest margins, in grasslands with scattered trees and shrubs and on streamside vegetation. **General distribution:** Holarctic. **Host plants:** Various deciduous shrubs and trees. **Red List status:** –.

*Cixius (Paracixius) distinguendus* Kirschbaum, 1868 (VU)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Rokytnice, Bukovina hill (23).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one finding in a beech forest in the north-eastern part of the area. **General distribution:** Western Palaearctic. **Host plants:** Probably polyphagous on various woody plants. **Red List status:** Vulnerable.

**Comments.** *Cixius distinguendus* is probably a widely distributed species in the Czech Republic; it is, however, only rarely collected (MALENOVSKÝ & LAUTERER 2010).

*Hyalesthes obsoletus* Signoret, 1865

**Material examined.** Javorník, Petruchovy Mlýny (97), 27.vii.2005, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented from only one site (a dry cattle pasture) in the south-western part of the area. **General distribution:** Southern parts of western Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs, frequently associated with *Convolvulus arvensis* or *Urtica dioica*. **Red List status:** –.

**Comments.** *Hyalesthes obsoletus* is a vector of phytoplasmas causing the stolbur disease of solanaceous plants (BŘEZÍKOVÁ & LINHARTOVÁ 2007, ORSÁGOVÁ *et al.* 2011) and the “bois noir” grapevine yellow disease. Its distribution in the Czech Republic is scattered in warm areas with oscillating abundance in different years (LAUTERER & BŘEZÍKOVÁ 2006, MALENOVSKÝ *et al.* 2011, ŠAFÁŘOVÁ *et al.* 2011).

*Reptalus panzeri* (Löw, 1883) (NT)

**Material examined.** Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂ 3 ♀♀, IM. Lipov (34), 10.vii.2009, 1 ♂ 4 ♀♀, ZM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂ 4 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67),

2.vii.2007, 2 ♂♂ 6 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂ 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 3 ♂♂ 2 ♀♀, IM & PK. Malá Vrbka, Výzkum hill (80), 28.vii.2001, 2 ♀♀, IM & PK. Malá Vrbka, village (81), 19.vi.2000, 1 ♀, IM & PK. Hrubá Vrbka, village (83), 28.vii.2001, 1 ♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♀, PK. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widely distributed, extending from the south-western part to the environs of Bylnice in the north-east but quite uncommon and restricted to the warmest and driest sites; in disturbed dry grassland, dry ruderal sites and on waysides. **General distribution:** Southern parts of western Palaearctic. **Host plants:** Polyphagous on herbs and shrubs. **Red List status:** Near-threatened.

***Reptalus quinquecostatus* (Dufour, 1833)**

**(VU)**

**Material examined.** Suchov, Suchovské Mlýny (89), 23.vi.2004, 2 ♂♂, IM; 16.viii.2004, 1 ♂, PK; 27.vii.2005, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in one site (a dry sheep pasture) in the south-western part of the area. **General distribution:** Southern parts of western Palaearctic. **Host plants:** Probably polyphagous on herbs and shrubs. **Red List status:** Vulnerable.

**Comments.** *Reptalus quinquecostatus* is a sporadic species in the Czech Republic that has been documented only from the Pannonian part of southern Moravia so far: the Pavlovské vrchy Hills, the environs of Lednice and the Výhon hill near Židlochovice (DLABOLA 1956, LAUTERER 1957, MALENOVSKÝ *et al.* 2011).

***Tachycixius pilosus* (Olivier, 1791)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Luhačovice, Aloiska spring environs (1), 12.v.2011, 2 ♂♂ 2 ♀♀, MH. Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♂ 4 ♀♀, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♀, PB. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀; 30.vi.2001, 1 ♂ 1 ♀; all IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM; 22.vi.2001, 2 ♀♀, IM & PK. Kněždub, Čertoryje NNR (77, 79), 22.v.2000, 2 ♀♀, PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 1 ♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♂ 1 ♀; 9.–10.ix.2000, 1 ♀; all IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 1 ♀, IM. Javorník, Jazevečí NNR (96), 6.v.2000, 7 ♂♂ 3 ♀♀; 19.vi.2000, 1 ♂♂ 4 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 3.v.2001, 2 ♂♂, IM. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM; 14.vi.2010, 11 ♂♂ 12 ♀♀, MT, JM & PC. Strání, Záhumenice NM (104), 24.v.2001, 1 ♀, IM; 15.vi.2010, 8 ♂♂ 4 ♀♀, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common at forest margins and on shrubs scattered in grasslands throughout the area. **General**

**distribution:** Western Palaearctic. **Host plants:** Polyphagous on deciduous woody plants. **Red List status:** –.

***Trigonocranus emmeae* Fieber, 1876**

**Published records.** MALENOVSKÝ & LAUTERER (2010): Starý Hrozenkov, Skalka quarry (67); Starý Hrozenkov, Hrozenkovské terasy (68).

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two small, adjacent sites in the environs of Starý Hrozenkov in the central part of the area; collected as macropterous females in sunny places with sparse, low herbaceous vegetation and bare ground (an abandoned quarry and a margin of a cattle pasture). **General distribution:** Central Europe, Great Britain, Croatia and Caucasus. **Host plants:** Unknown; larvae and brachypterous adults living in the topsoil and leaf litter. **Red List status:** Not evaluated.

**Comments.** In the Czech Republic, *Trigonocranus emmeae* is so far known only from the Bílé Karpaty PLA but may be overlooked elsewhere because of its cryptic way of life (MALENOVSKÝ & LAUTERER 2010).

**Family DELPHACIDAE**

***Acanthodelphax spinosa* (Fieber, 1866)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♂, PK. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 8 ♂♂ 1 ♀; 2.vii.1999, 1 ♀; all IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM; 1.vi.2002, 2 ♀♀, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀; 11.vii.2006, 19 ♂♂ 15 ♀♀; all IM. Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 6 ♂♂; 3.vii.1999, 1 ♂; 10.ix.1999, 1 ♂; 1.ix.2004, 3 ♂♂; 28.v.2005, 9 ♂♂ 7 ♀♀; 28.vii.2005, 5 ♂♂ 4 ♀♀ 2 larvae; 6.ix.2005, 1 ♀; 17.vi.2006, 1 ♂; all IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂ 1 ♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 10 ♂♂ 2 ♀♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 3 ♂♂ 1 ♀, IM; 28.v.2005, 2 ♂♂, IM; 28.vii.2005, 1 ♂ 2 ♀♀, PK; 4.vii.–6.viii.2005, 1 ♂, PT, KR; 4.ix.2005, 1 ♂, PK. Bylnice, Na Stráži (25), 11.vii.2006, 7 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 3 ♂♂; 1.ix.2004, 72 ♂♂ 18 ♀♀ 1 larva; 5.x.2004, 56 larvae; 28.v.2005, 26 ♂♂ 27 ♀♀ 1 larva; 28.vii.2005, 515 ♂♂ 236 ♀♀ 3 larvae; 6.ix.2005, 10 ♂♂ 6 ♀♀ 1 larva; all IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂; 16.viii.2009, 1 ♂; all PB. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂, PK; 23.v.2002, 1 ♂, IM; 21.vii.2002, 12 ♂♂ 3 ♀♀, IM; 10.ix.2002, 1 ♀, IM. Horní Němčí, Vinohrádky (49), 20.vii.2002, 1 ♂ 1 ♀; 10.ix.2002, 3 ♂♂; all IM. Strání, Obecnice hill (60), 20.vii.2002, 1 ♂ 5 ♀♀, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 2 ♀♀; 16.iv.–20.v.2005, 1 ♀, PT, KR; 21.v.2005, 5 ♂♂ 4 ♀♀ 2 larvae; 24.vii.2005, 8 ♂♂ 13 ♀♀; all IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 8 ♂♂ 4 ♀♀, IM; 25.ix.2004, 1 ♂ 1 ♀, IM; 21.v.2005, 47 ♂♂ 29 ♀♀, IM; 24.vii.2005, 43 ♂♂ 29 ♀♀, IM; 3.ix.2005, 15 ♂♂ 10 ♀♀, PK. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 2 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 8 ♂♂ 3 ♀♀, PK; 21.v.2005, 6 ♂♂ 5 ♀♀ 1 larva, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 2 ♂♂ 1 ♀, PK; 21.v.2005, 4 ♂♂ 2 ♀♀, IM; 24.vii.2005, 1 ♂ 1 ♀, PK; 8.ix.2005, 3 ♂♂ 1 ♀, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 1 ♂, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂ 1 ♀; 19.iv.2012, 3 ♂♂ 2 ♀♀; all IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 2.vi.2008, 1 ♂; 7.vi.2010, 1 ♂; both IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 3 ♂♂ 3 ♀♀, IM & PK.

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

Radějov, Kútky NR (86), 11.vii.1998, 1 ♂ 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 16 ♂♂ 23 ♀♀; 18.iv.2000, 11 ♂♂ 9 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂; 26.v.2005, 2 ♂♂; 27.vii.2005, 17 ♂♂ 14 ♀♀; 1.ix.2005, 38 ♂♂ 28 ♀♀; all IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 2 ♂♂, IM; 16.viii.2004, 11 ♂♂ 2 ♀♀, PK; 1.x.2004, 1 ♂, IM; 26.v.2005, 96 ♂♂ 53 ♀♀, IM; 27.vii.2005, 323 ♂♂ 143 ♀♀ 5 larvae, IM; 1.ix.2005, 7 ♂♂ 1 larva, IM. Javorník, Nad Vápenkou NM (94), 6.v.2000, 1 ♂, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 10 ♂♂ 2 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 3 ♂♂ 1 ♀; 1.x.2004, 2 ♂♂; 26.v.2005, 3 ♂♂ 5 ♀♀; 27.vii.2005, 16 ♂♂ 12 ♀♀; 1.ix.2005, 14 ♂♂ 4 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 19 ♂♂ 18 ♀♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 6 ♂♂ 5 ♀♀, IM; 9.viii.2001, 2 ♂♂ 1 ♀, PK; 20.vii.2001, 43 ♂♂ 17 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 4 ♂♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in sunny, dry to mesic pastures and meadows from low to the highest elevations. **General distribution:** Europe except the north and the Mediterranean region. **Host plants:** Fine-leaved *Festuca* spp. (*F. rubra* and *F. ovina* group). **Red List status:** –.

*Anakelisia perspicillata* (Boheman, 1845)

(VU)

**Published records.** DLABOLA (1954): Javorník, Filipovské údolí (103a).

**Additional material examined.** Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 1 ♂; 1.ix.2004, 1 ♀; 6.ix.2005, 2 ♂♂ 1 ♀; all IM; 25.vi.2002, 1 ♀, PK. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♀, PK. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♀, PK; 21.ix.2001, 1 ♀, IM; 10.ix.2002, 1 ♀, IM. Vyškovec, Vyškovecké Bošacky (69), 3.ix.2005, 2 ♂♂ 3 ♀♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♀♀, IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widely distributed throughout the area but quite rare and restricted to species-rich dry grassland sites with short vegetation (e.g. pastures and landslides on dry hillsides). **General distribution:** Palaearctic. **Host plants:** *Carex flacca* and *C. pilulifera*. **Red List status:** Vulnerable.

**Comments.** *Anakelisia perspicillata* is a widespread but quite local species in the Czech Republic that has been recorded e.g. from the foothills of the Krkonoše Mts. in north-eastern Bohemia, Třeboňsko PLA in southern Bohemia and the Bohemian-Moravian Highlands in western Moravia (DLABOLA 1954 and unpublished records from the Moravian Museum, Brno).

*Asiraca clavicornis* (Fabricius, 1794)

**Material examined.** Hluk, Kobyly hlava NM (35), 24.viii.2002, 1 ♂ 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 3 ♀♀ 1 larva, IM. Louka, Hloží NR (42), 24.iv.1999, 1 ♂ 1 ♀, MH. Vyškovec, Vyškovecké Bošacky (69), 8.v.2004, 1 ♂ 2 ♀♀, IM; 25.ix.2004, 1 ♂, PK; 21.v.2005, 3 ♂♂, IM; 3.ix.2005, 2 ♂♂, PK. Petrov, Staré hory hill (72), 19.viii.2002, 2 ♂♂, PK. Radějov, Žerotín NM (73), 9.viii.2002, 1 ♂ 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 17.iv.2000, 1 ♀, IM; 4.x.2002, 1 ♀, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 3 ♂♂ 1 ♀; 27.vii.2000, 1 larva; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Largely restricted to xerothermic sites in the south-western part of the area with isolated records from the Bošacká dolina near Vyškovec in the central part; uncommon in dry grassland, ruderal sites and on waysides. **General distribution:** Palaearctic. **Host plants:** Probably polyphagous on herbs. **Red List status:** –.

### *Chloriona smaragdula* (Stål, 1853)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 13 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 1 ♂; 16.vi.2006, 25 ♂♂ 18 ♀♀; 11.vii.2006, 8 ♂♂ 2 ♀♀; all IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 4 ♂♂, PB. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂, PL. Suchov, Suchovské Mlýny (89), 6.v.2000, 8 ♂♂, IM. Javorník, loampit W of village (95), 24.v.2002, 59 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably scattered throughout the area although not recorded from its central part; locally common in spring fens overgrown with reed. **General distribution:** Western Palaearctic. **Host plants:** *Phragmites australis*. **Red List status:** –.

### *Chloriona unicolor* (Herrich-Schäffer, 1835) (VU)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). MALENOVSKÝ & LAUTERER (2010): Blatnička, Milejovské louky meadows (39); Kněždub, Čertoryje NNR (77, 79); Suchov, Suchovské Mlýny (89); Javorník, Machová NR (102).

**Additional material examined.** Javorník, loampit W of village (95), 24.v.2002, 18 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded only from several calcareous spring fens in the south-western part of the area, quite rare. **General distribution:** Southern parts of central Europe, Mediterranean region and central Asia. **Host plants:** *Phragmites australis*. **Red List status:** Vulnerable.

**Comments.** *Chloriona unicolor* appears to be fairly frequent on reed in lowlands and hills in south-eastern Moravia but sporadic elsewhere in the Czech Republic (MALENOVSKÝ & LAUTERER 2010).

### *Conomelus anceps* (Germar, 1821)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 7 ♂♂ 11 ♀♀, IM; 24.viii.2002, 2 ♂♂, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♂♂ 4 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂ 4 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂; 10.ix.1999, 1 ♂ 6 ♀♀; all IM; 16.viii.2006, 1 ♂ 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Plánava hill (28), 12.ix.1999, 2 ♂♂ 1 ♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 2 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♂♂; 5.x.2004, 1 ♂♂ 2 ♀♀; 28.vii.2005, 2 ♀♀; all IM. Horní Němčí, Drahy NR (48), 21.ix.2001, 2 ♀♀, PK; 10.ix.2002, 1 ♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂ 1 ♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 3 ♀♀; 8.viii.2007, 2 ♂♂ 1 ♀; all IM. Radějov, Veselka hill (85), 11.vii.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 5 ♀♀; 8.ix.1998, 1 ♂ 1 ♀; all IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♂♂ 1 ♀; 10.ix.2000, 1 ♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in spring fens, wet meadows and pastures, on shores of ponds and forest roads throughout the area. **General distribution:** Europe except the north, the Apennine and Balkan peninsulas. **Host plants:** *Juncus* spp. **Red List status:** –.



***Criomorpha albomarginatus* Curtis, 1833**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 3 ♂♂ 2 ♀♀; 11.ix.1999, 1 ♀; all IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 5 ♂♂ 6 ♀♀; 28.v.2005, 2 ♀♀; all IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 2 ♂♂ 1 ♀, IM. Brumov, Kloboucká street (24), 28.v.2005, 1 ♂ 2 ♀♀ 1 larva, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂; 28.v.2005, 3 ♂♂; all IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Lopeník, U Zvonice NM (63), 21.v.2005, 2 ♂♂ 2 ♀♀ 5 larvae, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 1 ♀; 21.v.2005, 1 ♂; 24.vii.2005, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Vyškovec, Pod Hřibovňou NM (70), 21.v.2005, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 2 ♀♀, PL. Suchov, Suchovské Mlýny (89), 26.v.2005, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 3 ♀♀; 26.v.2005, 4 ♂♂ 3 ♀♀; all IM. Javorník, Jazevčí NNR (96), 6.v.2000, 2 ♂♂ 3 ♀♀, IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♀, PL. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM. Javorník, Výzkum hill (103), 10.vi.1985, 1 ♀, PL. Strání, Záhumenice NM (104), 24.v.2001, 1 ♂, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in meadows, pastures, and at forest margins throughout the area, including the highest elevations. **General distribution:** European. **Host plants:** Poaceae (e.g. *Festuca rubra*, *Deschampsia cespitosa*, *Avenella flexuosa*, *Calamagrostis arundinacea*). **Red List status:** –.

***Criomorpha williamsi* China, 1939**

(CR)

(Fig. 2)

**Published records.** KMENT & MALENOVSKÝ (2008), MALENOVSKÝ & LAUTERER (2010): Javorník, Machová NR (102).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site in the south-western part of the area (a quite eutrophicated wet meadow in the Rybnický potok brook floodplain). **General distribution:** Central Europe, Great Britain, central Russia, Kazakhstan. **Host plants:** Poaceae (perhaps *Poa palustris* or *P. trivialis*). **Red List status:** Critically endangered.

**Comments.** *Criomorpha williamsi* is a sporadic species in the Czech Republic that has been recorded altogether from four isolated localities in southern Moravia: the environs of Hlohovec in the Pannonian Plain, the River Dyje valley near Vranov nad Dyjí, Sobůlky near Kyjov, and the above cited locality in the Bílé Karpaty PLA (LAUTERER 1992; MALENOVSKÝ & LAUTERER 2010).

***Delphacinus mesomelas* (Boheman, 1850)**

(NT)

**Published records.** KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂, PK; 16.vi.2006, 1 ♂ 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 ♂; 21.v.2005, 3 larvae; 24.vii.2005, 1 ♂; all IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 6 ♂♂ 8 ♀♀; 21.v.2005, 1 larva; 24.vii.2005, 3 ♂♂ 4 ♀♀ 1 larva; all IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 2 ♀♀, IM; 16.viii.2004, 1 ♀, PK; 26.v.2005, 10 larvae, IM; 27.vii.2005, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but local: restricted to dry to mesic pastures and meadows in relatively cool sites. **General distribution:** Europe, except the north and the Mediterranean region, Kazakhstan. **Host plants:** Fine-leaved *Festuca* spp. (*F. rubra* and *F. ovina* group). **Red List status:** Near-threatened.

**Comments.** In the Czech Republic, *D. mesomelas* is mostly found in highlands and submontane regions with a few records also from xerothermic dry grassland sites at lower elevations (DLABOLA 1954, LAUTERER 1980).

***Delphacodes capnodes* (Scott, 1870) (EN)**

**Material examined.** Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 10 ♀♀, PL. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded only as macropterous specimens in two sites in the south-western part of the area. **General distribution:** Europe except the north and south-west. **Host plants:** *Carex* spp. (*C. acuta*, *C. acutiformis* and *C. riparia*), *Eriophorum angustifolium*. **Red List status:** Endangered.

**Comments.** *Delphacodes capnodes* is a widespread but rarely documented species in the Czech Republic; this may be at least partly due to its cryptic way of life close to the ground. Published records from the country include fens, peatbogs and salt marshes in western, southern and central Bohemia, and western and southern Moravia (DLABOLA 1964, LAUTERER 1980, MALENOVSKÝ 2006).

***Delphacodes venosus* (Germar, 1830) (NT)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented only from two wet grassland sites in the south-western and central parts of the area; perhaps overlooked elsewhere for its cryptic way of life close to the ground. **General distribution:** Europe except the south-west. **Host plants:** Poaceae (e.g. *Deschampsia cespitosa*, *Festuca arundinacea*, *Agrostis* spp., *Molinia caerulea* agg.) and *Carex* spp. **Red List status:** Near-threatened.

**Comments.** In the Czech Republic, *Delphacodes venosus* is a widespread species at least in southern and south-western Moravia and northern Bohemia (LAUTERER 1980, MALENOVSKÝ 2006).

***Delphax crassicornis* (Panzer, 1796) (EN)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Distribution and frequency in the Bílé Karpaty PLA:** Documented only from one spring fen overgrown with reed in the south-western part of the area: sporadic. **General**

**distribution:** Palaearctic. **Host plant:** *Phragmites australis*. **Red List status:** Endangered.

**Comments.** *Delphax crassicornis* is a rarely recorded species in the Czech Republic; most previous findings come from the Pannonian part of southern Moravia (LAUTERER 1980, MALENOVSKÝ *et al.* 2011). The material published under this name from the Čertoryje NNR by MALENOVSKÝ (2001) had been partly misidentified (see *D. pulchellus*).

***Delphax pulchellus* (Curtis, 1833)**

**(CR)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79) [as *Delphax crassicornis*, misidentified].

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook valley (79), 18.vi.2000, 1 ♂, 1 larva, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from reeds in the Radějovka brook floodplain in the south-western part of the area: sporadic. **General distribution:** Europe, except the boreal north and the south-west. **Host plant:** *Phragmites australis*. **Red List status:** Critically endangered.

**Comments.** *Delphax pulchellus* is a very sporadic species in the Czech Republic: there have been only two previous records from the Pannonian part of southern Moravia (LANG 1945b, MALENOVSKÝ & LAUTERER 2010). In Germany, the species inhabits salt marshes and low-input meadows and pastures with scattered reeds and avoids flooded sites (NICKEL 2003, KUNZ *et al.* 2011).

***Dicranotropis (Dicranotropis) hamata* (Boheman, 1847)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 3 ♂♂ 3 ♀♀, PK. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂; 11.ix.1999, 1 ♂; both IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 3 ♂♂, IM; 30.vi.1999, 2 ♂♂, MH; 9.ix.1999, 2 ♂♂ 2 ♀♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂ 1 ♀, IM; 13.ix.1999, 1 ♀, IM; 1.vi.2002, 3 ♀♀, IM; 24.viii.2002, 6 ♂♂ 4 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀, IM; 11.vii.2006, 1 ♂ 2 ♀♀, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Brumov, Uhličky (14), 1.ix.2004, 4 ♂♂ 7 ♀♀ 1 larva; 5.x.2004, 2 larvae; 28.v.2005, 3 ♂♂ 6 ♀♀; all IM; 28.vii.2005, 8 ♂♂ 8 ♀♀ 22 larvae; 4.ix.2005; 3 ♀♀; all PK. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 2 ♂♂; 3.vii.1999, 1 ♀; 10.ix.1999, 1 ♂; 6.ix.2005, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 2 ♂♂, PK. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂ 1 ♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♂; 12.ix.1999, 2 ♂♂ 1 ♀; all IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀; 21.vii.2002, 1 ♂ 1 ♀; all IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 4 ♂♂ 6 ♀♀ 3 larvae, PK; 23.v.2002, 2 ♂♂, IM & PK; 20.vii.2002, 4 ♀♀ 1 larva, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♂, PL. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Strání, Obecnice hill (60), 23.v.2002, 1 ♂ 2 ♀♀, IM & PK. Strání, Dúbrava hill (62), 7.vii.1980, 1 ♂, PL. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♂, PK. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 6 ♂♂ 7 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂, IM; 19.viii.2004, 4 ♂♂ 2 ♀♀, PK; 25.ix.2004, 2 ♀♀, PK; 21.v.2005, 4 ♂♂ 1 ♀ 4 larvae, IM; 3.ix.2005, 2 ♂♂ 1 ♀, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 ♀, IM;

19.viii.2004, 2 ♂♂, PK; 21.v.2005, 1 ♂ 1 ♀ 2 larvae, IM; 8.ix.2005, 3 ♂♂ 4 ♀♀, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♀, PL; 22.v.2000, 5 ♂♂ 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 10 ♂♂ 8 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 2 ♀♀, PK. Radějov, Kútky NR (86), 2.vi.1979, 3 ♂♂ 1 ♀, PL. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♂; 13.vii.1998, 1 ♂; both IM. Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♀, IM; 16.viii.2004, 3 ♂♂ 1 ♀, PK; 26.v.2005, 4 ♂♂, IM; 27.vii.2005, 2 ♂♂ 1 ♀ 7 larvae, IM; 1.ix.2005, 14 ♂♂ 12 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 3 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 10 ♂♂ 2 ♀♀; 19.vi.2000, 4 ♀♀; 10.ix.2000, 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 6 ♀♀; 1.x.2004, 1 larva; 26.v.2005, 7 ♂♂ 1 ♀; 27.vii.2005, 7 ♂♂ 6 ♀♀ 5 larvae; 1.ix.2005, 1 ♂ 1 ♀; all IM. Javorník, Machová NR (102), 14.v.1998, 2 ♂♂, IM. Strání, Záhumenice NM (104), 24.v.2001, 10 ♂♂ 12 ♀♀, IM; 8.vi.2001, 2 ♂♂ 1 ♀, PL; 2.vii.2001, 6 ♂♂ 7 ♀♀, IM & PK; 9.viii.2001, 68 ♂♂ 59 ♀♀ 9 larvae, PK; 21.ix.2001, 4 ♂♂ 5 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various grassland habitats throughout the area. **General distribution:** Palearctic. **Host plants:** Poaceae (e.g. *Elytrigia repens*, *Dactylis glomerata*, *Holcus lanatus*, *H. mollis*, *Festuca arundinacea*). **Red List status:** –.

#### *Dicranotropis (Leimonodite) divergens* Kirschbaum, 1868

**Published records.** KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 24.viii.2002, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 21 ♂♂ 8 ♀♀; 11.vii.2006, 1 ♂; all IM. Nedašov, Jalovcová stráž NR (17), 6.ix.2005, 2 ♂♂ 1 ♀, IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 3 ♂♂ 8 ♀♀, IM; 12.vii.2006, 10 ♂♂ 2 ♀♀, IM; 16.viii.2006, 4 ♂♂ 4 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 3 ♂♂ 7 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 23 ♂♂ 13 ♀♀; 5.x.2004, 1 ♀; 28.v.2005, 3 ♂♂ 2 larvae; 28.vii.2005, 3 ♂♂ 5 ♀♀; 6.ix.2005, 14 ♂♂ 5 ♀♀; all IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♂, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 9 ♂♂ 5 ♀♀, IM; 25.ix.2004, 3 ♂♂, IM; 3.ix.2005, 13 ♂♂ 22 ♀♀, PK. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Vyškovec, Vyškovecké Bošačky (69), 24.vii.2005, 1 ♂; 3.ix.2005, 3 ♀♀; all PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 2 ♂♂ 1 ♀; 8.ix.2005, 2 ♂♂ 3 ♀♀; all IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♂; 20.vii.2001, 1 ♂ 1 ♀; all IM. Strání, Javorina NNR (106), 4.vii.2001, 29 ♂♂ 19 ♀♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Common in meadows and pastures in the relatively cool north-eastern and central parts of the area, absent from the south-west except the meadow on the top of the Mt Velká Javořina. **General distribution:** Mountain regions of Great Britain, central and south-eastern Europe, Caucasus, Kazakhstan. **Host plant:** *Festuca rubra*. **Red List status:** –.

#### *Ditropis pteridis* (Spinola, 1839)

**Material examined.** Bylnice, Bylničky (26), 24.vi.1982, 9 ♂♂ 10 ♀♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented from only one locality in the north-eastern part of the area. **General distribution:** European. **Host plant:** *Pteridium aquilinum*. **Red List status:** –.

**Comments.** *Ditropis pteridis* is an acidophilous species occurring locally only in some regions of the Czech Republic, namely northern and perhaps also southern Bohemia and the environs of Bzenec in south-eastern Moravia (LAUTERER 1980, MALENOVSKÝ 2006).

***Ditropsis flavipes* (Signoret, 1865)**

(VU)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). MALENOVSKÝ & LAUTERER (2010): Bylnice, Na Stráži (25); Hluk, Babí hora NM (36); Blatnička, Milejovské louky meadows (39); Horní Němčí, Drahy NR (48); Strání, Obecnice hill (60); Lopeník, Mikulčín vrch hill (65); Vyskovec, Ve Vlčí NR (71); Radějov, Lučina (76); Kněždub, Čertoryje NNR (77, 79); Malá Vrbka, Výzkum hill (80); Velká nad Veličkou, Zahrady pod Hájem NNR (88); Suchov, Trnovský Mlýn (90); Velká nad Veličkou, towards Javorník (91); Javorník, SW slopes of Háj hill (93); Javorník, Nad Vápenkou NM (94); Javorník, Jazevčí NNR (96); Javorník, Výzkum hill (103); Strání, Záhumenice NM (104).

**Additional material examined.** Brumov, Uhličky (14), 28.v.2005, 1 ♂, IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, 2 ♂♂, IM; 13.viii.2001, 11 ♂♂ 10 ♀♀, PK; 21.ix.2001, 2 ♂♂, PK; 21.ix.2001, 1 ♀, PK; 21.vii.2002, 9 ♂♂ 6 ♀♀ 3 larvae, IM; 10.ix.2002, 3 ♂♂, IM; 22.v.–22.vi.2003, 1 ♂ 4 ♀♀, PT, KR; 24.vii.–22.viii.2003, 1 larva, PT, KR; 22.viii.–27.ix.2003, 1 ♀, PT, KR. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Radějov, Žerotín NM (73), 9.viii.2002, 1 ♂ 1 ♀, PK; 19.iv.2012, 1 larva, IM. Kněždub, Čertoryje NNR (77, 79), 22.v.2000, 1 ♀, PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM; 20.viii.2002, 2 ♂♂, PK. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL. Suchov, Suchovské Mlýny (89), 16.viii.2004, 1 ♀, PK; 1.ix.2005, 7 ♂♂ 1 ♀, IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in dry grassland sites and warm species-rich meadows throughout the area; quite common in the south-western part, more local and rare in the north-east. **General distribution:** Europe (except the north), Asia Minor, southern Siberia, Kazakhstan, Mongolia. **Host plant:** *Bromus erectus*. **Red List status:** Vulnerable.

**Comments.** Most records of *Ditropsis flavipes* in the Czech Republic come from south-eastern Moravia; the species is, however, also known from some localities in northern and southern Bohemia (MALENOVSKÝ & LAUTERER 2010).

***Euconomelus lepidus* (Boheman, 1847)**

(EN)

**Material examined.** Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 5 ♂♂ 2 ♀♀; 8.viii.2007, 2 ♂♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic and extremely local: recorded from a small stand of *Eleocharis palustris* subsp. *palustris* in only one site in the central part of the area (a wet depression in an abandoned quarry). **General distribution:** Palaearctic except the south-west. **Host plant:** *Eleocharis palustris*. **Red List status:** Endangered.

**Comments.** *Euconomelus lepidus* is probably a quite rare and local species in the Czech Republic; the few available records are from western and central Bohemia (Soos NNR near Františkovy Lázně and Čelákovice – DLABOLA 1954 and unpublished records from the Moravian Museum, Brno) and southern Moravia (Mohelno, Valeč, Brno, and Milovice – LAUTERER 1980).

***Euides alpina* (Wagner, 1948)**

(CR)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79) [as *Euides basilinea*, misidentified].

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook valley (79), 18.vi.2000, 2 ♀♀ 1 larva, IM & PK. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in only two small sites in the south-western part of the area: in the floodplain of the Radějovka brook and in a spring fen in an abandoned loampit. **General distribution:** Central Europe, Caucasus, central Asia. **Host plant:** *Phragmites australis*. **Red List status:** Critically endangered.

**Comments.** In central Europe, *E. alpina* is only known from a few records but may be under-recorded (HOLZINGER *et al.* 2003). In the Czech Republic, its distribution appears largely restricted to lowlands of southern Moravia: the only two previously known localities include the Allahovy rybníky ponds between Charvátská Nová Ves and Hlohovec in the Dolnomoravský úval Lowland, and Litobratčice in the Dyjsko-svratecký úval Lowland (LAUTERER 1980, 1983).

***Euides basilinea* (Germar, 1821)**

**(NT)**

**Material examined.** Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from only one site in the south-western part of the area: a spring fen overgrown with reed. **General distribution:** Europe except the Iberian and Appenine peninsulas, Kazakhstan. **Host plant:** *Phragmites australis*. **Red List status:** Near-threatened.

**Comments.** Based on material in museum collections, *Euides basilinea* is widely distributed in the Czech Republic, although quite local (published data are scarce, e.g. MALENOVSKÝ 2006). The specimens published under this name from the Čertoryje NNR by MALENOVSKÝ (2001) had been misidentified and belong to *E. alpina* (see above).

***Eurybregma nigrolineata* Scott, 1875**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 1 larva, IM. Lopeník, Lopenické sedlo (64), 21.v.2005, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 18.v.2002, 1 ♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂, PL. Javorník, Jazevčí NNR (96), 6.v.2000, 7 ♂♂ 12 ♀♀; 19.vi.2000, 1 ♀; all IM. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♀, PL. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite uncommon; largely concentrated along waysides and in ruderal or eutrophicated grassland. **General distribution:** Eurosiberian. **Host plants:** Tall-growing Poaceae, particularly *Elytrigia repens*. **Red List status:** –.

***Eurysella brunnea* (Melichar, 1896)**

**(VU)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂, IM. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂, PL. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread throughout the area but rare and local or under-recorded due to an epigeic way of life; in meadows in warm and dry sites. **General distribution:** Europe except the north and south-west. **Host plant:** *Brachypodium pinnatum*. **Red List status:** Vulnerable.

**Comments.** Most Czech records of *E. brunnea* are from undergrowth of open xerothermophilous woodland in southern Moravia (LAUTERER 1980) but the species is present also in dry grasslands of the České středohoří Hills in northern Bohemia (PREISLER & LAUTERER 2003).

#### *Eurysula lurida* (Fieber, 1866)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♀♀, PB. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂ 2 ♀♀, PL. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 26.v.2005, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread throughout the area but quite rare and local or under-recorded due to an epigeic way of life; in neglected grassland and forest clearings. **General distribution:** Palearctic. **Host plants:** *Calamagrostis epigejos*, *C. canescens*. **Red List status:** –.

#### *Florodelphax leptosoma* (Flor, 1861)

(NT)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 1 ♂, IM; 25.vi.2002, 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 5.x.2004, 2 ♀♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂, IM; 10.ix.2002, 3 ♂♂ 4 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 6 ♂♂ 6 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 7 ♂♂ 2 ♀♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♀; 10.ix.2000, 1 ♀; both IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in spring fens throughout the area. **General distribution:** Europe except the north, Asia Minor. **Host plants:** *Juncus* spp. **Red List status:** Near-threatened.

#### *Hyledelphax elegantula* (Boheman, 1847)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 17.viii.2006, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♂ 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 1.ix.2004, 1 ♂; 28.v.2005, 4 ♂♂ 1 ♀; 6.ix.2005, 1 ♂; all IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 5 ♂♂, IM. Lopeník, Lopenické sedlo (64), 21.v.2005, 1 ♀, IM. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 1 ♂, PK. Javorník, Jazevčí NNR (96), 6.v.2000, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; mostly found in shaded grassland under solitary trees and shrubs scattered in meadows.

**General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Avenella flexuosa*, *Brachypodium pinnatum*, *Calamagrostis arundinacea*, *Molinia caerulea* agg., *Holcus mollis*). **Red List status:** –.

***Jassidaeus lugubris* (Signoret, 1865)**

**(VU)**

**Material examined.** . Kněždub, Čertoryje NNR, Járkovec brook valley (77), 10.ix.2008, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Only one macropterous specimen was recorded at a meadow margin in the south-western part of the area.

**General distribution:** Southern Europe, Kazakhstan. **Host plants:** Fine-leaved *Festuca* spp. **Red List status:** Vulnerable.

**Comments.** *Jassidaeus lugubris* is a characteristic species for narrow-leaved dry grasslands, usually on rocky hillsides. It is locally common e.g. in south-western Moravia, the Pavlovské vrchy Hills, the environs of Brno, and in central Bohemia (e.g. DLABOLA 1954, LAUTERER 1957, MALENOVSKÝ 2006) but its presence in the Bílé Karpaty PLA appears only accidental.

***Javesella discolor* (Boheman, 1847)**

**Material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 2 ♀♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 4 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to the cool, north-easternmost tip of the area, apparently absent in the south-west; in shaded grassland at forest margins. **General distribution:** Holarctic. **Host plants:** Poaceae (e.g. *Avenella flexuosa*, *Deschampsia cespitosa*, *Calamagrostis canescens*). **Red List status:** –.

***Javesella dubia* (Kirschbaum, 1868)**

**Published records.** LANG (1945a): Březová, Kalábová NM (58) [cited as “*Liburnia forcipata* Boh.”, misidentified]. MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♂; 10.ix.1999, 1 ♂ 1 ♀; all IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♂♂ 4 ♀♀, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 2 ♂♂ 2 ♀♀, IM; 17.viii.2006, 2 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 2 ♂♂, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂; 5.x.2004, 1 larva; 6.ix.2005, 3 ♂♂ 1 ♀; all IM. Korytná, Březi (46), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 2 ♀♀, IM. Horní Němčí, Lesná hill (51), 15.v.1998, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, several ♂♂ ♀♀, IM. Lopeník, Lopenické sedlo (64), 21.v.2005, 1 ♂, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 1 ♀; 8.viii.2007, 4 ♂♂ 1 ♀; 22.ix.2007, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 3 ♀♀; 8.viii.2007, 22 ♂♂ 18 ♀♀; 22.ix.2007, 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 21.v.2005, 1 ♂, IM. Vyškovec, Pod Hřibovňou NM (70), 25.ix.2004, 6 ♂♂ 3 ♀♀, PK; 21.v.2005, 1 ♂ 2 ♀♀; 8.ix.2005, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL. Javorník, village (92), 8.viii.2001, 7 ♂♂ 11 ♀♀, PK. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 4 ♂♂ 2 ♀♀, IM. Strání, Záhumenice NM (104), 16.v.1998, 1 ♂, IM.



**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in spring fens, wet depressions in meadows and pastures, wet ruderal sites, on shores of ponds, and in forest clearings throughout the area. **General distribution:** Palaearctic. **Host plants:** Poaceae (e.g. *Agrostis stolonifera*, *A. capillaris*). **Red List status:** –.

#### *Javesella forcipata* (Boheman, 1847)

**Material examined.** Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 4 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♂, IM; 1.vii.1999, 2 ♂♂ 1 ♀, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but probably more common only in its north-eastern part and local and rare in the south-west; mostly found in spring fens and wet depressions in meadows and pastures. **General distribution:** Palaearctic except the south. **Host plants:** Poaceae (e.g. *Deschampsia cespitosa*, *Holcus mollis*). **Red List status:** –.

#### *Javesella obscurella* (Boheman, 1847)

**Published records.** LANG (1945a): Březová, Kalábová NM (58).

**Additional material examined.** Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 5 ♂♂, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 ♂ 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widely distributed but rare and local; in spring fens disturbed by cattle. **General distribution:** Holarctic. **Host plants:** Poaceae (e.g. *Alopecurus geniculatus* and *Glyceria fluitans*). **Red List status:** –.

#### *Javesella pellucida* (Fabricius, 1794)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♂, PK. Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, U Rybníků (6), 22.v.1999, 2 ♂♂ 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 5 ♂♂ 5 ♀♀; 2.vii.1999, 1 ♂; 11.ix.1999, 2 ♀♀, all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 4 ♂♂ 2 ♀♀; 9.ix.1999, 1 ♀; all IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM; 1.vi.2002, 1 ♂ 2 ♀♀, IM; 17.viii.2006, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 1 ♀, IM; 30.vi.1999, 1 ♂, PK. Brumov, Uhličky (14), 28.vii.2005, 2 ♂♂, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 2 ♂♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 7 ♂♂ 2 ♀♀, IM. Brumov, Kloboucká street (24), 28.vii.2005, 2 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Bylnice, railway station environs (27), 21.v.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 3 ♂♂ 3 ♀♀, PB. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♂ 1 ♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♀, PL. Korytná, Březi (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 15.v.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♀, IM; 13.viii.2001, 1 ♂ 1 ♀, PK; 21.vii.2002, 27 ♂♂ 23 ♀♀, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 6 ♂♂ 4 ♀♀, PK; 20.vii.2002, 42 ♂♂ 55 ♀♀, IM; 10.ix.2002, 2 ♀♀, IM; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Horní

Němčí, Lesná hill (51), 15.v.1998, 1 ♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, several ♂♂ ♀♀; 10.vii.1998, 1 ♀; all IM. Strání, Obecnice hill (60), 20.vii.2002, 6 ♂♂, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♀, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♀; 21.v.2005, 14 ♂♂ 11 ♀♀; 24.vii.2005, 7 ♂♂ 2 ♀♀; all IM. Lopeník, Mikulčin vrch hill (65), 25.ix.2004, 1 ♀; 24.vii.2005, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 3 ♂♂ 5 ♀♀; 8.viii.2007, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 11 ♂♂ 15 ♀♀; 8.viii.2007, 1 ♀; all IM. Výškovec, Pod Hřibovňou NM (70), 19.viii.2004, 3 ♀♀, PK; 21.v.2005, 1 ♂ 5 ♀♀ 1 larva, IM. Výškovec, Ve Vlčí NR (71), 22.v.2005, 2 ♂♂ 1 ♀, IM. Radějov, Žerotín NM (73), 19.iv.2012, 7 ♂♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀; 28.vii.2000, 1 ♀; both IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀; 14.vii.1998, 1 ♂; all IM. Lipov, Hájová hill (78), 19.iv.2012, 7 ♂♂ 5 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 19 ♂♂ 14 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 5 ♂♂ 3 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL; 11.vii.1998, 13 ♂♂ 1 ♀, IM; 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, several ♂♂ ♀♀; 13.vii.1998, 4 ♂♂ 6 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 18.viii.2004, 1 ♂ 3 ♀♀, PK; 26.v.2005, 1 ♀, IM; 27.vii.2005, 3 ♀♀, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 2 ♂♂ 2 ♀♀, PK; 26.v.2005, 1 ♂, IM; 27.vii.2005, 2 ♂♂ 2 ♀♀, IM; 1.ix.2005, 1 ♀, IM. Javorník, village (92), 8.viii.2001, 3 ♂♂ 1 ♀, PK. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♂, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 10 ♂♂ 5 ♀♀; 19.vi.2000, 3 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 1 ♂ 1 ♀; 27.vii.2005, 5 ♂♂ 8 ♀♀; 1.ix.2005, 1 ♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 12 ♂♂ 4 ♀♀, IM. Javorník, Machová NR (102), 14.v.1998, many ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♀, IM; 9.viii.2001, 5 ♂♂ 5 ♀♀, PK. Strání, Javorina NNR (106), 12.vii.1998, 3 ♂♂; 4.vii.2001, 1 ♂ 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; eurytopic in various grassland, wetland and ruderal habitats. **General distribution:** Holarctic. **Host plants:** Various Poaceae, Cyperaceae and Juncaceae. **Red List status:** —.

### *Kelisia confusa* Linnavuori, 1957

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79) [cited as *Kelisia pallidula*, misidentified]. MALENOVSKÝ & LAUTERER (2010): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Kněždub, Čertoryje NNR, Radějovka brook valley (79); Radějov, Kútky NR (86).

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to the south-western part of the area; rare and local in quite eutrophicated spring fens and wet depressions in brook floodplains. **General distribution:** Europe except the north and south-west. **Host plants:** *Carex acutiformis* and *C. elata*. **Red List status:** Not evaluated.

**Comments.** In the Czech Republic, *K. confusa* has been recorded to date only from southern Moravia (MALENOVSKÝ & LAUTERER 2010).

### *Kelisia guttula* (Germar, 1818)

(VU)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 3 ♂♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♂♂ 4 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 2 ♂♂ 2 ♀♀, IM; 25.vi.2002, 1 ♀, PK. Bojkovice (20), 1943, 1 ♂ 2 ♀♀, VL. Brumov, Kloboucká street (24), 5.x.2004, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 2 ♀♀, IM. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂ 3 ♀♀, IM. Horní Němčí,

Drahy NR (48), 30.vi.2001, 8 ♂♂ 6 ♀♀, IM & PK; 13.viii.2001, 2 ♀♀, PK; 21.ix.2001, 4 ♂♂ 8 ♀♀, PK; 21.vii.2002, 1 ♂ 2 ♀♀, IM; 10.ix.2002, 17 ♂♂ 17 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 7 ♂♂ 7 ♀♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 22.vi.2008, 1 ♂, KD & KF. Radějov, Kútky NR (86), 8.ix.1998, 2 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♂, PK. Suchov, Suchovské Mlýny (89), 1.x.2004, 5 ♂♂ 2 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 2 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♀; 23.ix.2001, 3 ♂♂; 7.ix.2001, 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area; in spring fens and dry or intermittently wet grassland. **General distribution:** Eurosiberian. **Host plant:** *Carex flacca*. **Red List status:** Vulnerable.

**Comments.** *Kelisia guttula* is generally a quite local species in the Czech Republic, largely restricted to regions with heavy calcareous soils. Besides the Bílé Karpaty PLA, it is also known e.g. from the Elbe River lowland in central Bohemia, Jičín environs in north-eastern Bohemia, and the Hostýnské vrchy Hills and the Moravskoslezské Beskydy Mts. in eastern Moravia (DLABOLA 1954 and unpublished data from the Moravian Museum, Brno and Muséum national d'Histoire naturelle, Paris).

***Kelisia guttulifera* (Kirschbaum, 1868)**

**(EN)**

**Material examined.** Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂ 3 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic and local: found only at two small sites in the north-eastern and central parts of the area; in both cases associated with spring fens disturbed by cattle. **General distribution:** Europe, except the north. **Host plants:** *Carex* spp. (*C. sylvatica*, *C. remota*, *C. elongata*, *C. vulpina*, *C. distans*, and *C. paniculata*). **Red List status:** Endangered.

**Comments.** *Kelisia guttulifera* is a poorly documented species in the Czech Republic; besides the above cited records from the Bílé Karpaty PLA, the only confirmed findings from the country are from the Hostýnské vrchy Hills and the Svitava river valley near Brno (DLABOLA 1956 and unpublished material from the Moravian Museum, Brno).

***Kelisia irregulata* Haupt, 1935**

**(VU)**

**(Fig. 3)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 3 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 3 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 3 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 10 ♂♂ 11 ♀♀; 1.ix.2004, 2 ♂♂; 6.ix.2005, 1 ♂ 1 ♀; all IM; 25.vi.2002, 2 ♂♂ 3 ♀♀; 16.viii.2006, 2 ♂♂ 2 ♀♀; all PK. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂ 2 ♀♀, PK; 21.ix.2001, 1 ♂, IM; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 2 ♂♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 4 ♀♀, IM; 3.ix.2005, 1 ♀, PK. Kněždub, Kněždubský háj forest (75), 17.viii.2000, 1 ♂ 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 1 ♂, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 1.x.2004,

1 ♀; 1.ix.2005, 1 ♀; both IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 3 ♂♂ 5 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in calcareous spring fens and dry to intermittently wet grassland throughout the area. **General distribution:** Central Europe. **Host plant:** *Carex flacca*. **Red List status:** Vulnerable.

**Comments.** *Kelisia irregulata* has not been recorded in the Czech Republic outside of the Bílé Karpaty PLA yet.

### *Kelisia monoceros* Ribaut, 1934

(EN)

**Published records.** MALENOVSKÝ (2001), MALENOVSKÝ & LAUTERER (2010): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from only one small site in the south-western part of the area: a disturbed wet depression in the Radějovka brook floodplain in the Čertoryje NNR. **General distribution:** European. **Host plants:** *Carex* spp. (*C. muricata* agg., *C. otrubae*, and *C. sempervirens*). **Red List status:** Endangered.

**Comments.** *Kelisia monoceros* is quite widely distributed in the Czech Republic, occurring locally e.g. in disturbed wet meadows, salt marshes, dry grassland and open woodland in southern and central Moravia and central and northern Bohemia (MALENOVSKÝ & LAUTERER 2010).

### *Kelisia pallidula* (Boheman, 1847)

(VU)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 7 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂ 3 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 2 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 7 ♂♂ 7 ♀♀; 1.ix.2004, 1 ♀; 6.ix.2005, 2 ♂♂ 3 ♀♀; all IM; 25.vi.2002, 1 ♂; 16.viii.2006, 3 ♂♂ 1 ♀; all PK. Horní Němčí, Drahy NR (48), 13.viii.2001, 2 ♂♂ 1 ♀; 21.ix.2001, 1 larva; both PK; 10.ix.2002, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 15 ♂♂ 5 ♀♀, IM; 3.ix.2005, 2 ♂♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; locally common in calcareous spring fens. **General distribution:** Eurosiberian. **Host plant:** *Carex panicea*. **Red List status:** Vulnerable.

**Comments.** The distribution of *K. pallidula* in the Czech Republic has been insufficiently documented in literature so far; based on unpublished museum material and recent field surveys, the species appears quite widespread even if local, e.g. in the Krkonoše, Jizerské hory and Jeseníky Mts., the Bohemian-Moravian Highlands as well as the lowlands of the Elbe River in central Bohemia and the Třeboň basin in southern Bohemia.

***Kelisia praecox* Haupt, 1935**

(VU)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Valašské Klobouky, Javorůvky NR (7); Valašské Klobouky, Brumovka brook valley (9); Valašské Klobouky, Bílé potoky NR (13); Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28); Sidonie, Vlárský průsmyk pass (33); Suchov, Trnovský Mlýn (90); Javorník, Jazevčí NNR (96); Javorník, Machová NR (102).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 15 ♂♂ 13 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 3 ♀♀; 9.ix.1999, 1 ♂ 6 ♀♀; all IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 1 ♀, IM. Bylnice, railway station environs (27), 11.ix.1999, 4 ♂♂ 1 ♀, IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♂, LP. Horní Němčí, Drahy NR (48), 21.ix.2001, 1 ♂, PK; 10.ix.2002, 1 ♂ 3 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 4.x.2002, 2 ♂♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; locally common in spring fens and intermittently wet places in meadows. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. brizoides* and *C. caryophylla* or *C. praecox*). **Red List status:** Vulnerable.

**Comments.** *Kelisia praecox* is a local but quite frequent species in south-eastern Moravia; it appears widespread in Bohemia as well (MALENOVSKÝ & LAUTERER 2010).

***Kelisia sima* Ribaut, 1934**

(EN)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Valašské Klobouky, Javorůvky NR (7).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one calcareous spring fen in the north-easternmost part of the area. **General distribution:** European. **Host plant:** *Carex flava*. **Red List status:** Endangered.

**Comments.** Despite a common occurrence of its host plant in the Bílé Karpaty PLA, *K. sima* appears to be extremely rare in the region. Most other records from the Czech Republic are from peaty soils in the Bohemian-Moravian Highlands, Šumava Mts. and the environs of Česká Lípa in northern Bohemia (MALENOVSKÝ & LAUTERER 2010).

***Kelisia vittipennis* (J. Sahlberg, 1868)**

(VU)

**Published records.** LANG (1945a): Březová, Kalábová NM (58) [cited as "*Kelisia guttula* Germ.", partly misidentified]. MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 9 ♂♂ 16 ♀♀, IM; 24.viii.2002, 5 ♂♂ 14 ♀♀, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 3 ♂♂ 7 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 10 ♂♂ 30 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 6 ♂♂ 18 ♀♀; all IM; 25.vi.2002, 9 ♂♂ 12 ♀♀; 16.viii.2006, 3 ♂♂ 2 ♀♀; all PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 1 ♂ 1 ♀; 6.ix.2005, 1 ♀; all IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 3 ♂♂ 3 ♀♀; 10.ix.2002, 10 ♂♂ 7 ♀♀; all IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂ 7 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 1 ♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; locally common in calcareous spring fens with stands of *Eriophorum angustifolium* and *E. latifolium*. **General distribution:** Eurosiberian. **Host plants:** *Eriophorum* spp. **Red List status:** Vulnerable.

**Comments.** *Kelisia vittipennis* is a stenotopic species of raised and intermediate bogs, peaty meadows and calcareous spring fens. It is widespread and often locally abundant in the Czech Republic, particularly in mountains and highlands, but invariably confined to habitats generally valuable from a nature conservationist viewpoint.

***Kosswigianella exigua* (Boheman, 1847)**

(NT)

**Material examined.** Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♀, IM. Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♀, IM. Radějov, Žerotín NM (73), 19.iv.2012, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 27.vi.2002, 2 ♂♂, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 1 ♂ 1 ♀, PK; 27.vii.2005, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from a few records in the central and south-western part of the area; rare and local on low grass in pastures and on xerothermic hillsides. **General distribution:** European. **Host plants:** Fine-leaved *Festuca* spp. (e.g. *F. ovina*). **Red List status:** Near-threatened.

***Laodelphax striatella* (Fallén, 1826)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂ 1 ♀; 13.ix.1999, LT, 1 ♂; all IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♀; 11.ix.1999, 3 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 3 ♀♀; 9.ix.1999, 1 ♂ 5 ♀♀; all IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂ 1 ♀, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂ 10 ♀♀, IM; 24.viii.2002, 8 ♂♂ 1 ♀, PK; 17.viii.2006, 1 ♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂; 11.vii.2006, 4 ♀♀; all IM. Brumov, Uhličky (14), 1.ix.2004, 4 ♂♂ 1 ♀, IM; 28.vii.2005, 4 ♀♀, PK. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 2 ♂♂; 1.ix.2004, 2 ♂♂ 2 ♀♀; 6.ix.2005, 1 ♂ 1 ♀; all IM; 16.viii.2006, 2 ♂♂ 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♂♂ 2 ♀♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♂ 3 ♀♀, IM; 28.vii.2005, 2 ♀♀, PK. Bylnice, railway station environs (27), 11.ix.1999, 5 ♂♂ 5 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂ 2 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♀; 1.ix.2004, 2 ♂♂ 10 ♀♀; 5.x.2004, 1 ♂ 1 ♀; 28.vii.2005, 2 ♀♀; 6.ix.2005, 2 ♀♀; all IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♀, LP. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 4 ♂♂ 6 ♀♀, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♀, PK; 21.vii.2002, 3 ♂♂ 3 ♀♀, IM; 10.ix.2002, 3 ♂♂, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 5 ♂♂ 9 ♀♀ 2 larvae, PK; 21.ix.2001, 1 ♂ 4 ♀♀, PK; 20.vii.2002, 17 ♂♂ 15 ♀♀, IM; 10.ix.2002, 24 ♂♂ 23 ♀♀, IM. Horní Němčí, Lesná hill (51), 15.v.1998, 1 ♂, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 3 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂ 1 ♀; 10.ix.1998, 1 ♀; all IM. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 8 ♂♂ 3 ♀♀, IM; 20.vii.2002, 7 ♂♂ 5 ♀♀, IM; 12.ix.2002, 2 ♂♂, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 3 ♀♀, PK; 25.ix.2004, 4 ♂♂ 1 ♀, IM; 21.v.2005, 2 ♂♂, IM; 24.vii.2005, 4 ♂♂ 1 ♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 4 ♀♀, IM; 21.v.2005, 1 ♂ 4 ♀♀, IM; 24.vii.2005, 8 ♂♂ 1 ♀, IM; 3.ix.2005, 2 ♂♂, PK. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂ 1 ♀; 24.vii.2005, 1 ♂ 1 ♀, all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 1 ♂ 1 ♀; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 6 ♂♂ 2 ♀♀; 8.viii.2007, 3 ♂♂ 6 ♀♀; all IM. Výškovec, Výškovecké Bošačky (69), 19.viii.2004, 2 ♂♂ 6 ♀♀, PK; 25.ix.2004, 1 ♂; 24.vii.2005, 2 ♂♂; 3.ix.2005, 2 ♂♂ 1 ♀; all PK. Výškovec, Pod Hribovňou NM (70), 19.viii.2004, 1 ♀, PK; 25.ix.2004, 3 ♀♀, PK; 21.v.2005, 1 ♂ 2 ♀♀; 8.ix.2005, 4 ♀♀, all IM. Výškovec, Ve Vlčí NR (71), 22.v.2005, 1 ♂ 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♂♂, IM; 9.viii.2002, 3 ♀♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀; 28.vii.2000, 1 ♂; all IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Lipov, Hájová hill (78), 19.iv.2012, 1 ♂,

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂ 1 ♀; 27.vii.2000, 18 ♂♂ 11 ♀♀; all IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♀; 20.ix.2001, 1 ♀; both IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂ 1 ♀, IM; 20.viii.2002, 1 ♀, PK. Radějov, Kútky NR (86), 8.ix.1998, 3 ♀♀, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♀; 13.vii.1998, 1 ♂; 9.–10.ix.2000, 1 ♂ 1 ♀; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 10 ♂♂ 7 ♀♀, PK; 26.v.2005, 1 ♂ 1 ♀, IM; 27.vii.2005, 2 ♂♂ 7 ♀♀, IM; 1.ix.2005, 2 ♀♀, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 4 ♂♂ 3 ♀♀, PK; 1.x.2004, 1 ♂, IM; 27.vii.2005, 3 ♀♀, IM; 1.ix.2005, 3 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♀; 19.vi.2000, 1 ♂ 2 ♀♀; 10.ix.2000, 1 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 16 ♂♂ 18 ♀♀; 1.x.2004, 1 ♀; 27.vii.2005, 2 ♀♀; 1.ix.2005, 7 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀; 9.ix.1998, 1 ♂ 1 ♀; all IM. Strání, Záhumenice NM (104), 9.viii.2001, 5 ♀♀, PK; 21.ix.2001, 2 ♂♂ 4 ♀♀, IM. Strání, Javorina NNR (106), 12.vii.1998, 3 ♂♂ 1 ♀; 4.vii.2001, 2 ♂♂ 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area from the lowest to the highest elevations; common in various open grassland habitats including ruderal sites. **General distribution:** Palaearctic and Oriental. **Host plants:** Various Poaceae and perhaps also Cyperaceae and Juncaceae. **Red List status:** –.

#### *Megadelphax sordidula* (Stål, 1853)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Strání, Záhumenice NM (104).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♀, PK. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 7 ♂♂ 1 ♀, IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 2 ♂♂; 10.ix.1999, 1 ♂ 3 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 10 ♂♂ 1 ♀, IM; 30.vi.1999, 1 ♀, MH; 9.ix.1999, 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 2 ♂♂ 2 ♀♀, IM; 1.vi.2002, 2 ♂♂ 4 ♀♀, IM; 24.viii.2002, 1 ♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♂, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Brumov, Uhličky (14), 28.v.2005, 1 ♂ 2 ♀♀, IM; 28.vii.2005, 2 ♂♂ 1 larva; 4.ix.2005, 1 ♂ 1 ♀; all PK. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♂ 1 ♀; 3.vii.1999, 1 ♂; 1.ix.2004, 1 ♂; 28.v.2005, 1 ♂; 28.vii.2005, 1 ♂ 1 ♀ 2 larvae; 6.ix.2005, 3 ♂♂ 2 ♀♀; all IM; 16.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♀♀, IM; 16.viii.2006, 4 ♂♂ 2 ♀♀, PK. Nedašov, Kaňur hill and Hrušová dolina valley (19), 20.v.1999, 3 ♂♂ 1 ♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 2 ♂♂, IM; 28.vii.2005, 1 ♂ 1 larva, PK. Bylnice, Na Stráži (25), 16.vi.2006, 8 ♂♂, IM; 11.vii.2006, 1 ♂, IM; 18.viii.2006, 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♂; 12.ix.1999, 1 ♂ 2 ♀♀; all IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, many ♂♂ ♀♀; 16.viii.2009, 6 ♂♂ 6 ♀♀; all PB. Horní Němčí, Drahy NR (48), 30.vi.2001, 4 ♂♂ 2 ♀♀, IM & PK; 13.viii.2001, 12 ♂♂ 20 ♀♀ 1 larva, PK; 21.ix.2001, 2 ♂♂ 2 ♀♀, PK; 23.v.2002, 5 ♂♂ 15 ♀♀, IM & PK; 21.vii.2002, 23 ♂♂ 20 ♀♀ 121 larvae, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♂, IM; 13.viii.2001, 3 ♀♀, PK; 23.v.2002, 1 ♂ 1 ♀, IM & PK; 20.vii.2002, 21 ♀♀ 11 larvae, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Strání, Obecnice hill (60), 24.v.2001, 1 ♂ 2 ♀♀, IM; 23.v.2002, 1 ♂ 3 ♀♀, IM; 20.vii.2002, 3 larvae, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 2 ♀♀, IM; 25.ix.2004, 6 ♂♂ 1 ♀, IM; 16.iv.–20.v.2005, 1 larva, PT, KR; 24.vii.2005, 1 larva, IM; 3.ix.2005, 4 ♂♂, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂ 2 ♀♀, IM; 25.ix.2004, 1 ♀, IM; 21.v.2005, 1 ♂ 3 larvae, IM; 3.ix.2005, 1 ♂, PK. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 3 ♂♂ 2 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 3 ♀♀, PK; 25.ix.2004, 1 ♂, PK; 21.v.2005, 1 ♂ 9 ♀♀, IM; 24.vii.2005, 2 larvae, PK; 3.ix.2005, 3 ♂♂ 4 ♀♀, PK. Vyškovec, Pod Hřibovnou NM (70), 28.vi.2004, 1 ♂ 3 ♀♀, IM; 19.viii.2004, 5 ♂♂ 10 ♀♀ 6 larvae, PK; 25.ix.2004, 1 ♀, PK; 21.v.2005, 1 ♂ 1 ♀, IM; 8.ix.2005, 2 ♀♀, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 3 ♀♀, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Radějov, Žerotín NM (73), 9.viii.2002, 1 ♀, PK; 19.iv.2012, 2 larvae, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 3 ♂♂ 3 ♀♀, PL; 22.v.2000, 3 ♀♀, PK. Lipov, Hájová hill (78), 19.iv.2012, 2 larvae, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 35 ♂♂ 50

♀♀, IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 3 ♂♂ 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 2 ♂♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, many ♂♂ ♀♀, IM; 18.viii.2000, 1 ♂ 1 ♀, PK. Suchov, Suchovské Mlýny (89), 16.viii.2004, 13 ♂♂ 13 ♀♀ 2 larvae, PK; 26.v.2005, 13 ♂♂ 18 ♀♀, IM; 27.vii.2005, 18 ♂♂ 12 ♀♀ 25 larvae, IM; 1.ix.2005, 3 ♂♂ 4 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 1 ♀, IM; 16.viii.2004, 5 ♂♂ 5 ♀♀, PK; 26.v.2005, 39 ♂♂ 71 ♀♀ 3 larvae, IM; 27.vii.2005, 19 ♂♂ 13 ♀♀ 51 larva, IM; 1.ix.2005, 29 ♂♂ 30 ♀♀ 5 larvae, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 3 ♂♂ 2 ♀♀ 2 larvae, PL. Javorník, Nad Vápenkou NM (94), 6.v.2000, 1 ♂, IM. Javorník, village (92), 8.viii.2001, 1 ♂ 1 ♀, PK. Javorník, loampit W of village (95), 24.v.2002, 4 ♂♂ 5 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 11 ♂♂ 4 ♀♀; 19.vi.2000, 3 ♂♂ 9 ♀♀; 10.ix.2000, 1 ♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 2 ♂♂; 26.v.2005, 13 ♂♂ 10 ♀♀; 27.vii.2005, 6 ♂♂ 2 ♀♀ 4 larvae; 1.ix.2005, 1 ♂ 2 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Javorník, Machová NR (102), 14.v.1998, many ♂♂ ♀♀, IM; 14.vi.2010, 1 ♀, MT, JM & PC. Strání, Záhumenice NM (104), 24.v.2001, 192 ♂♂ 191 ♀♀ 36 larvae, IM; 8.vi.2001, 2 ♀♀, PL; 2.vii.2001, 12 ♂♂ 16 ♀♀, PK; 9.viii.2001, 230 ♂♂ 218 ♀♀ 131 larvae, PK; 21.ix.2001, 11 ♂♂ 7 ♀♀ 10 larvae, IM. Strání, Nová hora NR (105), 16.v.1998, many ♂♂ ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in meadows, pastures, orchards and along waysides. **General distribution:** Eurosiberian. **Host plant:** *Arrhenatherum elatius*. **Red List status:** –.

#### *Megamelodes quadrimaculatus* (Signoret, 1865) (EN)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 2 ♂♂ 1 ♀, IM; 2.vii.1999, 1 ♂, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 4 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂, PK. Horní Němčí, Drahý NR (48), 10.ix.2002, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 4 ♂♂ 5 ♀♀; 22.ix.2007, 1 ♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and local in spring fens; most records are from the north-eastern part of the area. **General distribution:** Western Palaearctic. **Host plants:** Poaceae (perhaps *Festuca* spp. or *Poa* spp.), often found among *Juncus* and *Carex* spp. **Red List status:** Endangered.

**Comments.** The few previously published records of *M. quadrimaculatus* from the Czech Republic are from the environs of Brno and the Nesyt pond in southern Moravia and the Kokořínsko PLA in northern Bohemia (LAUTERER 1980, MALENOVSKÝ 2006). The species may, however, be under-recorded because of its cryptic way of life close to the ground.

#### *Megamelus notula* (Germar, 1830)

**Material examined.** Nedašov, Na Salaši (29), 10.ix.1999, 4 ♂♂ 2 ♀♀ 1 larva, IM. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: known from only two isolated records: in a tall-sedge fen in the north-eastern part of the area and an accidental finding of a macropterous specimen in a forest glade near Strání. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. acutiformis*, *C. acuta*, *C. rostrata*, *C. nigra* and *C. disticha*). **Red List status:** –.



***Mirabella albifrons* (Fieber, 1879)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 1.ix.2004, 1 ♀; 28.v.2005, 3 ♀♀; 28.vii.2005, 2 ♂♂ 2 ♀♀ 1 larva; 6.ix.2005, 3 ♀♀; all IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♀, PB. Lopeník, Lopenické sedlo (64), 21.v.2005, 2 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 1 ♀; both IM. Lipov, Hájová hill (78), 19.iv.2012, 1 ♂ 1 ♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 3 ♂♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 1 ♂, PK; 27.vii.2005, 6 ♂♂ 14 ♀♀, IM. Javorník, loampit W of village (95), 10.vii.2008, 1 ♀, ZM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in neglected wet to dry meadows throughout the area but quite uncommon. **General distribution:** Central, eastern and south-eastern Europe, Kazakhstan. **Host plants:** *Calamagrostis epigejos* and *C. canescens*. **Red List status:** –.

***Muellerianella brevipennis* (Boheman, 1847)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂ 7 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀; 11.vii.2006, 1 ♀; both IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 4 ♂♂ 9 ♀♀; all IM. Bynice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 5 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀; 28.vii.2005, 1 ♀; 6.ix.2005, 5 ♀♀; all IM. Korytná, Březí (46), 5.vii.2001, 2 ♂♂ 5 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 1 ♀, IM. Suchov, Trnovský Mlýn (90), 1.ix.2005, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 4 ♀♀; 10.ix.2000, 1 ♂ 7 ♀♀; all IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread (even if quite local) in wet grassland and spring fens throughout the area. **General distribution:** European. **Host plant:** *Deschampsia cespitosa*. **Red List status:** –.

***Muellerianella extrusa* (Scott, 1871)**

**(VU)**

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57) [cited as “*Liburnia Faiermairi* Perr.”, misidentified]. MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Korytná, Březí (46), 5.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but insufficiently documented because of its predominantly cryptic way of life close to the ground and critical taxonomy (most specimens recorded were females which cannot be identified with certainty – see the Material examined under *Muellerianella* sp. below). **General distribution:** Palaearctic. **Host plant:** *Molinia caerulea* agg. **Red List status:** Vulnerable.

**Comments.** Based on recent field surveys, *M. extrusa* is probably widespread and locally common in the Czech Republic in regions where its host plant occurs commonly, e.g. in the Třeboňská pánev Basin and the Šumava Mts. in southern Bohemia and the Elbe River lowland in central Bohemia. However, it has been only poorly documented in literature so far (LAUTERER & NOVOTNÝ 1991, DLABOLA 1997).

***Muellerianella fairmairei* (Perris, 1857)**

**Material examined.** Brumov, Uhličky (14), 30.vi.2004, 4 ♀♀; 5.x.2004, 1 ♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Reliably identified specimens were collected in only one locality (a mesic meadow) in the north-eastern part of the area.

**General distribution:** Southern and western Europe. **Host plants:** *Holcus lanatus* and *H. mollis*. **Red List status:** –.

**Comments.** Most records previously published from the Czech Republic under this name were misidentified and refer to *M. extrusa* (DLABOLA 1997). Recently, *M. fairmairei* has been confirmed in a few localities in central and southern Bohemia (MALENOVSKÝ 2006 and additional unpublished material from the Moravian Museum, Brno). Here we provide the first reliable record also for Moravia. *M. fairmairei* may be widespread in the country but its identification is generally difficult as males are rare and females cannot be identified with certainty unless provided with definite host plant data (BOOIJ 1981, 1982a,b; BOOIJ & GULDEMOND 1984).

***Muellerianella* sp.**

**Material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♀, MH; 9.ix.1999, 2 ♀♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 6.ix.2005, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀; 5.x.2004, 13 ♀♀; 6.ix.2005, 3 ♀♀; all IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 2 ♀♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 2 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 2 ♀♀; 3.ix.2005, 2 ♀♀; all PK. Strání, Záhumenice NM (104), 2.vii.2001, 7 ♀♀; 9.viii.2001, 2 ♀♀; all PK. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀; 29.x.2011, 1 ♀; both IM.

**Comments.** Most of the above listed specimens probably belong to *Muellerianella extrusa* but some of them may also represent *M. fairmairei*. The females of these two species cannot be identified with certainty unless associated with males or definite host plant data.

***Paradelphacodes paludosus* (Flor, 1861)**

**(EN)**

**Material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Na Nivách, 19.v.1999, 2 ♂♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local, present only in well-preserved calcareous spring fens. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. rostrata* and *C. panicea*). **Red List status:** Endangered.

**Comments.** *Paradelphacodes paludosus* is locally abundant in intermediate bogs and peaty meadows in south-western Moravia but rather sporadic elsewhere in the Czech Republic (DLABOLA 1954, LAUTERER 1980).

***Paraliburnia adela* (Flor, 1861)**

(VU)

**Material examined.** Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 8 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only on the banks of the Vlára River on the Czech-Slovak border. **General distribution:** Eurosiberian. **Host plant:** *Phalaris arundinacea*. **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *P. adela* has been recorded e.g. in floodplains and wet meadows of the Dyjsko-svratecký and Dolnomoravský úval Lowlands in southern Moravia, the Jihlavské vrchy Hills and Mohelno environs in south-western Moravia, as well as Frýdlantsko region in northern Bohemia and the Třeboňská pánev Basin in southern Bohemia (LAUTERER 1980 and unpublished data from the Moravian Museum, Brno). It usually dwells in the stands of its host plant close to the ground and is rarely caught in sweep-nets. It may be a widespread species which is, however, overlooked at many sites.

***Ribautodelphax albostrata* (Fieber, 1866)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 2 ♂♂, PK. Valašské Klobouky, Brumovská street (5), 19.v.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 1 ♂, IM. Brumov, Uhličky (14), 1.ix.2004, 1 ♂; 5.x.2004, 1 ♂ 4 larvae; all IM; 5.iv.–4.v.2005, 1 ♂; 4.vii.–6.viii.2005, 1 ♂; both PT, KR; 28.vii.2005, 11 ♂♂ 2 ♀♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 15 ♂♂ 8 ♀♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 7 ♂♂ 2 ♀♀ 1 larva, IM; 28.vii.2005, 6 ♂♂, PK; 4.vii.–6.viii.2005, 2 ♂♂; 6.viii.–7.ix.2005, 1 ♂; all PT, KR; 4.ix.2005, 3 ♂♂, PK. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂; 11.vii.2009, 1 ♂; both PB. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂ 1 ♀, PK; 21.vii.2002, 9 ♂♂, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♂, PK; 20.vii.2002, 4 ♂♂, IM; 10.ix.2002, 4 ♂♂ 2 ♀♀, IM; 22.viii.–27.ix.2003, 1 ♂, PT, KR. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀, IM. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂, PK; 12.ix.2002, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂, IM; 25.ix.2004, 4 ♂♂, IM; 21.v.2005, 11 ♂♂, IM; 24.vii.2005, 13 ♂♂, IM; 3.ix.2005, 3 ♂♂, PK. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 2 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 5 ♂♂ 7 ♀♀; 8.viii.2007, 4 ♂♂ 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 1 ♂, PK; 25.ix.2004, 2 ♀♀, PK; 21.v.2005, 1 ♂, IM; 24.vii.2005, 1 ♂; PK. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♂♂ 8 ♀♀; 19.iv.2012, 4 ♂♂ 2 ♀♀; all IM. Lipov, Hájová hill (78), 19.iv.2012, 10 ♂♂ 3 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 4 ♂♂ 7 ♀♀, IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 7 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, several ♂♂ ♀♀; 13.vii.1998, 2 ♂♂; 18.iv.2000, 8 ♂♂; all IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 9 ♂♂, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 6 ♂♂, PK; 26.v.2005, 25 ♂♂, IM; 27.vii.2005, 102 ♂♂, IM; 1.ix.2005, 6 ♂♂, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 8 ♂♂ 4 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 5 ♂♂; 1.x.2004, 3 ♂♂; 26.v.2005, 7 ♂♂; 27.vii.2005, 72 ♂♂; 1.ix.2005, 15 ♂♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 6 ♂♂ 1 ♀, IM. Javorník, Machová NR (102), 14.v.1998, 3 ♂♂ 1 ♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂, PL. Strání, Záhumenice NM (104), 24.v.2001, 9 ♂♂ 4 ♀♀, IM; 9.viii.2001, 5 ♂♂, PK; 21.ix.2001, 2 ♂♂, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area, including the highest elevations. **General**

**distribution:** Palaearctic. **Host plants:** *Poa angustifolia* and *P. pratensis*. **Red List status:** –.

***Ribautodelphax angulosa* (Ribaut, 1953) (VU)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57) [all cited as “*Liburnia pallens* Stal”, misidentified]. MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). MALENOVSKÝ & LAUTERER (2010): Valašské Klobouky, Bílé potoky NR (13); Nedašov, Jalovcová stráň NR (17); Lopeník, U Zvonice NM (63); Lopeník, Lopenické sedlo (64); Kněždub, Čertoryje NNR, Járkovec brook valley (77); Malá Vrbka, Výzkum hill (80); Javorník, Petruchovy Mlýny (97); Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 6 ♂♂, IM. Nedašov, Jalovcová stráň NR (17), 25.vi.2002, 1 ♂ 1 ♀, PK. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 6 ♂♂ 5 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 21.v.2005, 2 ♂♂ 1 ♀, IM; 24.vii.2005, 10 ♂♂ 3 ♀♀, PK; 3.ix.2005, 1 ♂ 1 ♀, PK. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 2.vi.2008, 1 ♂, IM; 12.viii.2008, 1 ♂ 1 ♀, KD & KF. Radějov, Kútky NR (86), 11.vii.1998, 3 ♂♂, IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in species-rich meadows and pastures throughout the area. **General distribution:** European. **Host plant:** *Anthoxanthum odoratum*. **Red List status:** Vulnerable.

**Comments.** The available data on the distribution of *R. angulosa* in the Czech Republic have been summarized by MALENOVSKÝ & LAUTERER (2010). The species is quite widespread and locally common at least in southern Moravia and north-eastern Bohemia, being confined to non-intensively managed, dry to mesic grassland on sunny sites.

***Ribautodelphax collina* (Boheman, 1847)**

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57).

**Additional material examined.** Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♂, IM; 3.ix.2005, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two sites in the central part of the area; rare and apparently restricted here to pastures at relatively high elevations. **General distribution:** European. **Host plant:** *Agrostis capillaris*. **Red List status:** –.

***Ribautodelphax imitans* (Ribaut, 1953)**

**Published records.** MALENOVSKÝ & LAUTERER (2010): Horní Němčí, Vinohrádky (49); Lopeník, Lopenické sedlo (64); Kněždub, Čertoryje NNR, Járkovec brook valley (77); Malá Vrbka, Výzkum hill (80); Velká nad Veličkou, Zahrady pod Hájem NNR (88); Suchov, Trnovský Mlýn (90); Javorník, Petruchovy Mlýny (97); Strání, Záhumenice NM (104).

**Additional material examined.** Vyškovec, Vyškovecké Bošačky (69), 21.v.2005, 1 ♂, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 22.vi.2008, 1 ♂, KD & KF. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the south-western and central parts of the area, probably missing in the north-east; in pastures, quite eutrophicated dry grassland and abandoned fields, uncommon. **General distribution:**

Southern half of Europe and Great Britain. **Host plant:** *Festuca arundinacea*. **Red List status:** –.

**Comments.** The distribution of *R. imitans* in the Czech Republic has been reviewed by MALENOVSKÝ & LAUTERER (2010); the species has been documented from south-eastern Moravia and central Bohemia.

### ***Ribautodelphax pungens* (Ribaut, 1953)**

**Published records.** MALENOVSKÝ (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (77, 79). **Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 3 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♂, IM. Poteč, Ploščíny NR (12), 4.vii.1999, 2 ♂♂, IM; 1.vi.2002, 2 ♂♂ 10 ♀♀, IM; 24.viii.2002, 13 ♂♂ 11 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 10 ♂♂, IM. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♂; 3.vii.1999, 1 ♂; 30.vi.2004, 1 ♀; 1.ix.2004, 1 ♂; 28.v.2005, 2 ♂♂ 6 ♀♀; all IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 3 ♂♂, PK. Brumov, Kloboucká street (24), 5.x.2004, 24 larvae; 28.v.2005, 3 ♀♀ 1 larva; all IM; 28.vii.2005, 12 ♂♂ 19 ♀♀ 1 larva; 4.ix.2005, 1 ♂ 2 ♀♀ 2 larvae; all PK; 5.iv.–4.v.2005, 1 ♂ 3 larvae; 4.v.–3.vi.2005, 1 ♂; 3.vi.–4.vii.2005, 1 ♂ 3 larvae; 4.vii.–6.viii.2005, 3 ♂♂; 6.viii.–7.ix.2005, 3 ♂♂; all PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 2 ♀♀; 11.vii.2006, 48 ♂♂ 27 ♀♀; all IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂; 11.vii.2009, 1 ♂; all PB. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 3 ♂♂ 5 ♀♀, IM & PK; 21.vii.2002, 7 ♂♂, IM. Strání, Obecnice hill (60), 9.viii.2001, 2 ♂♂, PK; 20.vii.2002, 2 ♂♂ 13 ♀♀, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♂ 2 ♀♀, IM. Lopeník, Lopenické sedlo (64), 21.v.2005, 2 ♂♂; 24.vii.2005, 1 ♂; all IM. Radějov, Žerotín NM (73), 19.iv.2012, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 28.vii.2001, 1 ♂, IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂; 8.ix.1998, 1 ♂; both IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 3 ♂♂; 18.iv.2000, 8 ♂♂; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 3 ♂♂ 1 ♀, PK; 1.x.2004, 1 ♂, IM; 26.v.2005, 1 ♂ 6 ♀♀, IM; 27.vii.2005, 24 ♂♂, IM. Suchov, Trnovský Mlýn (90), 26.v.2005, 7 ♂♂; 27.vii.2005, 23 ♂♂; 1.ix.2005, 3 ♂♂; all IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 2 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 27.vii.2005, 6 ♂♂, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in dry grassland, species-rich meadows and pastures and along forest margins throughout the area. **General distribution:** Europe and Turkey. **Host plant:** *Brachypodium pinnatum*. **Red List status:** –.

### ***Stenocranus fuscovittatus* (Stål, 1858)**

**(VU)**

**Published records.** MALENOVSKÝ & LAUTERER (2010): Lopeník, Lopenické sedlo (64); Javorník, Machová NR (102).

**Additional material examined.** Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare: recorded altogether from three small spring fen sites in the south-western and central parts of the area. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. acutiformis* and *C. paniculata*). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *S. fuscovittatus* is quite widespread and locally common in wetland habitats of southern and western Moravia as well as in central, northern and southern Bohemia, being distributed from lowlands to highlands (MALENOVSKÝ & LAUTERER 2010).

***Stenocranus major* (Kirschbaum, 1868)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Královec hill (11), 13.ix.1999, many ♂♂ ♀♀, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 1 ♂ 1 ♀, IM. Brumov, Kloboucká street (24), 5.x.2004, 1 ♂ 1 ♀, IM. Bylnice, railway station environs (27), 21.v.1999, 1 ♂ 3 ♀♀; 11.ix.1999, 1 ♂; all IM. Svatý Štěpán, Nadřičí (32), 21.v.1999, 1 ♂ 1 ♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, many ♂♂ ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Horní kopec hill (50), 15.v.1998, 2 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀, IM. Radějov, Lučina (76), 13.v.1998, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♂, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and locally common along brooks, rivers and waysides throughout the area. **General distribution:** European. **Host plant:** *Phalaris arundinacea*. **Red List status:** –.

***Stenocranus minutus* (Fabricius, 1787)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂ 1 ♀; 11.ix.1999, 4 ♂♂ 4 ♀♀; all IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂ 1 ♀; 10.ix.1999, 4 ♂♂ 5 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 3 ♂♂ 2 ♀♀; 9.ix.1999, 3 ♂♂ 2 ♀♀; all IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 4 ♂♂ 6 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 2 ♂♂, IM; 9.ix.1999, 9 ♂♂ 8 ♀♀, IM; 23.viii.2002, 1 ♂, PK. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 2 ♀♀; 10.ix.1999, 6 ♂♂; 28.v.2005, 2 ♀♀; 28.vii.2005, 1 larva; 6.ix.2005, 1 ♂ 1 ♀; all IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 2 ♂♂ 1 ♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 3 ♂♂ 2 ♀♀, IM; 5.x.2004, 1 ♂ 3 ♀♀, IM; 28.vii.2005, 2 larvae, PK; 4.ix.2005, 1 ♂ 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 2 ♂♂ 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 4 ♂♂ 2 ♀♀ 1 larva, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♀, PB. Louka, Hloží NR (42), 7.ix.1998, 1 ♂, IM; 24.iv.1999, 1 ♀, MH. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 13.viii.2001, 1 larva, PK; 21.ix.2001, 1 ♂ 1 ♀, PK; 23.v.2002, 1 ♀, IM; 21.vii.2002, 1 larva, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 3 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 5 ♀♀, IM; 21.v.2005, 1 ♂, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 3 ♂♂ 1 ♀, IM. Výskovec, Výskovecké Bošačky (69), 19.viii.2004, 1 larva, PK; 25.ix.2004, 13 ♂♂ 6 ♀♀, PK; 21.v.2005, 2 ♀♀, IM; 3.ix.2005, 1 ♂ 1 ♀ 1 larva, PK. Výskovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♂ 4 ♀♀, PK; 21.v.2005, 1 ♀, IM; 8.ix.2005, 1 ♂ 1 ♀ 3 larvae, IM. Výskovec, Ve Vlčí NR (71), 22.v.2005, 5 ♀♀, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Malá Vrbka, Výzkum hill (80), 17.iv.2000, 1 ♀, IM; 2.v.2001, 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, several ♂♂ ♀♀; 18.iv.2000, 3 ♂♂ 6 ♀♀; 9–10.ix.2000, 1 ♀; all IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 3 ♀♀; 10.ix.2000, 4 ♂♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 1 ♂ 2 ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 1 ♀, IM. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 21.ix.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various grassland habitats throughout the area. **General distribution:** Western Palearctic. **Host plant:** *Dactylis glomerata*. **Red List status:** –.

### *Stiroma affinis* Fieber, 1866

**Material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 3 ♂♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂, PK. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♂♂, IM & PK. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♂, IM & PK. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite local; in forest undergrowth and along forest roads. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Brachypodium pinnatum*, *Calamagrostis arundinacea*, *Poa nemoralis*, *Avenella flexuosa*, and *Festuca altissima*). **Red List status:** –.

### *Stiroma bicarinata* (Herrich-Schäffer, 1835)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂; 11.ix.1999, 1 ♂; all IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 2 ♀♀, MH. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 6 ♂♂, IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♀, PK; 16.vi.2006, 1 ♂, IM; 11.vii.2006, 8 ♂♂ 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂ 2 ♀♀, IM. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂ 4 ♀♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 10 ♂♂ 10 ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 4 ♂♂ 3 ♀♀, PK. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂ 3 ♀♀, IM. Strání, Důbrava hill (62), 7.vii.1980, 3 ♂♂, PL. Lopeník, U Zvonice NM (63), 27.vi.2004, 5 ♂♂ 4 ♀♀; 24.vii.2005, 2 ♀♀; all IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂, IM. Výskovec, Pod Hřibovňou NM (70), 28.vi.2004, 15 ♂♂ 12 ♀♀, IM; 21.v.2005, 11 larvae, IM; 24.vii.2005, 1 ♀ 1 larvae, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 4 ♂♂, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 2 ♂♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂, PK. Strání, Javorina NNR (106), 4.vii.2001, 10 ♂♂ 5 ♀♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common among tall grass in mesic to wet meadows, along forest margins, in forest glades etc. throughout the area, including the highest elevations. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Holcus mollis*, *Glyceria maxima*, *Dactylis glomerata*, *Elytrigia repens*, and *Arrhenatherum elatius*). **Red List status:** –.

### *Struebingianella lugubrina* (Boheman, 1847) (VU)

**Material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, many larvae; 8.viii.2007, 11 ♂♂ 28 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: recorded only from three sites in the central and north-eastern parts of the area; on shores of a pond and in moderately shaded wet depressions and spring fens. **General distribution:** European. **Host plants:** *Glyceria* spp. **Red List status:** Vulnerable.

**Comments.** *Struebingianella lugubrina* is a quite widespread although local and stenotopic species in the Czech Republic. It has been documented e.g. from southern,

central and north-eastern Bohemia and central Moravia (DLABOLA 1954, MALENOVSKÝ 2006).

***Xanthodelphax flaveola* (Flor, 1861)**

(VU)

**Material examined.** Nedašov, Jalovcová stráň NR (17), 28.v.2005, 6 ♂♂ 3 ♀♀, IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 1 ♀, IM. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 2 ♂♂ 3 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and apparently restricted to meadows and pastures at cool sites, largely situated at relatively high elevations. **General distribution:** European. **Host plant:** *Poa pratensis*. **Red List status:** Vulnerable.

**Comments.** *Xanthodelphax flaveola* used to be a widespread species in central Europe but has declined due to intensification of grassland management in recent decades and is currently largely confined to low-productivity pastures and meadows in submontane and montane altitudes (HOLZINGER *et al.* 2003, NICKEL 2003, KUNZ *et al.* 2011).

***Xanthodelphax straminea* (Stål, 1858)**

**Material examined.** Poteč, Ploščiny NR (12), 24.viii.2002, 1 ♀, PK. Brumov, Uhličky (14), 28.vii.2005, 1 ♀; 4.ix.2005, 1 ♂; both PK. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 1 ♂; 6.ix.2005, 1 ♂ 2 ♀♀; all IM. Horní Němčí, Drahy NR (48), 23.v.2002, 1 ♀, PK; 21.vii.2002, 3 ♂♂, IM; 10.ix.2002, 1 ♀, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 3 ♂♂ 2 ♀♀, PK; 23.v.2002, 1 ♂ 1 ♀, IM & PK. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂, PK; 23.v.2002, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂ 1 ♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 5 ♂♂ 2 ♀♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 4 ♂♂ 11 ♀♀; IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 3 ♂♂ 3 ♀♀, IM. Vyškovec, Vyškovcecké Bošacky (69), 19.viii.2004, 1 ♂ 1 ♀, PK; 21.v.2005, 1 ♂, IM; 3.ix.2005, 2 ♂♂ 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 18.v.2002, 2 ♂♂, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 5 ♂♂ 2 ♀♀, PK; 26.v.2005, 2 ♂♂ 3 ♀♀, IM; 27.vii.2005, 4 ♂♂, IM; 1.ix.2005, 6 ♂♂ 4 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 27.vii.2005, 1 ♀, IM. Strání, Záhumenice NM (104), 23.v.2002, 1 ♂; 20.vii.2002, 2 ♂♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area, particularly in pastures and ruderal sites. **General distribution:** Europe, Kazakhstan. **Host plants:** *Agrostis* spp. (*A. canina*, *A. capillaris*, *A. stolonifera*). **Red List status:** –.

**Family DICTYOPHARIDAE**

***Dictyophara europaea* (Linnaeus, 1767)**

(NT)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38).

**Additional material examined.** Bylnice, Na Stráži (25), 11.vii.2006, 2 larvae, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂ 1 ♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 12.viii.2008, 1 ♂, KD & KF. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to a few xerothermic sites, largely situated in the south-western part of the area with one isolated record in the



environs of Bylnice; rare in disturbed dry grassland. **General distribution:** Southern parts of central Europe, Mediterranean, Caucasus and steppe regions of Asia. **Host plants:** Polyphagous on dicotyledonous herbs, grasses and shrubs. **Red List status:** Near-threatened.

**Comments.** In the Czech Republic, *D. europaea* is locally common in warm regions of southern Moravia and central Bohemia (DLABOLA 1954, MALENOVSKÝ *et al.* 2011) but rather rare and local or absent elsewhere.

### Family TETTIGOMETRIDAE

#### *Tettigometra fusca* Fieber, 1865

(EN)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Suchov, Trnovský Mlýn (90); Javorník, Nad Vápenkou NM (94).

**Additional material examined.** Horní Němčí, Drahy NR (48), 21.ix.2001, 1 larva, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic: collected in a sheep pasture on a sunny hillside and two dry grassland sites in the south-western part of the area. **General distribution:** South-eastern parts of central Europe, south-eastern Europe. **Host plants:** Myrmecophilous, associated with the ant nests of *Formica pratensis*. **Red List status:** Endangered.

**Comments.** *Tettigometra fusca* is a declining species in central Europe (HOLZINGER *et al.* 2003, NICKEL 2003). In the Czech Republic, it is rare and local, recorded from relatively few xerothermic sites in southern and western central Moravia and the environs of Český Krumlov in southern Bohemia (LAUTERER 1957, 1958, 1996; MALENOVSKÝ & LAUTERER 2010).

#### *Tettigometra impressopunctata* Dufour, 1846

(VU)

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 2 ♀♀, IM; 14.viii.2006, 3 ♀♀, PK. Nedašov, Jalovcová stráň NR (17), 25.vi.2002, 1 ♀, PK; 5.x.2004, 1 ♀, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 3 ex., IM. Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ex.; 21.ix.2001, 2 ♀♀; all IM; 21.ix.2001, 2 ♀♀, PK; 10.ix.2002, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, several ex., IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂ 3 ♀♀; 22.ix.2007, 2 ♀♀; all IM. Výskovec, Výskovecké Bošacky (69), 3.ix.2005, 1 ♂, PK. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂ 1 ♀, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 12.viii.2008, 1 ♂ 2 ♀♀, KD & KF. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 3 ex., IM; 27.vii.2000, 1 ♂ 1 ♀, IM; 18.viii.2000, 1 ex., PK; 9.–10.ix.2000, 11 ex., IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂ 1 ♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; relatively common in sunny, dry meadows and pastures, fragments of dry grassland, xerothermic forest margins, and an abandoned quarry. **General distribution:** Europe except the north. **Host plants:** Perhaps polyphagous and myrmecophilous; adults are usually collected among herbaceous vegetation and less frequently also on shrubs and trees. **Red List status:** Vulnerable.

**Comments.** Based on published (DLABOLA 1954, MALENOVSKÝ *et al.* 2011) and unpublished data from museum collections and recent field surveys, *T. impressopunctata* is a quite widespread species in relatively warm areas of the Czech Republic (both Bohemia and Moravia), although it is common only locally, being invariably confined to habitats generally valuable from a nature conservationist viewpoint (mostly dry grassland with scattered trees and shrubs, abandoned military training grounds, abandoned quarries etc. with a high concentration of endangered plant and invertebrate species).

***Tettigometra leucophaea* (Preysler, 1792) (CR)**

= *Tettigometra obliqua* (Panzer, 1799)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57).

**Distribution and frequency in the Bílé Karpaty PLA:** Only known from one finding from 1940s, not confirmed in recent years; probably extinct in the area (LAŠTŮVKA *et al.* 2008). **General distribution:** Southern half of the Palaearctic region. **Host plants:** Probably polyphagous. **Red List status:** Critically endangered.

**Comments.** *Tettigometra leucophaea* has disappeared from large parts of central Europe in a few recent decades (HOLZINGER *et al.* 2003, NICKEL 2003, KUNZ *et al.* 2011). This is also true for the Czech Republic where it used to be common in warm parts of Bohemia and Moravia until 1960s (e.g. DLABOLA 1954). Since then, the species has gone nearly extinct and in recent years, it has been documented only from one site in north-western Bohemia (abandoned military training ground near Podbořany – I. Malenovský, unpublished data).

***Tettigometra virescens* (Panzer, 1799) (EN) (Fig. 4)**

**Material examined.** Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂; 8.viii.2007, 1 ♀; 22.ix.2007, 1 ♂ 2 ♀♀; all IM. Vyškovec, Vyškovecké Bošáčky (69), 24.vii.2005, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♀, IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂ 1 ♀; 1.ix.2005, 1 ♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 1.ix.2005, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and local, restricted to the south-western and central parts of the area; in pastures on sunny hillsides, fragments of dry grasslands and on the bottom of an abandoned quarry. **General distribution:** Southern parts of central Europe, Mediterranean region. **Host plants:** Usually found on low growing vegetation, perhaps polyphagous and myrmecophilous. **Red List status:** Endangered.

**Comments.** In the Czech Republic, *T. virescens* is probably largely restricted to species-rich, non-intensively managed dry meadows and pastures with scattered trees and shrubs in lowlands and hills of south-eastern Moravia (DLABOLA 1954, MALENOVSKÝ *et al.* 2011).

### Family ISSIDAE

#### *Issus coleoptratus* (Fabricius, 1781)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Suchá Loz, Studený vrch hill (57), 6.viii.2001, 1 ♂, MH. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂; 28.vii.2000, 1 ♂; both IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 2 larvae, IM; 19.vi.2000, 1 ♀, PK; 9.–10.ix.2000, 1 ♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♀, IM. Strání, Záhumenice NM (104), 10.vii.1998, 1 ♀, MH.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably restricted to the relatively warmer, south-western part of the area; along sunny forest margins, uncommon. **General distribution:** Western Palaearctic. **Host plants:** Polyphagous, mainly on bark and branches of deciduous trees and shrubs. **Red List status:** –.

#### *Issus muscaeformis* (Schrank, 1781)

(VU)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 24.viii.2002, 1 ♀, PK. Poteč, Ploščiny NR (12), 17.viii.2006, 1 ♂, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂; 10.ix.1999, 1 ♂, IM. Strání, Javorina NNR (106), 29.x.2011, 2 larvae, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably restricted to relatively cool sites in the north-eastern part of the area and Mt Velká Javořina; along sunny forest margins, quite rare. **General distribution:** Western Palaearctic. **Host plants:** Polyphagous, mainly on bark and branches of deciduous trees and shrubs (e.g. *Quercus*, *Carpinus*, *Fagus*, and *Corylus*). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *I. muscaeformis* is a relatively rare species which has been recorded e.g. from the environs of Prague, the Bohemian Karst and the Kokořínsko PLA in central Bohemia and the environs of Olomouc in central Moravia (DLABOLA 1954, MALENOVSKÝ 2006).

### Suborder CICADOMORPHA

#### Family CICADIDAE

#### *Cicadetta montana* (Scopoli, 1772)

(VU)

**Published records.** JONGEPIEROVÁ *et al.* (1992): Radějov, Kútky NR (86). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). MACKOVČIN & JATIOVÁ (2002): Radějov, Žerotín NM (73); Radějov, Kútky NR (86). **Additional material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 1 larval exuvia, IM. Suchov, Kazivec brook valley (47), 14.vi.2006, 1 ♀, OK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but quite rare and confined to relatively warm and sunny sites, particularly forest margins and open woodland. **General distribution:** Palaearctic. **Host plants:** Polyphagous on woody plants, larvae live on roots in the soil. **Red List status:** Vulnerable.

**Comments.** *Cicadetta montana* as traditionally understood is a complex of several sibling species of which at least three are present in central Europe; the individual species are morphologically very similar and differ mainly by bioacoustical characters (GOGALA & TRILAR 2004, HERTACH 2007, SUEUR & PUISSANT 2007). The taxonomic identity of the Czech populations still remain to be ascertained. Based on preliminary observations, the most widespread species in the country is *Cicadetta montana* sensu stricto which is also present in the Bílé Karpaty PLA (at least the above cited female from the Kazivec brook valley is tentatively identified here as *C. montana* s.str. based on a relatively large forewing with dark subcostal vein).

### Family CERCOPIIDAE

#### *Cercopis arcuata* Fieber, 1844

(VU)

(Fig. 5)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 2 ♂♂ 1 ♀, IM. Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 2 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 17.vi.2006, 1 ♀, IM. Svatý Štěpán, Nadřičí (32), 21.v.1999, 1 ♂, IM. Horní Němčí, Horní kopec hill (50), 23.v.2002, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 8.v.2004, 2 ♂♂, IM; 27.vi.2004, 1 ♀; 21.v.2005, 4 ♂♂ 12 ♀♀; all IM. Vyškovec, Pod Hřibovňou NM (70), 21.v.2005, 5 ♂♂ 1 ♀, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 16 ♂♂ 12 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂ 6 ♀♀, IM. Javorník, Machová NR (102), 4.vi.2010, 1 ♀, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and locally common in mesic meadows, along forest margins and on waysides. **General distribution:** Southern parts of central and eastern Europe, central and eastern Mediterranean region. **Host plants:** Probably polyphagous on grasses and herbs. **Red List status:** Vulnerable.

**Comments.** *Cercopis arcuata* reaches its northern limit of distribution in the Czech Republic (HOLZINGER *et al.* 2003). Recently, it has been recorded only in Moravia with the northernmost record on the Kotouč hill near Štramberk at the foothills of the Moravskoslezské Beskydy Mts. (DLABOLA 1954). LAUTERER (1958) reports it from central Moravia (Kroměříž environs). In general, the species probably occurs in Moravia quite locally and has not been documented from large areas, including the Pannonian part of southern Moravia.

#### *Cercopis sanguinolenta* (Scopoli, 1763)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♂, IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂; 2.vii.1999, 2 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♀, IM; 30.vi.1999, 1 ♀, MH. Poteč, Ploščiny NR (12), 1.vi.2002, 78 ♂♂ 49 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 6 ♂♂ 8 ♀♀, IM. Brumov, Uhličky (14), 28.v.2005, 6 ♂♂ 4 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 1 ♀; 3.vii.1999, 1 ♀; 28.v.2005, 14 ♂♂ 20 ♀♀; 17.vi.2006, 1 ♂ 4 ♀♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 8 ♂♂ 5 ♀♀, IM; 12.vii.2006, 1 ♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♂, IM. Brumov, Kloboucká street (24), 30.vi.2004, 4 ♀♀; 28.v.2005, 9 ♂♂ 13 ♀♀; all IM. Bylnice, Na Stráži (25), 16.vi.2006, 2 ♂♂ 8 ♀♀, IM. Blatnička,

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

Milejovské louky meadows (39), 24.v.2009, 2 ♂♂ 2 ♀♀, PB. Suchov, Kazivec brook valley (47), 15.v.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 15.v.1998, several ♂♂ ♀♀, IM; 23.v.2002, 1 ♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, several ♂♂ ♀♀, IM. Výskovec, Výskovecké Bošacky (69), 27.vi.2004, 1 ♀; 21.v.2005, 13 ♂♂ 13 ♀♀; all IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 22.v.2000, 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 18.v.2002, 5 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 2 ♀♀, IM; 19.vi.2000, 1 ♀, PK. Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♂; 26.v.2005, 1 ♂ 2 ♀♀; all IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂; 19.vi.2000, 1 ♀; both IM. Javorník, Petruchovy Mlýny (97), 26.v.2005, 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM; 4.vii.1998, 2 ♀♀, IM; 4.vi.2010, 2 ♂♂ 3 ♀♀; 14.vi.2010, 3 ♂♂ 3 ♀♀; all MT, JM & PC. Strání, Záhumenice NM (104), 23.v.2002, 1 ♂ 2 ♀♀, IM & PK. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in tall stands of grass and herbs in meadows, along forest margins and on waysides. **General distribution:** Southern parts of central Europe, Mediterranean region, Asia Minor. **Host plants:** Polyphagous on grasses and herbs. **Red List status:** –.

#### *Cercopis vulnerata* Rossi, 1807

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♀, IM. Poteč, Ploštiny NR (12), 1.vi.2002, 7 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 2 ♂♂, IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♂, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♀, IM. Bylnice, railway station environs (27), 21.v.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♂ 1 ♀, IM. Suchov, Kazivec brook valley (47), 15.v.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 15.v.1998, several ♂♂ ♀♀, IM. Horní Němčí, Horní kopec hill (50), 23.v.2002, 1 ♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, several ♂♂ ♀♀, IM. Výskovec, Výskovecké Bošacky (69), 21.v.2005, 1 ♀, IM. Výskovec, Ve Vlčí NR (71), 22.v.2005, 1 ♂, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂ 1 ♀; 19.vi.2000, 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 24.v.2002, 1 ♀, PK. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area, usually preferring shaded and relatively humid places in meadows, along forest margins, forest roads etc., being absent from xerothermic sites. **General distribution:** Europe except the north. **Host plants:** Polyphagous on tall herbs and grasses. **Red List status:** –.

#### Family APHROPHORIDAE

#### *Aphrophora alni* (Fallén, 1805)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 2 ♂♂, PK. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂; 11.ix.1999, 3 ♂♂; all IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 2 ♂♂ 1 ♀; 10.ix.1999, 1 ♂; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH; 9.ix.1999, 2 ♂♂ 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♀, IM; 13.ix.1999, 1 ♂ 1 ♀, IM; 24.viii.2002, 1 ♀, IM; 17.viii.2006, 3 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 2 ♂♂,

PK; 9.ix.1999, 2 ♂♂ 1 ♀, IM; 23.viii.2002, 1 ♀, PK; 16.vi.2006, 1 ♂ 1 ♀, IM; 11.vii.2006, 2 ♂♂ 3 ♀♀, IM; 14.viii.2006, 3 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 5 ♂♂ 3 ♀♀; 1.ix.2004, 3 ♂♂ 25 ♀♀; all IM; 28.vii.2005, 3 ♀♀; 4.ix.2005, 4 ♂♂ 12 ♀♀; all PK; 7.ix.–6.x.2005, 1 ♀, PT, KR. Nedašov, village (15), 3.vii.1999, 2 ♀♀, IM; 17.viii.2006, 1 ♂, PK. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 3 ♂♂; 10.ix.1999, many ♂♂ ♀♀; 30.vi.2004, 9 ♂♂ 19 ♀♀; 1.ix.2004, 6 ♂♂ 18 ♀♀; 5.x.2004, 1 ♂ 1 ♀; 28.vii.2005, 11 ♂♂ 14 ♀♀; 6.ix.2005, 3 ♂♂ 3 ♀♀; all IM; 25.vi.2002, 1 ♀; 16.viii.2006, 1 ♂ 1 ♀; all PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 3 ♂♂ 1 ♀, IM; 12.vii.2006, 2 ♀♀, IM; 16.viii.2006, 3 ♂♂ 3 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 32 ♂♂ 68 ♀♀, IM; 2.ix.2004, 1 ♂ 11 ♀♀, IM; 28.vii.2005, 2 ♂♂ 4 ♀♀, PK; 4.ix.2005, 4 ♂♂ 5 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 2 ♂♂ 3 ♀♀, IM; 11.vii.2006, 1 ♀, IM; 18.viii.2006, 1 ♀, PK. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK; 11.ix.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂, PK; 12.ix.1999, 1 ♂ 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 4 ♂♂ 4 ♀♀; 1.ix.2004, 29 ♂♂ 27 ♀♀; 5.x.2004, 3 ♂♂ 2 ♀♀; 28.vii.2005, 5 ♂♂ 16 ♀♀; 6.ix.2005, 3 ♂♂ 8 ♀♀; all IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♂ 1 ♀, IM. Svatý Štěpán, Nadřiči (32), 12.ix.1999, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Lipov (34), 10.vii.2008, 1 ♂, ZM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 2 ♂♂ 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 2 ♀♀, PB. Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀; 30.vi.2001, 1 ♂; 21.vii.2002, 1 ♂; 10.ix.2002, 1 ♂; all IM. Horní Němčí, Vinohrádky (49), 10.ix.2002, 1 ♀, IM. Horní Němčí, Uvezené NM (50a), 10.vii.2009, 1 ♂ 1 ♀, ZM. Komňa, Lom Rasová NM (54), 5.vii.2001, 2 ♂♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀; 10.ix.1998, several ♂♂ ♀♀; all IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 9 ♂♂ 5 ♀♀, IM; 18.viii.2004, 4 ♂♂ 15 ♀♀, PK; 25.ix.2004, 4 ♂♂ 4 ♀♀, IM; 24.vii.2005, 2 ♂♂ 2 ♀♀, IM; 3.ix.2005, 3 ♂♂ 1 ♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂ 1 ♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂; 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♂♂ 3 ♀♀; 22.ix.2007, 1 ♂ 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂, IM; 19.viii.2004, 4 ♂♂ 2 ♀♀, PK; 25.ix.2004, 2 ♀♀, PK; 21.v.2005, 6 ♂♂ 5 ♀♀ 1 larva, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 5 ♂♂ 5 ♀♀, IM; 19.viii.2004, 9 ♂♂ 29 ♀♀, PK; 25.ix.2004, 19 ♂♂ 17 ♀♀, PK; 24.vii.2005, 19 ♂♂ 31 ♀♀, PK; 3.ix.2005, 25 ♂♂ 26 ♀♀, PK. Vyškovec, Pod Hřibovnou NM (70), 28.vi.2004, 16 ♂♂ 14 ♀♀, IM; 19.viii.2004, 2 ♂♂ 5 ♀♀, PK; 25.ix.2004, 2 ♂♂ 3 ♀♀, PK; 24.vii.2005, 3 ♀♀, PK; 8.ix.2005, 2 ♂♂ 6 ♀♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂ 1 ♀, IM; 9.viii.2002, 1 ♂, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀, IM; 17.viii.2000, 1 ♂ 2 ♀♀, PK; 22.vi.2001, 1 ♂, IM & PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂; 27.vii.2000, 1 ♂ 4 ♀♀; all IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 1 ♀, IM; 20.viii.2002, 1 ♂, PK. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 2 ♂♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 1 ♂, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 2 ♂♂, IM; 18.viii.2004, 8 ♂♂ 18 ♀♀, PK; 1.x.2004, 4 ♂♂ 3 ♀♀, IM; 27.vii.2005, 6 ♂♂ 24 ♀♀, IM; 1.ix.2005, 10 ♀♀, IM. Suchov, Trnovský Mlýn (90), 27.vii.2005, 1 ♂ 1 ♀, IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, several ♂♂ ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM; 10.vii.2009, 1 ♀, ZM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂; 2.ix.2004, 9 ♀♀; 1.x.2004, 1 ♀; 27.vii.2005, 4 ♀♀; 1.ix.2005, 3 ♂♂ 1 ♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 3 ♂♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♀, IM; 9.viii.2001, 6 ♂♂ 12 ♀♀, PK; 21.ix.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various habitats throughout the area: along forest margins, on woody vegetation along streams and around ponds and springs, on solitary shrubs and trees scattered in grassland, in the herb layer of non-intensively used meadows and pastures etc. **General distribution:** Palaearctic. **Host plants:** Polyphagous on dicotyledonous plants. **Red List status:** –.

### *Aphrophora corticea* Germar, 1821

**Material examined.** Nedašov, Jalovcová stráň NR (17), 12.vii.2006, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic: known from only one site in the north-eastern part of the area (a small, artificially planted pine wood). **General distribution:** Eurosiberian. **Host plants:** *Pinus sylvestris* and *P. nigra*. **Red List status:** –.

### *Aphrophora pectoralis* Matsumura, 1903

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀; 13.ix.1999, 2 ♂♂ 1 ♀; all IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 3 ♂♂ 3 ♀♀, PK; 9.ix.1999, 1 ♂ 3 ♀♀, IM; 11.vii.2006, 1 ♂, IM; 14.viii.2006, 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 12.vii.2006, 1 ♂, IM. Bylnice, railway station environs (27), 1.vii.1999, 3 ♂♂, MH & PK; 11.ix.1999, 3 ♂♂ 2 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂, PK; 12.ix.1999, 1 ♂ 1 ♀, IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 4 ♂♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀; 30.vi.2001, 6 ♂♂; all IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀; 10.ix.1998, 1 ♀; both IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 1 ♀; 8.viii.2007, 1 ♀; 22.ix.2007, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Radějov, Lučina (76), 22.vi.2001, 1 ♂, IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀; 8.ix.1998, 2 ♀♀; all IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 2 ♀♀; 10.ix.2000, 1 ♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, several ♂♂ ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, usually in the vicinity of standing or running water: streams, ponds and springs. **General distribution:** Palaearctic. **Host plants:** *Salix* spp. (mainly *S. caprea*, *S. purpurea*, *S. cinerea* and *S. aurita*). **Red List status:** –.

### *Aphrophora salicina* (Goeze, 1778)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Bylnice, railway station environs (27), 1.vii.1999, 1 ♂, MH & PK; 11.ix.1999, 3 ♂♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀; 30.vi.2001, 1 ♂; all IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂ 3 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂ 1 ♀, IM & PK. Malá Vrbka, village (81), 19.vi.2000, 2 ♀♀, IM & PK. Radějov, Kútky NR (86), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK. Javorník, Machová NR (102), 9.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but confined to relatively low elevations and valleys; in the vicinity of streams, ponds and springs and on ornamental willows in villages. **General distribution:** Palaearctic. **Host plants:** *Salix* spp. (mainly *S. alba* and *S. purpurea*). **Red List status:** –.

***Lepyronia coleoptrata* (Linnaeus, 1758)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♂, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♀; 10.ix.1999, 5 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 2 ♂♂ 1 ♀, MH; Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂; 13.ix.1999, 1 ♂ 4 ♀♀; 1.vi.2002, 1 ♂; all IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 2 ♂♂ 1 ♀, PK; 9.ix.1999, 1 ♂ 4 ♀♀, IM; 16.vi.2006, 2 ♂♂, IM; 11.vii.2006, 1 ♂ 1 ♀, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Brumov, Uhličky (14), 30.vi.2004, 3 ♂♂; 1.ix.2004, 1 ♂ 1 ♀; all IM. Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂ 2 ♀♀; 10.ix.1999, many ♂♂ ♀♀; 30.vi.2004, 31 ♂♂ 14 ♀♀; 1.ix.2004, 2 ♂♂ 12 ♀♀; 5.x.2004, 10 ♀♀; 28.vii.2005, 1 ♂ 3 ♀♀; 6.ix.2005, 1 ♂ 15 ♀♀; 17.vi.2006, 2 ♂♂; all IM; 25.vi.2002, 1 ♀; 16.viii.2006, 3 ♀♀; all PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂, IM; 12.vii.2006, 1 ♂ 1 ♀, IM; 16.viii.2006, 4 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 242 ♂♂ 152 ♀♀; 2.ix.2004, 13 ♂♂ 69 ♀♀; 5.x.2004, 3 ♂♂ 9 ♀♀; all IM; 28.vii.2005, 5 ♂♂ 18 ♀♀; 4.ix.2005, 2 ♂♂ 13 ♀♀; all PK; 4.vii.–6.viii.2005, 3 ♂♂, PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 3 ♂♂, IM; 11.vii.2006, 2 ♂♂ 1 ♀, IM; 18.viii.2006, 1 ♀, PK. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Plánava hill (28), 12.ix.1999, 1 ♀, IM. Hluk, Kobyly hlava NM (35), 24.viii.2002, 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 3 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 4 ♀♀; 16.viii.2009, 1 ♂ 1 ♀; all PB. Louka, Hloží NR (42), 7.ix.1998, 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 5 ♂♂ 3 ♀♀, IM & PK; 13.viii.2001, 1 ♀, PK; 21.vii.2002, 6 ♂♂ 10 ♀♀, IM; 10.ix.2002, 1 ♂ 7 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 21.ix.2001, 1 ♀, IM; 20.vii.2002, 1 ♀, IM; 12.ix.2002, 2 ♀♀, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 2 ♂♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂ 2 ♀♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 6 ♂♂ 2 ♀♀; 8.viii.2007, 1 ♂ 1 ♀; 22.ix.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♂♂ 5 ♀♀; 8.viii.2007, 2 ♀♀; all IM. Vyskovec, Vyskovecké Bošačky (69), 27.vi.2004, 12 ♂♂ 10 ♀♀, IM; 19.viii.2004, 2 ♀♀, PK; 25.ix.2004, 1 ♂ 1 ♀, PK; 24.vii.2005, 3 ♂♂, PK; 3.ix.2005, 1 ♂ 1 ♀, PK. Vyskovec, Pod Hřibovňou NM (70), 28.vi.2004, 2 ♂♂, IM; 19.viii.2004, 1 ♂ 11 ♀♀, PK; 25.ix.2004, 1 ♂, PK; 24.vii.2005, 4 ♂♂ 11 ♀♀, PK; 8.ix.2005, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀, IM; 17.viii.2000, 1 ♀, PK; 20.ix.2001, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 1 ♀, PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♀, PK; 20.ix.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Radějov, Kůtky NR (86), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂ 1 ♀, IM; 18.viii.2000, 2 ♀♀, PK; 9.–10.ix.2000, 1 ♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 5 ♂♂ 4 ♀♀, IM; 16.viii.2004, 6 ♂♂ 9 ♀♀, PK; 1.x.2004, 4 ♀♀, IM; 7.vii.2005, 7 ♂♂ 17 ♀♀, IM; 1.ix.2005, 7 ♂♂ 19 ♀♀, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 2 ♀♀, PK; 1.x.2004, 1 ♀, IM; 27.vii.2005, 2 ♀♀, IM; 1.ix.2005, 6 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂; 24.v.2002, 1 ♂ 1 ♀; all IM; 10.vii.2009, 1 ♂ 1 ♀, ZM. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♂♂ 1 ♀; 10.ix.2000, 1 ♀, all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂; 2.ix.2004, 2 ♀♀; 1.x.2004, 2 ♀♀; 27.vii.2005, 3 ♀♀; 1.ix.2005, 1 ♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♂♂ 1 ♀; 9.ix.1998, several ♂♂ ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♀, IM; 9.viii.2001, 1 ♂ 3 ♀♀, PK; 21.ix.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various open grassland habitats throughout the area: meadows, pastures, waysides, ruderal sites etc. **General distribution:** Palaearctic. **Host plants:** Polyphagous on herbs and grasses. **Red List status:** –.



***Neophilaenus albipennis* (Fabricius, 1798)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♀, IM; 13.ix.1999, 1 ♀, IM; 17.viii.2006, 2 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 3 ♂♂, IM; 11.vii.2006, 4 ♂♂ 1 ♀, IM; 14.viii.2006, 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 2 ♀♀; 30.vi.2004, 4 ♂♂ 1 ♀; 5.x.2004, 1 ♂ 1 ♀; 28.vii.2005, 1 ♂; all IM; 16.viii.2006, 3 ♂♂ 1 ♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 5 ♂♂ 2 ♀♀, IM; 28.vii.2005, 3 ♂♂ 6 ♀♀, PK; 4.ix.2005, 1 ♂ 4 ♀♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 2 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 3 ♀♀, IM. Louka, Hloží NR (42), 7.ix.1998, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀, IM; 30.vi.2001, 2 ♂♂ 3 ♀♀, IM & PK; 13.viii.2001, 1 ♂ 3 ♀♀, PK; 21.ix.2001, 2 ♀♀, PK; 23.v.2002, 1 ♂, IM; 21.vii.2002, 12 ♂♂ 6 ♀♀, IM; 10.ix.2002, 1 ♂ 2 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♂♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 28.vii.2001, 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂ 3 ♀♀, IM; 18.viii.2000, 2 ♂♂, PK. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 1.ix.2005, 2 ♂♂, IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, several ♂♂ ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♂♂; 10.ix.2000, 1 ♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 9.viii.2001, 1 ♂, PK. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 3 ♂♂; 9.ix.1998, 1 ♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area except the coolest and acid sites; in dry meadows and pastures and along forest margins. **General distribution:** Europe except the north, north Africa, Siberia. **Host plants:** *Brachypodium pinnatum*. **Red List status:** —.

***Neophilaenus campestris* (Fallén, 1805)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Nedašov, Jalovcová stráň NR (17), 6.ix.2005, 1 ♀, IM. Lipov (34), 10.vii.2009, 1 ♀, ZM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 4 ♂♂ 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂ 3 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♂ 1 ♀; 11.vii.2009, 2 ♂♂; 16.viii.2009, 1 ♂; all PB. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀; 30.vi.2001, 2 ♂♂ 3 ♀♀; all IM; 13.viii.2001, 3 ♀♀, PK; 21.ix.2001, 14 ♂♂ 20 ♀♀, PK; 10.ix.2002, 107 ♂♂ 131 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 5 ♂♂ 2 ♀♀, IM; 21.ix.2001, 4 ♂♂ 8 ♀♀, PK; 10.ix.2002, 69 ♂♂ 62 ♀♀, IM. Horní Němčí, Uvezené NM (50a), 10.vii.2009, 1 ♂ 1 ♀, ZM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 2.vii.2001, 2 ♀♀, IM & PK; 9.viii.2001, 9 ♂♂ 5 ♀♀, PK; 21.ix.2001, 39 ♂♂ 43 ♀♀, IM; 23.v.2002, 296 ♂♂ 253 ♀♀, IM; 20.vii.2002, 1 ♂ 3 ♀♀, IM; 12.ix.2002, 41 ♂♂ 72 ♀♀, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂ 7 ♀♀, IM; 25.ix.2004, 1 ♀, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 22.ix.2007, 1 ♂ 3 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♀, IM. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 ♂ 4 larvae; 8.ix.2005, 1 ♂; all IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM; 9.viii.2002, 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, many ♂♂ ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 2 ♀♀; 28.vii.2000, 1 ♀; 20.ix.2001, 1 ♀; all IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 3 ♂♂ 17 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, several ♂♂ ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 3 ♂♂ 2 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 2 ♂♂ 3 ♀♀; 8.ix.1998, many ♂♂ ♀♀; all IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂ 1 ♀, PK; 9.ix.2000, 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.viii.2000, 2 ♀♀, PK; 9.–10.ix.2000, 3 ♂♂ 2 ♀♀, IM. Suchov,

Suchovské Mlýny (89), 23.vi.2004, 3 ♂♂ 3 ♀♀, IM; 18.viii.2004, 1 ♀, PK; 1.x.2004, 9 ♂♂ 7 ♀♀, IM; 27.vii.2005, 2 ♂♂ 2 ♀♀, IM; 1.ix.2005, 40 ♂♂ 39 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 14 ♂♂ 11 ♀♀, IM; 16.viii.2004, 3 ♂♂ 12 ♀♀, PK; 1.x.2004, 46 ♂♂ 79 ♀♀, IM; 27.vii.2005, 2 ♂♂ 6 ♀♀, IM; 1.ix.2005, 186 ♂♂ 192 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♂♂ 4 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 1 ♀; 24.v.2002, 1 ♂ 4 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 95 ♂♂ 87 ♀♀; 2.ix.2004, 14 ♂♂ 34 ♀♀; 1.x.2004, 34 ♂♂ 35 ♀♀; 1.ix.2005, 33 ♂♂ 28 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 5 ♂♂ 3 ♀♀, IM; 9.viii.2001, 1 ♀, PK; 21.ix.2001, 23 ♂♂ 23 ♀♀, IM; 15.vi.2010, 2 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in the south-western and central parts of the area but sporadic in the north-east; in dry meadows, pastures and ruderal sites, often locally abundant. **General distribution:** Western Palaearctic. **Host plants:** Poaceae (e.g. *Agrostis capillaris*, *Arrhenatherum elatius*, *Elytrigia repens* etc.). **Red List status:** –.

### *Neophilaenus infumatus* (Haupt, 1917)

(NT)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 4 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 5 ♂♂ 4 ♀♀; 16.viii.2009, 1 ♂ 5 ♀♀; all PB. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀, IM. Strání, Obecnice hill (60), 2.vii.2001, 1 ♀, IM & PK; 20.vii.2002, 2 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♀♀; 22.vi.2001, 1 ♀; all IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀; 28.vii.2001, 1 ♀; both IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 27.vii.2000, 2 ♂♂, IM. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite uncommon, being restricted to xerothermic places in the south-western part of the area: in dry meadows, pastures and ruderal grassland, usually on sunny hillsides. **General distribution:** Southern and eastern central Europe, south-eastern Europe, Siberia and Mongolia. **Host plants:** Fine-leaved *Festuca* spp. (the local host is probably *F. rupicola*). **Red List status:** Near-threatened.

### *Neophilaenus lineatus* (Linnaeus, 1758)

**Published records.** LANG (1945a): Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂; 11.ix.1999, many ♂♂ ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 3 ♂♂ 2 ♀♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM; 13.ix.1999, 2 ♀♀, IM; 24.viii.2002, 1 ♀, PK; 17.viii.2006, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂, IM; 14.viii.2006, 1 ♂, PK. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂ 3 ♀♀; 10.ix.1999, many ♂♂ ♀♀; 1.ix.2004, 1 ♀; 28.vii.2005, 1 ♂ 2 ♀♀; 6.ix.2005, 5 ♂♂ 6 ♀♀; all IM; 25.vi.2002, 2 ♂♂ 2 ♀♀; 16.viii.2006, 2 ♂♂ 2 ♀♀; all PK. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♂♂; 5.x.2004, 1 ♂; 28.vii.2005, 3 ♂♂; all IM. Blatnička, Milejovské louky meadows (39), 16.viii.2009, 1 ♂ 2 ♀♀, PB. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 21.ix.2001, 1 ♀, PK. Horní Němčí, Vinohrádky (49), 24.vii.–22.viii.2003, 1 ♀, PT, KR. Komňa, Lom Rasová NM (54), 5.vii.2001, 3 ♂♂ 2 ♀♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂ 1 ♀; 10.ix.1998, many ♂♂ ♀♀; all IM. Strání,

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

Obecnice hill (60), 2.vii.2001, 1 ♂, IM & PK; 9.viii.2001, 1 ♂, PK; 20.vii.2002, 1 ♀, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 1 ♀, PK; 25.ix.2004, 1 ♀, IM; 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 22.ix.2007, 2 ♂♂ 1 ♀; all IM. Vyskovec, Vyskovecké Bošačky (69), 24.vii.2005, 1 ♀, PK. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂, IM; 9.viii.2002, 1 ♂, PK. Kněždub, Kněždubský háj forest (75), 17.viii.2000, 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♂♂, IM & PK; 8.ix.2000, 4 ♂♂ 2 ♀♀, PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♂, PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀; 8.ix.1998, 1 ♀; both IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 3 ♂♂ 2 ♀♀; 9.–10.ix.2000, 1 ♀; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 1 ♂ 1 ♀, PK; 27.vii.2005, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 1.ix.2005, 1 ♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀; 10.ix.2000, 1 ♂ 2 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀; 9.ix.1998, 1 ♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in wet to mesic grassland and spring fens throughout the area. **General distribution:** Holarctic. **Host plants:** Various Poaceae, Cyperaceae and Juncaceae. **Red List status:** –.

#### *Philaenus spumarius* (Linnaeus, 1758)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58). HUBÁČEK (1979): Hluk, Kobylí hlava NM (35); Hluk, Hlucké louky meadows (37); Blatnička, Jasenová hill (40). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Strání, Záhumenice NM (104).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 4 ♀♀, PK. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 3 ♀♀, IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂, IM; 11.ix.1999, 2 ♂♂ 3 ♀♀, IM; 24.viii.2002, 2 ♂♂ 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 3 ♂♂; 10.ix.1999, 4 ♂♂ 4 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 15 ♂♂ 6 ♀♀, MH; 9.ix.1999, 1 ♂ 4 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 3 ♀♀, IM. Poteč, Ploščíny NR (12), 13.ix.1999, 5 ♂♂ 5 ♀♀, IM; 1.vi.2002, 1 ♂, IM; 24.viii.2002, 16 ♂♂ 22 ♀♀, PK; 17.viii.2006, 1 ♂ 4 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♀, PK; 9.ix.1999, 2 ♂♂ 2 ♀♀, IM; 23.viii.2002, 1 ♂ 1 ♀, PK; 16.vi.2006, 1 ♂, IM; 11.vii.2006, 2 ♂♂ 4 ♀♀, IM; 14.viii.2006, 2 ♂♂ 2 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 20 ♂♂ 7 ♀♀; 1.ix.2004, 2 ♂♂ 4 ♀♀; 5.x.2004, 2 ♂♂ 4 ♀♀; all IM; 28.vii.2005, 2 ♂♂ 7 ♀♀; 4.ix.2005, 11 ♀♀; all PK. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, many ♂♂ ♀♀; 30.vi.2004, 5 ♂♂ 3 ♀♀; 1.ix.2004, 5 ♂♂ 9 ♀♀; 5.x.2004, 1 ♂ 1 ♀; 28.vii.2005, 9 ♂♂ 12 ♀♀; 6.ix.2005, 6 ♂♂ 14 ♀♀; all IM; 25.vi.2002, 3 ♀♀; 16.viii.2006, 1 ♂ 3 ♀♀; all PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂ 4 ♀♀, IM; 16.viii.2006, 6 ♂♂ 3 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 3 ♂♂ 1 ♀; 2.ix.2004, 5 ♂♂ 5 ♀♀; 5.x.2004, 2 ♀♀; all IM; 28.vii.2005, 6 ♂♂ 6 ♀♀; 4.ix.2005, 1 ♂ 5 ♀♀; all PK. Bylnice, Na Stráži (25), 16.vi.2006, 3 ♀♀, IM; 11.vii.2006, 3 ♂♂, IM; 18.viii.2006, 2 ♂♂ 3 ♀♀, PK. Bylnice, railway station environs (27), 1.vii.1999, 3 ♂♂ 2 ♀♀, MH & PK; 11.ix.1999, 4 ♂♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 2 ♂♂ 2 ♀♀, PK; 12.ix.1999, many ♂♂ ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 2 ♀♀; 30.vi.2004, 4 ♂♂ 6 ♀♀; 1.ix.2004, 22 ♂♂ 41 ♀♀; 5.x.2004, 3 ♂♂ 20 ♀♀; 28.vii.2005, 50 ♂♂ 58 ♀♀; 6.ix.2005, 19 ♂♂ 22 ♀♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♀, IM. Lipov (34), 28.vii.2008, many ♂♂ ♀♀, ZM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 2 ♂♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 2 ♂♂ 5 ♀♀; 16.viii.2009, 4 ♂♂ 1 ♀; all PB. Louka, Hloží NR (42), 7.ix.1998, 1 ♂, IM. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, many ♂♂ ♀♀, IM; 30.vi.2001, 27 ♂♂ 22 ♀♀, IM & PK; 13.viii.2001, 12 ♂♂ 27 ♀♀, PK; 21.ix.2001, 4 ♂♂ 11 ♀♀, PK; 23.v.2002, 2 larvae, IM; 21.vii.2002, 90 ♂♂ 101 ♀♀, IM; 10.ix.2002, 12 ♂♂ 41 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♀, IM; 13.viii.2001, 2 ♂♂ 1 ♀, PK; 21.ix.2001, 1 ♀, PK; 20.vii.2002, 4 ♂♂ 1 ♀, IM; 10.ix.2002, 2 ♂♂ 2

♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀; 10.ix.1998, many ♂♂ ♀♀; all IM. Strání, Obecnice hill (60), 21.ix.2001, 1 ♂ 3 ♀♀, IM; 20.vii.2002, 4 ♂♂ 7 ♀♀, IM; 12.ix.2002, 1 ♂ 5 ♀♀, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 5 ♂♂ 3 ♀♀, IM; 18.viii.2004, 36 ♂♂ 32 ♀♀, PK; 25.ix.2004, 3 ♂♂ 17 ♀♀, IM; 24.vii.2005, 14 ♂♂ 10 ♀♀, IM; 3.ix.2005, 6 ♂♂ 10 ♀♀, PK. Lopeník, Lopenické sedlo (64), 24.vii.2005, 2 ♂♂ 3 ♀♀, IM; 3.ix.2005, 1 ♀, PK. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂ 1 ♀; 24.vii.2005, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 6 ♂♂; 22.ix.2007, 1 ♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 2 ♀♀; 8.viii.2007, 4 ♂♂ 1 ♀; 22.ix.2007, 1 ♂ 1 ♀; all IM. Vyškovec, Vyškovcecké Bošačky (69), 27.vi.2004, 20 ♂♂ 22 ♀♀, IM; 19.viii.2004, 10 ♂♂ 10 ♀♀, PK; 25.ix.2004, 5 ♂♂ 18 ♀♀, PK; 24.vii.2005, 20 ♂♂ 22 ♀♀, PK; 3.ix.2005, 7 ♂♂ 12 ♀♀, PK. Vyškovec, Pod Hribovňou NM (70), 28.vi.2004, 2 ♂♂ 2 ♀♀, IM; 19.viii.2004, 15 ♂♂ 14 ♀♀, PK; 25.ix.2004, 1 ♂ 1 ♀, PK; 24.vii.2005, 5 ♂♂ 7 ♀♀, PK; 8.ix.2005, 9 ♂♂ 13 ♀♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, several ♂♂ ♀♀, IM; 9.viii.2002, 3 ♂♂ 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀; 28.vii.2000, 3 ♂♂ 1 ♀; all IM; 17.viii.2000, 2 ♀♀, PK; 20.ix.2001, 2 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2 ♀♀; 27.vii.2000, 44 ♂♂ 35 ♀♀; all IM & PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 2 ♀♀, PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 2 ♂♂ 1 ♀, PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀; 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 3 ♂♂ 2 ♀♀; 18.viii.2000, 2 ♂♂ 3 ♀♀, PK; 9.–10.ix.2000, 2 ♂♂ 1 ♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 14 ♂♂ 5 ♀♀, IM; 16.viii.2004, 39 ♂♂ 52 ♀♀, PK; 1.x.2004, 15 ♂♂ 60 ♀♀, IM; 27.vii.2005, 39 ♂♂ 31 ♀♀ 1 larva, IM; 1.ix.2005, 48 ♂♂ 83 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 2 ♂♂, IM; 16.viii.2004, 34 ♂♂ 27 ♀♀, PK; 1.x.2004, 2 ♂♂ 21 ♀♀, IM; 27.vii.2005, 51 ♂♂ 51 ♀♀, IM; 1.ix.2005, 40 ♂♂ 71 ♀♀, IM. Javorník, village (92), 8.viii.2001, 2 ♂♂, PK. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♂ 4 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 3 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 4 ♂♂ 4 ♀♀; 10.ix.2000, 3 ♂♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 8 ♂♂ 2 ♀♀; 2.ix.2004, 55 ♂♂ 71 ♀♀; 1.x.2004, 13 ♂♂ 25 ♀♀; 27.vii.2005, 8 ♂♂ 9 ♀♀; 1.ix.2005, 22 ♂♂ 32 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 2 ♀♀; 9.ix.1998, several ♂♂ ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 88 ♂♂ 81 ♀♀, IM; 9.viii.2001, 59 ♂♂ 75 ♀♀, PK; 21.ix.2001, 4 ♂♂ 13 ♀♀, IM. Strání, Javorina NNR (106), 12.vii.1998, many ♂♂ ♀♀, IM; 4.vii.2001, 2 ♂♂ 1 ♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area from the lowest to the highest elevations; eurytopic in various grassland habitats, ruderal sites and open forests. **General distribution:** Palearctic; introduced into North America and Australia. **Host plants:** Widely polyphagous, usually on various dicotyledonous herbs. **Red List status:** –.

## Family MEMBRACIDAE

### *Centrotus cornutus* (Linnaeus, 1758)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♀, IM; 30.vi.1999, 1 ♀, MH. Poteč, Ploštiny NR (12), 4.vii.1999, 2 ♀♀; 1.vi.2002, 1 ♀; all IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♀; 28.v.2005, 1 larva; 12.vii.2006, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 larva, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, several ♂♂ ♀♀; 30.vi.2001, 1 ♀; all IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 2 ♀♀, IM. Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♂, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM; 4.vi.2010, 1 ♂; 14.vi.2010, 1 ♂; both MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area, e.g. along forest margins and roads and around shrubs scattered in meadows and pastures. **General distribution:** Palaearctic. **Host plants:** Polyphagous; larvae on stout herbs (e.g. *Vincetoxicum*, *Cirsium*, *Carduus*, *Urtica*), adults also on low-growing trees and shrubs. **Red List status:** –.

#### *Gargara genistae* (Fabricius, 1775)

**Material examined.** Lipov (34), 10.vii.2009, 1 ♀, ZM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂ 5 ♀♀, IM; 13.viii.2001, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂; 27.vii.2000, 4 ♂♂ 1 ♀; 9.–10.ix.2000, 2 ♀♀; all IM. Javorník, loampit W of village (95), 10.vii.2009, 5 ♂♂ 1 ♀, ZM.

**Distribution and frequency in the Bílé Karpaty PLA:** Found only in dry grasslands in the south-western part of the area: quite rare and local. **General distribution:** Holarctic, Ethiopian and Oriental. **Host plants:** Woody species of Fabaceae (e.g. *Cytisus*, *Ononis*, *Genista*, *Colutea*, *Coronilla*, *Glycyrrhiza*, *Caragana* etc., rarely also on *Trifolium*, *Melilotus* and *Medicago*). **Red List status:** –.

#### *Stictocephala bisonia* Kopp et Yonke, 1977

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79). MALENOVSKÝ & LAUTERER (2006b): Nedašov, Jalovcová stráž NR (17); Hluk, Babí hora NM (36); Suchov, Kazivec brook valley (47); Strání, Hrnčárky NM and Žabka reservoir surroundings (59); Kněždub, Čertoryje NNR (77, 79); Hrubá Vrbka, football ground (82); Velká nad Veličkou, village (87). LAUTERER *et al.* (2011): Slavičín, town (22); Blatnička, Milejovské louky meadows (39); Starý Hrozenkov, Skalka quarry (67).

**Additional material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 1 ♀, IM. Horní Němčí, village (44), 21.ix.2001, 1 ♂ 1 ♀, PK. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, occurring in relatively warm places, usually along brooks and rivers, in villages or along scrub on sunny hillsides. **General distribution:** Nearctic, introduced into Europe, central Asia and Pacific. **Host plants:** Polyphagous, usually on herbaceous plants (e.g. *Solidago* spp., *Medicago sativa*) and woody species of Rosaceae and Salicaceae. **Red List status:** –.

**Comments.** *Stictocephala bisonia* is an allochthonous, invasive species in the Czech Republic. Currently, it is widespread in southern, central and northern Moravia and in central and north-eastern Bohemia (LAUTERER *et al.* 2011). The first specimen in the Bílé Karpaty PLA was collected in 1998 (MALENOVSKÝ & LAUTERER 2006b).

### Family CICADELLIDAE

#### *Acericerus heydenii* (Kirschbaum, 1868)

**Material examined.** Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 2 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 28.x.2011, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from forest margins on hills in the central and south-western parts of the area. **General distribution:** European. **Host plants:** *Acer* spp. (mainly *A. pseudoplatanus*). **Red List status:** –.

***Acericerus ribauti* Nickel et Remane, 2002**

**Material examined.** Horní Němčí, village (44), 13.viii.2001, 1 ♂ 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2 ♀♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected along forest margins in the south-western part of the area. **General distribution:** European. **Host plants:** *Acer* spp. (mainly *A. campestre*). **Red List status:** –.

***Acericerus vittifrons* (Kirschbaum, 1868)**

**Material examined.** Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♂ 1 ♀, PK. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably scattered along forest margins throughout the area but rarely collected. **General distribution:** European. **Host plants:** *Acer* spp. (mainly *A. campestre*). **Red List status:** –.

***Adarrus multinotatus* (Boheman, 1847)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 24 ♂♂ 5 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 5 ♂♂ 4 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 30 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♀, IM; 13.ix.1999, 19 ♂♂ 5 ♀♀, IM; 1.vi.2002, 101 ♂♂ 45 ♀♀ 14 larvae, IM; 24.viii.2002, 193 ♂♂ 58 ♀♀ 19 larvae, PK; 17.viii.2006, 4 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 7 ♂♂ 3 ♀♀, IM; 23.viii.2002, 1 ♂, PK; 16.vi.2006, 15 ♂♂ 5 ♀♀, IM; 11.vii.2006, 12 ♂♂ 11 ♀♀, IM; 14.viii.2006, 5 ♂♂ 1 ♀, PK. Brumov, Uhličky (14), 28.vii.2005, 1 ♂; 4.ix.2005, 1 ♂; both PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 5 ♂♂ 2 ♀♀; 10.ix.1999, 4 ♂♂ 2 ♀♀; 30.vi.2004, 2 ♀♀ 1 larva; 1.ix.2004, 8 ♂♂ 9 ♀♀ 2 larvae; 5.x.2004, 2 ♂♂ 4 ♀♀; 28.v.2005, 2 ♂♂ 1 larva; 28.vii.2005, 3 ♀♀; 6.ix.2005, 33 ♂♂ 15 ♀♀ 3 larvae; 17.vi.2006, 2 ♂♂; 12.vii.2006, 1 ♂; all IM; 16.viii.2006, 2 ♂♂, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 4 ♂♂ 2 ♀♀, IM; 12.vii.2006, 3 ♂♂ 2 ♀♀, IM; 16.viii.2006, 11 ♂♂ 2 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 2 ♂♂ 1 ♀ 1 larva; 2.ix.2004, 33 ♂♂ 23 ♀♀ 16 larvae; 5.x.2004, many ♂♂ ♀♀; 28.v.2005, 16 ♂♂ 1 larva; all IM; 28.vii.2005, 6 ♀♀ 5 larvae; 4.ix.2005, 240 ♂♂ 130 ♀♀ 8 larvae, PK; 4.v.–3.vi.2005, 1 ♂ 1 ♀ 3 larvae; 4.vii.–6.viii.2005, 5 ♂♂ 1 ♀ 5 larvae; 6.viii.–7.ix.2005, 6 ♂♂ 5 ♀♀ 16 larvae; 7.ix.–6.x.2005, 2 ♂♂ 4 ♀♀; all PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 10 ♂♂ 2 ♀♀, IM; 11.vii.2006, 3 ♂♂ 6 ♀♀, IM; 18.viii.2006, 8 ♂♂ 2 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂ 3 ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Plánava hill (28), 12.ix.1999, 14 ♂♂ 5 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♂♂ 1 ♀; 5.x.2004, 1 ♂ 3 ♀♀; 6.ix.2005, 4 ♂♂; all IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 6 ♂♂ 3 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, many ♂♂ ♀♀,

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♀, PB. Louka, Hloží NR (42), 7.ix.1998, 1 ♂ 2 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 3 ♀♀, PL. Korytná, Březí (46), 5.vii.2001, 11 ♂♂ 5 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 4 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 23 ♂♂ 8 ♀♀, IM & PK; 13.viii.2001, 5 ♂♂ 5 ♀♀ 13 larvae, PK; 21.ix.2001, 7 ♂♂ 6 ♀♀, PK; 23.v.2002, 5 ♂♂ 2 larvae, IM; 21.vii.2002, 13 ♂♂ 11 ♀♀ 36 larvae, IM; 10.ix.2002, 5 ♂♂ 8 ♀♀, IM; 22.v.–22.vi.2003, 1 ♀ 3 larvae, PT, KR; 22.vi.–24.vii.2003, 1 ♀ 1 larva, PT, KR; 24.vii.–22.viii.2003, 1 ♂ 4 ♀♀ 2 larvae, PT, KR; 22.viii.–27.ix.2003, 3 ♂♂ 4 ♀♀, PT, KR. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 2.vii.2001, 4 ♂♂ 1 ♀ 2 larvae, IM & PK; 9.viii.2001, 1 ♀, PK; 12.ix.2002, 1 ♂, IM. Strání, Důbrava hill (60), 7.vii.1980, 1 ♂, PL. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 1 ♀, IM; 3.ix.2005, 2 larvae, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♀, IM. Výškovec, Výškovce Bošačky (69), 27.vi.2004, 1 ♂, IM; 25.ix.2004, 1 ♂, PK. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀; 28.vii.2000, 1 ♂ 1 ♀; all IM; 22.vi.2001, 1 ♀, IM & PK; 20.ix.2001, 1 ♂, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 2 ♂♂ 1 ♀, PL. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 2 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 9 ♂♂ 4 ♀♀, IM; 20.viii.2002, 1 ♂, PK. Radějov, Kútky NR (86), 8.ix.1998, 6 ♂♂ 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂ 1 ♀, IM; 18.viii.2000, 1 ♂, PK; 9.–10.ix.2000, many ♂♂ ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♀, IM; 18.viii.2004, 8 ♂♂ 8 ♀♀ 5 larvae, PK; 1.x.2004, 39 ♂♂ 46 ♀♀, IM; 26.v.2005, 3 ♂♂ 13 larvae, IM; 27.vii.2005, 1 ♂ 1 ♀ 1 larva, IM; 1.ix.2005, 38 ♂♂ 28 ♀♀, IM. Suchov, Tmiovský Mlýn (90), 23.vi.2004, 6 ♂♂ 2 ♀♀ 1 larva, IM; 16.viii.2004, 2 ♂♂ 2 larvae, PK; 1.x.2004, 4 ♂♂ 6 ♀♀, IM; 27.vii.2005, 2 ♀♀ 1 larva, IM; 1.ix.2005, 22 ♂♂ 5 ♀♀ 1 larva, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 10 ♂♂ 2 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, many ♂♂ ♀♀; 24.v.2002, 1 ♂; all IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 16 ♂♂ 11 ♀♀; 10.ix.2000, 6 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 2 ♂♂ 3 ♀♀ 1 larva; 2.ix.2004, 18 ♂♂ 8 ♀♀ 3 larvae; 1.x.2004, 5 ♂♂ 4 ♀♀; 26.v.2005, 4 larvae; 27.vii.2005, 1 ♂ 1 ♀; 1.ix.2005, 2 ♂♂ 1 ♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 2 ♂♂ 5 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♂♂; 9.ix.1998, 2 ♂♂ 4 ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 2 ♂♂ 1 ♀, PL. Strání, Záhumenice NM (104), 2.vii.2001, 9 ♂♂ 4 ♀♀, PK; 9.viii.2001, 1 ♂, PK; 21.ix.2001, 11 ♂♂ 1 ♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 7 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in dry grassland, meadows, pastures, and along forest margins; present even at the highest elevations in the meadow on the top of Mt Velká Javořina (ca. 950 m). **General distribution:** Western Palaearctic. **Host plant:** *Brachypodium pinnatum*. **Red List status:** –.

*Agallia brachyptera* (Boheman, 1847)

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 larva, IM. Brumov, Uhlíčky (14), 30.vi.2004, 1 larva, IM; 4.vii.–6.viii.2005, 1 ♂, PT, KR. Brumov, Kloboucká street (24), 3.vi.–4.vii.2005, 1 larva; 4.vii.–6.viii.2005, 1 ♀; both PT, KR. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂ 8 ♀♀; 5.x.2004, 2 ♀♀; 28.vii.2005, 1 ♀; 6.ix.2005, 2 ♀♀; all IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 22.vi.–24.vii.2003, 1 ♀, PT, KR. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Strání, Obecnice hill (60), 23.v.2002, 2 larvae, IM & PK. Lopeník, U Zvonice NM (63), 20.v.–25.vi.2005, 2 larvae, PT, KR; 26.vi.–26.vii.2005, 3 ♂♂ 7 larvae, PT, KR; 24.vii.2005, 2 ♂♂, IM; 26.vii.–26.viii.2005, 5 ♂♂ 3 ♀♀, PT, KR; 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 26.vi.–26.vii.2005, 2 ♂♂ 1 larva; 26.vii.–26.viii.2005, 1 ♂; all PT, KR. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♀, IM. Výškovec, Výškovce Bošačky (69), 3.ix.2005, 1 ♀, PK. Výškovec, Pod Hřibovňou NM (70), 24.vii.2005, 2 ♂♂ 3 ♀♀, PK; 8.ix.2005, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM; 18.viii.2000,

1 ♀, PK. Suchov, Trnovský Mlýn (90), 4.vi.–4.vii.2005, 1 larva; 4.vii.–6.viii.2005, 1 ♂; both PT, KR. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 7.ix.2002, 1 ♀, IM; 17.vi.–19.vii.2003, 1 larva, PT, KR. Strání, Záhumenice NM (104), 20.vii.2002, 5 ♂♂, IM; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Strání, Javorina NNR (106), 29.x.2011, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area. **General distribution:** Western Palaearctic. **Host plants:** Probably polyphagous on Asteraceae and Fabaceae. **Red List status:** –.

### *Aguriahana stellulata* (Burmeister, 1841)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, LT, 1 ♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Horní Němčí, village (44), 13.viii.2001, 1 ♀, PK. Horní Němčí, Drahy NR (48), 10.ix.1998, 3 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♀, IM. Radějov, Holý vrch hill (74), 4.vii.1977, 1 ♂ 1 ♀, LP. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 5 ♀♀, IM. Javorník, village (92), 8.viii.2001, 1 ♀, PK. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but usually recorded in low numbers of specimens; along forest margins, in orchards and on solitary trees in villages. **General distribution:** Eurosiberian. **Host plants:** Polyphagous on deciduous trees (e.g. *Tilia cordata*, *Prunus avium*, *P. spinosa*, *Populus nigra*, *Betula pendula*, *Acer* spp.). **Red List status:** –.

### *Alebra albostriella* (Fallén, 1826)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 5 ♂♂ 8 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 3 ♂♂ 1 ♀, IM; 16.viii.2006, 2 ♀♀, PK. Luhačovice, Luhačovická dolina valley (21), 6.viii.1980, 2 ♂♂ 1 ♀, LP. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♀, PK. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 2 ♀♀, PL. Korytná, Březí (46), 5.vii.2001, 6 ♂♂ 7 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 9 ♂♂ 14 ♀♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♀, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 5 ♂♂, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 1 ♀, IM. Radějov, Holý vrch hill (74), 4.vii.1977, 1 ♂, 1 ♀, LP. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 6 ♂♂ 4 ♀♀; 28.vii.2000, 1 ♀; all IM; 22.vi.2001, 1 ♂, IM & PK. Radějov, Lučina (76), 14.vii.1998, 5 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 4 ♀♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM. Javorník, village (92), 8.viii.2001, 1 ♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area at sunny forest margins and on solitary oaks scattered in grassland; locally also on alder trees and shrubs in the vicinity of brooks and springs. **General distribution:** European. **Host plants:** *Quercus robur*, *Alnus glutinosa*, *A. incana*. **Red List status:** –.



### *Alebra coryli* Le Quesne, 1976

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 3 ♀♀, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♀♀, IM; 14.viii.2006, 2 ♂♂ 2 ♀♀, PK. Komňa, Nový Dvůr (53), 21.viii.1984, 4 ♂♂ 1 ♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 19.vi.2000, 2 ♂♂ 5 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 11 ♂♂ 12 ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and quite common at forest margins and along roads. **General distribution:** European. **Host plants:** *Corylus* spp. **Red List status:** –.

### *Alebra neglecta* Wagner, 1940

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 3 ♂♂ 4 ♀♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 57 ♂♂ 2 ♀♀, PL. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♂, PL. Horní Němčí, Drahy NR (48), 30.vi.2001, 4 ♂♂ 2 ♀♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂, PL. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 18 ♂♂, IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and locally common at forest margins. **General distribution:** Eurosiberian. **Host plants:** *Carpinus betulus*, *Prunus padus*, *Crataegus* spp. **Red List status:** –.

### *Alebra viridis* (Rey, 1824)

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 12.vii.2006, 1 ♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 4 ♀♀, IM; 16.viii.2006, 2 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 2 ♂♂ 3 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♀, PL. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common on solitary oaks and along forest margins throughout the area, although usually recorded in low numbers. **General distribution:** European. **Host plant:** *Quercus petraea*. **Red List status:** –.

### *Alebra wahlbergi* (Boheman, 1845)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 3 ♀♀, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 6 ♂♂ 14 ♀♀, IM; 16.viii.2006, 1 ♂ 11

♀♀, PK. Luhačovice, Luhačovická dolina valley (21), 6.viii.1980, 1 ♂, LP. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♂ 3 ♀♀, PL. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂ 4 ♀♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Bylnice, Bylničky (26), 24.vi.1982, 6 ♂♂ many ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 2 ♀♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 1 ♂ 2 ♀♀, PK. Horní Němčí, village (44), 13.viii.2001, 1 ♀, PK. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 2 ♂♂, PL. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♀♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♀, PL. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 12 ♂♂ 19 ♀♀, IM. Radějov, Holý vrch hill (74), 4.vii.1977, 2 ♀♀, LP. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂ 10 ♀♀, IM; 22.vi.2001, 9 ♂♂ 17 ♀♀, IM & PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂ 4 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 25.v.2000, many ♂♂ ♀♀, IM; 18.vi.2000, many ♂♂ ♀♀, IM & PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂ 8 ♀♀, IM. Velká nad Veličkou, village (87), 18.viii.2000, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, many ♂♂ ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common at forest margins throughout the area. **General distribution:** European. **Host plants:** Polyphagous on deciduous trees (particularly abundant on *Acer* spp.). **Red List status:** –.

*Allygidius (Allygidius) abbreviatus* (Lethierry, 1878)

(VU)

**Material examined.** Poteč, Plošiny NR (12), 4.vii.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 3 ♂♂ 1 ♀, IM; 10.ix.1999, 1 ♀, IM; 16.viii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂; 2.ix.2004, 1 ♀; both IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♀, PB. Horní Němčí, Drahy NR (48), 21.vii.2002, 1 ♀, IM; 22.vi.–24.vii.2003, 1 ♀, PT, KR. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂ 1 ♀, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 22.vi.2008, 3 ♂♂; 12.viii.2008, 3 ♀♀; all KD & KF. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 22.vi.2008, 1 ♂, KD & KF. Radějov, Veselka hill (85), 11.vii.1998, 2 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM; 27.vii.2000, 1 ♀, IM; 18.viii.2000, 1 ♀, PK. Suchov, Trnovský Mlýn (90), 6.viii.–8.ix.2005, 1 ♀, PT, KR. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♂, IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area; in non-intensively used meadows and pastures on relatively warm and sunny sites, fragments of dry grassland, and along forest margins. **General distribution:** Southern parts of central Europe, northern France, Belgium, Italy, Bulgaria, and Tunisia. **Host plants:** Poaceae (perhaps *Bromus erectus*, *Brachypodium pinnatum*, *Calamagrostis epigejos*, and *Molinia arundinacea*). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *A. abbreviatus* is a quite common species in dry grasslands of southern Moravia; it also sporadically occurs in north-western Bohemia (DLABOLA 1956, MALENOVSKÝ *et al.* 2011 and unpublished data from the Moravian Museum, Brno).

*Allygidius (Allygidius) atomarius* (Fabricius, 1794) (VU)

**Material examined.** Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected from a forest margin at only one site in the south-western part of the area. **General distribution:** European. **Host plants:** Poaceae (larvae), deciduous trees (particularly *Ulmus* and *Quercus* spp. – adults). **Red List status:** Vulnerable.

**Comments.** *Allygidius atomarius* is a thermophilous species that is quite frequent in open woodland and along forest margins in the Pannonian part of southern Moravia but probably quite rare elsewhere in the Czech Republic (DLABOLA 1954, MALENOVSKÝ *et al.* 2011).

*Allygidius (Allygidius) commutatus* (Fieber, 1872)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploščiny NR (12), 17.viii.2006, 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♂♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♀. Horní Němčí, Uvezené NM (50a), 10.vii.2009, 1 ♂, ZM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread along sunny forest margins and in forests throughout the area but quite rarely recorded. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Brachypodium pinnatum*, *Calamagrostis arundinacea*, *C. epigejos*, *Melica uniflora* – larvae), deciduous trees (e.g. *Quercus* spp., *Ulmus* spp., *Betula pendula* – adults). **Red List status:** –.

*Allygidius (Dicrallygus) furcatus* (Ferrari, 1882) (VU)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38).

**Additional material examined.** Radějov, Žerotín NM (73), 11.vii.1998, 3 ♂♂ 5 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to xerothermic woodland and sunny forest margins in the south-western part of the area, rare. **General distribution:** Southern half of central, south-western and eastern Europe, north Africa. **Host plants:** Larvae probably on grasses, adults on shrubs and trees. **Red List status:** Vulnerable.

**Comments.** *Allygidius furcatus* is a xerothermophilous species usually collected from sun-exposed woody plants scattered in dry grassland or along forest margins. Its distribution in the Czech Republic is restricted to southern Moravia and central Bohemia (DLABOLA 1954, MALENOVSKÝ & LAUTERER 2005b, MALENOVSKÝ 2006, MALENOVSKÝ *et al.* 2011).

***Allygus communis* Ferrari, 1882**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 4 ♂♂ 3 ♀♀, IM. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂, 5 larvae, IM. Nedašov, Jalovcová stráž NR (17), 30.vi.2004, 4 larvae; 28.vii.2005, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♀♀, IM & PK; 16.viii.2006, 1 ♂, PK. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♀, IM. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Výchovec, Pod Hřibovňou NM (70), 24.vii.2005, 1 ♀, PK. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂ 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♂, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♂♂, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area; mostly on solitary trees scattered in meadows and pastures and along sunny forest margins. **General distribution:** European. **Host plants:** Poaceae (larvae), *Quercus* and *Betula* spp. (adults). **Red List status:** –.

***Allygus maculatus* Ribaut, 1948****(VU)**

**Published records.** MALENOVSKÝ & LAUTERER (2010): Korytná, Břeží (46).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site in the south-western part of the area; swept from a solitary oak in a cattle pasture. **General distribution:** European. **Host plants:** Poaceae (larvae), *Quercus robur* and *Qu. petraea* (adults). **Red List status:** Vulnerable.

**Comments.** *Allygus maculatus* has been collected in only two localities in the Czech Republic so far, both in southern Moravia; besides the record from the Bílé Karpaty PLA, there is one from Sedlec near Mikulov – MALENOVSKÝ & LAUTERER 2010).

***Allygus mixtus* (Fabricius, 1794)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Poteč, Ploščiny NR (12), 1.vi.2002, 5 larvae, IM; 17.viii.2006, 2 ♂♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♂♂ 1 ♀, IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 6 larvae; 28.v.2005, 2 larvae; 28.vii.2005, 1 ♀; all IM. Korytná, Břeží (46), 5.vii.2001, 3 ♂♂, IM. Horní Němčí, Drahy NR (48), 21.ix.2001, 1 ♀, PK. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 3 ♀♀ 3 larvae; 8.viii.2007, 3 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂; 28.vii.2000, 1 ♀; both IM. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; along forest margins and on solitary trees scattered in meadows and pastures. **General distribution:** European. **Host plants:** Poaceae (larvae), various deciduous trees (adults). **Red List status:** –.

***Allygus modestus* Scott, 1876**

**Material examined.** Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK. Hrubá Vrbka, village (83), 27.–29.vi.2008, 1 ♂, ZM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded for the central and south-western parts of the area, mostly at relatively low elevations; along forest margins and streamside vegetation, quite rare. **General distribution:** European. **Host plants:** Poaceae (larvae), various deciduous trees (adults). **Red List status:** –.

***Alnetoidia alneti* (Dahlbom, 1850)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♀, PK. Poteč, Ploščiny NR (12), 17.viii.2006, 1 ♂ 3 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 7 ♂♂ 7 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 4 ♂♂ 11 ♀♀, IM; 16.viii.2006, 1 ♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 5 ♀♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 8 ♂♂ 1 ♀, PL. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK; 11.ix.1999, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♀, PK; 12.ix.1999, 1 ♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 2 ♀♀, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 2 ♀♀, PL. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 6 ♂♂, PL. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♀♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂ 3 ♀♀, PL. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 3 ♂♂ 3 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 10 ♀♀; 8.viii.2007, 5 ♀♀; all IM. Radějov, Lučina (76), 14.vii.1998, 4 ♂♂ 2 ♀♀, IM; 17.vi.2000, 20 ♂♂, IM; 22.vi.2001, 1 ♂, IM & PK. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♂ 1 ♀, IM & PK; 28.vii.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 5 ♂♂ 2 ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 14.vi.2010, 1 ♂ 1 ♀, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in various habitats, e.g. in the vicinity of standing or running water, at forest margins, in orchards, and along roads. **General distribution:** Eurosiberian. **Host plants:** Polyphagous on deciduous trees and shrubs (particularly abundant on *Alnus glutinosa* and *A. incana*). **Red List status:** –.

***Anaceratagallia ribauti* (Ossiannilsson, 1938)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Brumov, Uhličky (14), 30.vi.2004, 1 ♀; 1.ix.2004, 1 ♂ 1 ♀; 5.x.2004, 4 ♂♂ 3 ♀♀ 5 larvae; all IM; 4.vii.–6.viii.2005, 4 ♂♂ 1 ♀ 1 larva, PT, KR; 28.vii.2005, 1 ♂; 4.ix.2005, 1 ♂ 1 ♀; all PK. Nedašov, village (15), 10.ix.1999, 2 ♂♂ 2 ♀♀ 1 larva, IM. Nedašov, Jalovcová stráž NR (17), 6.ix.2005, 1 ♂ 1 ♀, IM. Bylnice, railway station environs (27), 21.v.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 3 ♀♀ 1 larva; 5.x.2004, 1 ♀; all IM.

Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♂, PB. Horní Němčí, village (44), 13.viii.2001, 1 ♂, PK. Korytná, Březí (46), 5.vii.2001, 7 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♀, PK; 13.viii.2001, 1 larva, PK; 21.ix.2001, 1 ♂ 2 larvae, PK; 22.vi.–24.vii.2003, 1 ♀, PT, KR. Horní Němčí, Vinohrádky (49), 30.vi.2001, 3 ♂♂, IM; 21.ix.2001, 3 ♂♂ 5 larvae, PK; 20.vii.2002, 7 ♂♂ 3 ♀♀, IM; 10.ix.2002, 2 ♂♂ 2 ♀♀, IM; 22.vi.–24.vii.2003, 1 ♂, PT, KR; 24.vii.–22.viii.2003, 1 ♀, PT, KR; 22.viii.–27.ix.2003, 6 ♂♂ 5 ♀♀ 3 larvae, PT, KR. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 3 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Strání, Obecnice hill (60), 2.vii.2001, 4 ♂♂ 1 ♀, IM & PK; 9.viii.2001, 1 ♀, PK; 21.ix.2001, 1 larva, IM; 20.vii.2002, 1 ♂ 1 ♀, IM; 12.ix.2002, 1 ♂ 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 2 ♂♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 3 larvae, IM; 24.vii.2005, 2 ♂♂, IM; 3.ix.2005, 1 ♂, PK; 26.vi.–26.vii.2005, 1 larva, PT, KR. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 4 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 2 ♀♀; 22.ix.2007, 2 ♀♀; all IM. Výskovec, Výskovecké Bošačky (69), 27.vi.2004, 1 larva, IM; 19.viii.2004, 1 ♂ 1 ♀, PK; 25.ix.2004, 26 ♂♂ 15 ♀♀ 8 larvae, PK; 21.v.2005, 1 ♂ 1 ♀ 1 larva, IM; 24.vii.2005, 1 ♂, PK; 3.ix.2005, 1 ♀ 3 larvae, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 16.xi.1999–4.iii.2000, 13 ♂♂, PT, PBz; 27.vii.2000, 2 ♂♂ 5 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀, IM & PK; 28.vii.2001, 1 ♂, IM; 20.ix.2001, 1 ♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 3 ♂♂, IM; 18.viii.2004, 1 ♀, PK; 1.x.2004, 4 ♂♂ 2 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♀ 1 larva, IM; 16.viii.2004, 1 ♂ 2 ♀♀, PK; 1.x.2004, 32 ♂♂ 3 ♀♀ 17 larvae, IM; 27.vii.2005, 6 ♂♂ 3 ♀♀, IM; 1.ix.2005, 1 ♂ 3 larvae, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♀; both IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂ 2 larvae; 2.ix.2004, 1 ♂ 1 ♀ 3 larvae; 1.x.2004, 10 ♂♂ 7 ♀♀ 1 larva; 1.ix.2005, 1 larva; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 3 ♀♀, IM; 9.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 11 ♂♂ 5 ♀♀ 45 larvae, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in meadows, pastures and ruderal sites. **General distribution:** Western Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. *Plantago* spp., *Trifolium* spp.). **Red List status:** –.

#### *Anoplotettix* cf. *fuscovenosus* (Ferrari, 1882)

**Material examined.** Horní Němčí, village (44), 30.vi.2001, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.–19.vi.2000, 1 ♂ 1 ♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Confined to sunny forest margins and shrubby vegetation along roads and paths in the south-western part of the area, uncommon. **General distribution:** Southern half of Europe, Mediterranean area including north Africa, Turkey. **Host plants:** On deciduous shrubs (e.g. *Corylus avellana*). **Red List status:** –.

**Comments.** *Anoplotettix* is a species-rich genus with critical taxonomy (e.g. DLABOLA 1974). Two species have been recorded from the Czech Republic so far, *A. fuscovenosus* and *A. horvathi* Metcalf, 1955 (DLABOLA 1954, MALENOVSKÝ & LAUTERER 2010). The above cited specimens from the Bílé Karpaty PLA are provisionally identified here as *A. fuscovenosus*, although the shape of their aedeagus reminds of *A. beieri* Wagner, 1959, described from Greece (WAGNER 1959, DLABOLA 1974). A detailed study of more specimens from a wider area is needed to confirm the identification.

***Anoscopus albifrons* (Linnaeus, 1758)**

**Material examined.** Horní Němčí, Drahy NR (48), 24.vii.–22.viii.2003, 1 ♂, PT, KR. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two xerothermic sites in the south-western part of the area but probably under-recorded (specimens of this epigeic species are only rarely collected into sweep-nets); in dry grassland. **General distribution:** European. **Host plants:** Poaceae (e.g. *Avenella flexuosa*, *Holcus mollis*, *Brachypodium pinnatum*). **Red List status:** –.

***Anoscopus flavostriatus* (Donovan, 1799)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM; 14.viii.2006, 1 ♂, PK. Brumov, Uhlíčky (14), 30.vi.2004, 1 larva, IM; 3.vi.–4.vii.2005, 1 larva; 4.vii.–6.viii.2005, 2 ♂♂; all PT, KR. Brumov, Kloboucká street (24), 3.vi.–4.vii.2005, 19 larvae; 4.vii.–6.viii.2005, 13 ♂♂ 2 ♀♀ 11 larvae; 6.viii.–7.ix.2005, 4 ♂♂; all PT, KR. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀; 5.x.2004, 1 ♂; both IM. Horní Němčí, Drahy NR (48), 22.vi.–24.vii.2003, 1 ♂ 1 ♀ 4 larvae; 24.vii.–22.viii.2003, 13 ♂♂ 1 ♀ 1 larva; 22.viii.–27.ix.2003, 1 ♂ 2 ♀♀; all PT, KR. Horní Němčí, Vinohrádky (49), 20.vii.2002, 1 ♂, IM; 22.vi.–24.vii.2003, 1 ♂, PT, KR; 24.vii.–22.viii.2003, 2 ♂♂, PT, KR; 22.viii.–27.ix.2003, 2 ♂♂ 1 larva, PT, KR. Lopeník, U Zvonice NM (63), 26.vii.–26.viii.2005, 3 ♂♂, PT, KR. Lopeník, Lopenické sedlo (64), 20.v.–25.vi.2005, 1 larva; 26.vi.–26.vii.2005, 6 ♂♂ 2 ♀♀ 15 larvae; 26.vii.–26.viii.2005, 7 ♂♂; all PT, KR. Suchov, Trnovský Mlýn (90), 4.vii.–6.viii.2005, 13 ♂♂ 1 ♀ 2 larvae; 6.viii.–8.ix.2005, 2 ♂♂; all PT, KR. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 3 ♂♂ 1 ♀, IM; 17.vi.–19.vii.2003, 9 ♂♂, PT, KR; 19.vii.–17.viii.2003, 49 ♂♂ 1 ♀ 1 larva, PT, KR. Strání, Záhumenice NM (104), 20.vii.2002, 7 ♂♂ 4 ♀♀, IM; 22.vi.–24.vii.2003, 8 ♂♂, PT, KR; 24.vii.–22.viii.2003, 36 ♂♂, PT, KR.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and probably common in meadows and pastures throughout the area; most specimens were collected by means of pitfall traps. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Avenella flexuosa*, *Dactylis glomerata*, *Elytrigia repens*). **Red List status:** –.

***Anoscopus histrionicus* (Fabricius, 1794)**

**(VU)**

**Material examined.** Korytná, Březí (46), 5.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site (a cattle pasture on a sunny hillside) in the south-western part of the area. **General distribution:** Western Palaearctic. **Host plants:** Probably Poaceae. **Red List status:** Vulnerable.

**Comments.** *Anoscopus histrionicus* is an epigeic species with insufficiently known distribution in the Czech Republic. It may be under-recorded in the country as it is generally only rarely collected into sweep-nets. NICKEL (2003) and KUNZ *et al.* (2011), however, report a recent decline from most of its former localities in Germany.

***Anoscopus serratulae* (Fabricius, 1775)**

**Material examined.** Horní Němčí, Vinohrádky (49), 20.vii.2002, 2 ♂♂ 3 ♀♀, IM; 22.vi.–24.vii.2003, 52 ♂♂ 5 ♀♀ 2 larvae, PT, KR; 24.vii.–22.viii.2003, 22 ♂♂ 26 ♀♀, PT, KR. Javorník, Petruchovy Mlýny (97), 17.vi.–19.vii.2003, 9 ♂♂; 19.vii.–17.viii.2003, 4 ♂♂; all PT, KR. Strání, Záhumenice NM (104), 22.vi.–24.vii.2003, 6 ♂♂; 24.vii.–22.viii.2003, 5 ♂♂; all PT, KR.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from three sites (all cattle pastures) in the south-western part of the area, perhaps under-recorded (like other *Anoscopus* spp., this is an epigeic species which can be effectively collected by pitfall traps or suction samplers but quite exceptionally by sweeping). **General distribution:** European. **Host plants:** Poaceae (e.g. *Elytrigia repens*, *Dactylis glomerata*, *Holcus* spp.). **Red List status:** –.

***Aphrodes bicincta* (Schrank, 1776)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79) [cited as *A. makarovi*, misidentified].

**Material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Bylnice, Na Stráži (25), 11.vii.2006, 4 ♂♂, IM. Korytná, Březí (46), 5.vii.2001, 2 ♂♂, IM. Horní Němčí, Vinohrádky (49), 20.vii.2002, 1 ♂, IM. 22.v.–22.vi.2003, 14 larvae, PT, KR; 22.vi.–24.vii.2003, 129 ♂♂ 11 ♀♀ 4 larvae, PT, KR; 24.vii.–22.viii.2003, 28 ♂♂ 2 ♀♀, PT, KR. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂; 8.viii.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 5 ♂♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.viii.2000, 1 ♂, PK. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 10.ix.2008, 1 ♂, IM. Kněždub, Čertoryje NNR (77, 79), 14.vii.1998, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂; 27.vii.2000, 3 ♂♂ 7 ♀♀; all IM & PK. Hrubá Vrbka, village (83), 8.–12.vii.2009, 2 ♂♂, ZM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.viii.2000, 1 ♂ 1 ♀, PK. Suchov, Suchovské Mlýny (89), 27.vii.2005, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 27.vii.2005, 4 ♂♂, IM; 4.vii.–6.viii.2005, 1 ♂ 1 ♀; 6.viii.–8.ix.2005, 1 ♂ 2 ♀♀; all PT, KR. Javorník, Machová NR (102), 9.vii.1998, 2 ♂♂, IM. Strání, Záhumenice NM (104), 9.viii.2001, 3 ♂♂ 3 ♀♀, PK; 20.vii.2002, 5 ♂♂ 16 ♀♀, IM; 22.vi.–24.vii.2003, 39 ♂♂ 6 ♀♀, PT, KR; 24.vii.–22.viii.2003, 5 ♂♂ 5 ♀♀, PT, KR.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in pastures, dry ruderal sites, abandoned fields and quarries and on waysides. **General distribution:** Eurosiberian. **Host plants:** Various Fabaceae. **Red List status:** –.

**Comments.** Most records previously published under this name from the Czech Republic should be checked after TISHECHKIN (1998) as they may partly concern *A. diminuta* and *A. makarovi*.

***Aphrodes diminuta* Ribaut, 1952**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). [All cited as *Aphrodes bicinctus*, misidentified].

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♀♀, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂,



#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 3 ♂♂, IM. Brumov, Uhličky (14), 30.vi.2004, 12 larvae, IM; 28.v.2005, 1 larva, IM; 28.vii.2005, 1 ♂ 2 ♀♀, PK; 7.ix.–6.x.2005, 2 ♀♀, PT, KR. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 1 ♀; 28.v.2005, 3 larvae; 28.vii.2005, 1 ♂ 2 larvae; all IM; 16.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 8 ♂♂ 1 ♀, IM; 16.viii.2006, 2 ♀♀, PK. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♀, IM; 28.v.2005, 3 larvae, IM; 28.vii.2005, 2 ♂♂ 4 ♀♀, PK; 4.ix.2005, 1 ♀, PK; 3.vi.–4.vii.2005, 5 larvae; 4.vii.–6.viii.2005, 3 ♂♂ 2 larvae; 6.viii.–7.ix.2005, 2 ♀♀; all PT, KR. Bylnice, Na Stráži (25), 11.vii.2006, 3 ♂♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1998, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 larva; 1.ix.2004, 4 ♂♂ 11 ♀♀ 1 larva; 5.x.2004, 3 ♀♀; 28.vii.2005, 51 ♂♂ 12 ♀♀ 15 larvae; 6.ix.2005, 1 ♂ 4 ♀♀; all IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, PK; 21.vii.2002, 11 ♂♂ 2 ♀♀ 1 larva, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 6 larvae, IM; 24.vii.2005, 8 ♂♂ 10 larvae, IM; 26.vii.–26.viii.2005, 6 ♂♂ 1 ♀ 1 larva, PT, KR. Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♂ 1 ♀, IM; 26.vii.–26.viii.2005, 7 ♂♂, PT, KR; 26.viii.–28.ix.2005, 1 ♀, PT, KR. Vyškovec, Pod Hřibovňou NM (70), 24.vii.2005, 1 ♂, PK. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 28.vii.2001, 2 ♂♂, IM; 12.viii.2008, 1 ♂ 1 ♀, KD & KF; 10.ix.2008, 1 ♂ 1 ♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 12.viii.2008, 1 ♂, KD & KF. Kněždub, Čertoryje NNR (77, 79), 14.vii.1998, 3 ♂♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 3 ♂♂ 4 ♀♀ 1 larva, IM. Suchov, Trnovský Mlýn (90), 27.vii.2005, 4 ♂♂, IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 1 ♂; 17.vii.2002, 3 ♂♂ 2 ♀♀; all IM; 17.vi.–19.vii.2003, 1 ♂, PT, KR. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂; 9.ix.1998, 1 ♂; both IM. Javorník, Machová NR (102), 9.vii.1998, 3 ♂♂, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♂ 1 ♀, PK; 20.vii.2002, 10 ♂♂ 9 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in non-intensively used meadows and pastures throughout the area. **General distribution:** European. **Host plants:** Probably various Fabaceae. **Red List status:** –.

**Comments.** *Aphrodes diminuta* had been partly cited under *A. bicincta* in previous Czech literature including the records from the Bílé Karpaty by LANG (1945a) and MALENOVSKÝ (2001). The species, as interpreted after TISHECHKIN (1998; see NICKEL & REMANE 2002 for nomenclature), is probably widely distributed in the country; additional confirmed records are e.g. from central and northern Bohemia (MALENOVSKÝ 2006).

#### *Aphrodes makarovi* Zachvatkin, 1948

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Brumov, Kloboucká street (24), 28.vii.2005, 1 ♂, PK. Bylnice, railway station environs (27), 1.vii.1999, 2 ♂♂ 2 ♀♀, MH & PK. Horní Němčí, village (44), 30.vi.2001, 2 ♂♂, IM. Horní Němčí, Vinohrádky (49), 20.vii.2002, 9 ♂♂ 4 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 1 ♀, IM. Vyškovec, Pod Hřibovňou NM (70), 24.vii.2005, 1 ♂, PK. Radějov, Žerotín NM (73), 11.vii.1998, 3 ♂♂, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 3 ♂♂; 28.vii.2001, 2 ♂♂; all IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♂ 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in eutrophicated, mesic to wet habitats, e.g. ruderal sites, forest undergrowth, fertilized meadows, intensively used pastures, in the vicinity of streams and ponds etc. **General distribution:** European. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. *Urtica dioica*, *Taraxacum*, *Cirsium*, and *Rumex* spp.). **Red List status:** –.

***Arboridia ribauti* (Ossiannilsson, 1937)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♀, PK. Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM; 16.vi.2006, 1 ♀, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 5.x.2004, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♀; both IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♀, IM & PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂ 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 11 ♂♂ 6 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂, IM. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common along forest margins throughout the area, although usually collected in low numbers of specimens. **General distribution:** European. **Host plants:** Deciduous trees (mainly *Carpinus betulus*). **Red List status:** —.

***Arocephalus (Ariellus) punctum* (Flor, 1861) (VU)**

**Material examined.** Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 2 ♂♂; 12.vii.2006, 1 ♂ 2 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and extremely local: recorded from a small fragment of heathland on acidic soil at a forest margin in the north-easternmost tip of the area. **General distribution:** European. **Host plants:** Fine-leaved *Festuca* spp. **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *A. punctum* is a widespread but quite rare species occurring locally from medium to submontane altitudes in pastures, undergrowth of open (e.g. pine) forests, inland sand dunes and dry grassland on rocks. It has been recorded from the foothills of the Krkonoše Mts. in north-eastern Bohemia, the Bohemian Karst in central Bohemia, the Třeboňsko PLA in southern Bohemia, the Jeseníky Mts. in northern Moravia, the Bohemian-Moravian Highlands and the Rokytná River valley near Moravský Krumlov in south-western Moravia (DLABOLA 1954, LAUTERER *et al.* 2002, and unpublished data from the collections of the Moravian Museum, Brno).

***Arocephalus (Arocephalus) languidus* (Flor, 1861)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 4 ♂♂ 1 ♀, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 9 ♂♂ 2 ♀♀ 1 larva, IM; 24.viii.2002, 8 ♂♂ 1 ♀, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 3 ♀♀, IM; 1.ix.2004, 3 ♂♂, IM; 4.ix.2005, 1 ♂ 1 ♀, PK. Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 3 ♂♂ 3 ♀♀; 6.ix.2005, 3 ♂♂ 2 ♀♀; all IM. Brumov, Kloboucká street (24), 4.ix.2005, 2 ♂♂, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂ 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♀, IM. Hluk, Kobyílí hlava NM (35), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 16.viii.2009, 1 ♂, PB. Horní Němčí, village (44), 10.ix.1998, several ♂♂ ♀♀, IM. Korytná, Březí (46), 5.vii.2001, 3 ♂♂ 5 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

(48), 30.vi.2001, 4 ♂♂ 4 ♀♀, IM & PK; 21.ix.2001, 1 ♂ 1 ♀, PK; 21.vii.2002, 3 ♂♂ 4 ♀♀ 11 larvae, IM; 10.ix.2002, 3 ♂♂ 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 12 ♂♂ 4 ♀♀, IM; 13.viii.2001, 2 ♂♂ 3 ♀♀ 4 larvae, PK; 21.ix.2001, 1 ♂, PK; 20.vii.2002, 3 ♂♂, IM; 10.ix.2002, 1 ♂ 6 ♀♀, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♂, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 2 ♂♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 1 ♀, IM & PK; 20.vii.2002, 2 ♀♀, IM. Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♂ 2 ♀♀, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 3 ♂♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 9 ♂♂ 14 ♀♀, IM; 19.viii.2004, 7 ♂♂ 7 ♀♀, PK; 25.ix.2004, 10 ♂♂ 10 ♀♀, PK; 24.vii.2005, 1 ♀, PK; 3.ix.2005, 30 ♂♂ 25 ♀♀, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 1 ♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂; 8.ix.1998, 1 ♂ 3 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♂ 2 ♀♀, IM; 18.viii.2004, 2 ♂♂ 3 ♀♀, PK; 1.x.2004, 1 ♀, IM; 27.vii.2005, 1 ♂, IM; 1.ix.2005, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 4 ♀♀, IM; 16.viii.2004, 7 ♂♂ 1 ♀, PK; 1.x.2004, 3 ♀♀, IM; 27.vii.2005, 2 ♂♂ 3 ♀♀, IM; 1.ix.2005, 26 ♂♂ 12 ♀♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 2 ♂♂ 2 ♀♀, PL. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♀, PL. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 5 ♀♀; 10.ix.2000, 1 ♂ 3 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 12 ♂♂ 11 ♀♀; 2.ix.2004, 143 ♂♂ 51 ♀♀; 1.x.2004, 10 ♂♂ 15 ♀♀; 26.v.2005, 2 ♂♂; 27.vii.2005, 11 ♂♂ 5 ♀♀; 1.ix.2005, 33 ♂♂ 18 ♀♀; all IM. Strání, Záhumenice NM (104), 2.vii.2001, 8 ♂♂ 3 ♀♀, PK; 21.ix.2001, 24 ♂♂ 6 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in sunny meadows and pastures, in fragments of dry grassland and along forest margins. **General distribution:** Palaearctic. **Host plants:** Tall-growing Poaceae (e.g. *Brachypodium pinnatum*, *Bromus erectus*, *Sesleria albicans*, *Stipa* spp.). **Red List status:** –.

#### *Arocephalus (Arocephalus) longiceps* (Kirschbaum, 1868)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 5 ♂♂ 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♀, IM; 13.ix.1999, 1 ♂ 1 ♀, IM; 1.vi.2002, 51 ♂♂ 27 ♀♀, IM; 24.viii.2002, 13 ♂♂ 5 ♀♀, PK; 17.viii.2006, 7 ♂♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 23.viii.2002, 2 ♀♀, PK. Brumov, Uhličky (14), 5.x.2004, 1 ♂, IM; 4.ix.2005, 1 ♂, PK. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 1 ♂, IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 4 ♂♂ 3 ♀♀, IM. Korytná, Břeží (46), 5.vii.2001, 6 ♂♂ 6 ♀♀, IM. Horní Němčí, Lesná hill (51), 15.v.1998, 1 ♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 12 ♂♂ 5 ♀♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂; 10.ix.1998, 2 ♂♂ 1 ♀; all IM. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂, PL. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 2 ♀♀; 8.viii.2007, 1 ♂; all IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 1 ♂, PK; 25.ix.2004, 10 ♂♂ 2 ♀♀, PK; 3.ix.2005, 6 ♂♂ 4 ♀♀ 1 larva, PK. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♀, IM; 17.viii.2000, 1 ♂, PK; 22.vi.2001, 1 ♀, IM & PK. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 2 ♂♂, PK. Radějov, Kútky NR (86), 25.vi.1979, 1 ♀, PL. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂; 24.v.2002, 1 ♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♂; 7.ix.2002, 1 ♂; both IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 2 ♂♂, PL. Strání, Javorina NNR (106), 4.vii.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in meadows, pastures, forest glades, along forest roads etc. **General distribution:** European. **Host plants:** Poaceae (mainly *Holcus mollis*, *H. lanatus* and *Bromus erectus*). **Red List status:** –.

***Arthaldeus arenarius* Remane, 1960**

**Material examined.** Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂, IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♂, LP.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: recorded only in two sites (one of them being a dry slope, formerly used as a pasture) in the north-eastern part of the area. **General distribution:** Central Europe, Russia, Kazakhstan. **Host plant:** *Calamagrostis epigejos*. **Red List status:** –.

***Arthaldeus pascuellus* (Fallén, 1826)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64); Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 3 ♂♂ 5 ♀♀, IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 8 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 2 ♂♂ 1 ♀, IM; 11.ix.1999, many ♂♂ ♀♀, IM; 24.viii.2002, 1 ♂, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 3 ♂♂ 14 ♀♀, MH; 9.ix.1999, 19 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 3 ♂♂ 4 ♀♀, IM; 13.ix.1999, 15 ♂♂ 5 ♀♀, IM; 1.vi.2002, 286 ♂♂ 110 ♀♀ 8 larvae, IM; 24.viii.2002, 113 ♂♂ 21 ♀♀, PK; 17.viii.2006, 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂, PK; 9.ix.1999, 1 ♂, IM; 11.vii.2006, 6 ♂♂ 8 ♀♀, IM. Brumov, Uhličky (14), 30.vi.2004, 20 ♂♂ 16 ♀♀ 5 larvae; 1.ix.2004, 6 ♂♂ 8 ♀♀; 5.x.2004; 3 ♂♂ 11 ♀♀; 28.v.2005, 1 larva; all IM; 28.vii.2005, 1 larva; 4.ix.2005, 7 ♂♂ 2 ♀♀; all PK; 3.vi.–4.vii.2005, 1 ♂; 7.ix.–6.x.2005, 1 ♂; both PT, KR. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 3 ♂♂ 2 ♀♀; 10.ix.1999, 3 ♂♂; 1.ix.2004, 1 ♀; 6.ix.2005, 22 ♂♂ 4 ♀♀ 2 larvae; all IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂ 2 ♀♀; 2.ix.2004, 7 ♂♂; 5.x.2004, 3 ♂♂ 4 ♀♀; all IM; 28.vii.2005, 3 ♀♀; 4.ix.2005, 20 ♂♂ 5 ♀♀; all PK; 7.ix.–6.x.2005, 1 ♂, PT, KR. Bylnice, Bylničky (26), 24.vi.1982, 3 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 9 ♂♂ 12 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 2 ♂♂ 1 ♀, PK; 12.ix.1999, many ♂♂ ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 19 ♂♂ 3 ♀♀; 30.vi.2004, 3 ♂♂; 1.ix.2004, 19 ♂♂ 23 ♀♀ 27 larvae; 5.x.2004, 65 ♂♂ 99 ♀♀ 22 larvae; 28.vii.2005, 7 ♂♂ 16 ♀♀; 6.ix.2005, 103 ♂♂ 28 ♀♀ 18 larvae; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 11 ♂♂ 5 ♀♀, IM. Louka, Hloží NR (42), 7.ix.1998, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂, PL. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 1 ♀, IM. Horní Němčí, Vínohrádky (49), 30.vi.2001, 1 ♀, IM; 13.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♂, PK; 10.ix.2002, 1 ♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 9 ♂♂ 27 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 4 ♀♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 2 ♀♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Dúbrava hill (62), 7.vii.1980, 1 ♀, PL. Lopeník, U Zvonice NM (63), 3.ix.2005, 5 ♂♂ 1 larva, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 23 ♂♂ 7 ♀♀ 4 larvae, IM; 25.ix.2004, 28 ♂♂ 15 ♀♀ 1 larva, IM; 24.vii.2005, 6 ♂♂ 3 ♀♀, IM; 3.ix.2005, 13 ♂♂ 2 ♀♀ 4 larvae, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 6 ♀♀; 8.viii.2007, 12 ♂♂ 5 ♀♀; 22.ix.2007, 4 ♂♂ 14 ♀♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂, IM; 25.ix.2004, 6 ♂♂ 4 ♀♀, PK; 3.ix.2005, 5 ♂♂ 5 ♀♀, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 2 ♂♂ 2 ♀♀ 2 larvae, IM; 25.ix.2004, 67 ♂♂ 57 ♀♀ 22 larvae, PK; 8.ix.2005, 29 ♂♂ 3 ♀♀ 2 larvae, IM. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 8 ♂♂ 3 ♀♀, PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, many ♂♂ 2 ♀♀, IM; 20.viii.2002, 1 ♂, PK. Radějov, Veselka hill (85), 11.vii.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 9 ♂♂ 3 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♀, IM. Javorník, village (92), 8.viii.2001, 1 ♀, PK; 24.v.2002, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 4 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, many ♂♂ ♀♀; 10.ix.2000, 13 ♂♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 9 ♂♂ 1 ♀; 1.x.2004, 3 ♀♀; 1.ix.2005, 1 ♂; all IM. Nová Lhota, Fojtické Mlýny (98),

## Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

7.vii.1980, 2 ♀♀. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 5 ♂♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 23 ♂♂ 15 ♀♀, IM; 9.viii.2001, 1 ♀, PK; 21.ix.2001, 78 ♂♂ 28 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 3 ♂♂ 2 ♀♀; 29.x.2011, 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in mesic to wet meadows (including fertilized ones), pastures and ruderal sites throughout the area. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Festuca*, *Lolium*, *Poa*, *Calamagrostis* spp.). **Red List status:** –.

### *Arthaldeus strüfrons* (Kirschbaum, 1868)

**Published records.** LANG (1945a): Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 6 ♂♂ 1 ♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂ 1 ♀, MH; 9.ix.1999, 9 ♂♂ 4 ♀♀, IM. Poteč, Ploštiny NR (12), 24.viii.2002, 3 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♀, PK; 9.ix.1999, 1 ♀, IM. Brumov, Uhličky (14), 5.x.2004, 1 ♂, IM. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 6 ♂♂ 5 ♀♀; 10.ix.1999, 5 ♂♂ 5 ♀♀; 30.vi.2004, 1 ♂; all IM. Brumov, Kloboucká street (24), 30.vi.2004, 2 ♀♀, IM; 4.vii.–6.viii.2005, 1 ♂, PT, KR; 4.ix.2005, 2 ♂♂ 1 larva, PK. Bylnice, Bylničky (26), 24.vi.1982, 9 ♂♂ 10 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 12 ♂♂ 4 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂; 28.v.2005, 1 ♂; 6.ix.2005, 4 ♂♂ 1 ♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 3 ♂♂ 5 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 3 ♂♂ 3 ♀♀, PL. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂ 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 7 ♂♂ 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 3 ♂♂ 3 ♀♀, IM & PK; 21.ix.2001, 1 ♂ 2 ♀♀, PK; 10.ix.2002, 1 ♂ 2 ♀♀, IM; 10.ix.2002, 3 ♂♂, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 2 ♂♂ 3 ♀♀, IM; 13.viii.2001, 3 ♂♂ 3 ♀♀ 10 larvae, PK; 21.ix.2001, 5 ♂♂ 2 ♀♀ 1 larva, PK; 23.v.2002, 1 larva, IM & PK; 20.vii.2002, 1 larva, IM; 10.ix.2002, 10 ♂♂ 6 ♀♀, IM; 22.v.–22.vi.2003, 1 larva, PT, KR; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀; 10.ix.1998, many ♂♂ ♀♀; all IM. Strání, Obecnice hill (60), 2.vii.2001, 2 ♂♂ 5 ♀♀, IM & PK; 21.ix.2001, 1 ♂ 2 ♀♀, IM. Strání, Důbrava hill (62), 7.vii.1980, 2 ♀♀, PL. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 4 larvae, IM; 25.ix.2004, 9 ♂♂ 5 ♀♀, IM; 24.vii.2005, 3 ♂♂ 2 ♀♀, IM; 3.ix.2005, 6 ♂♂ 3 ♀♀ 3 larvae, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂; 22.ix.2007, 2 ♀♀; all IM. Výškovec, Výškovecké Bošačky (69), 27.vi.2004, 2 ♂♂ 3 ♀♀ 1 larva, IM; 25.ix.2004, 5 ♂♂ 11 ♀♀, PK; 24.vii.2005, 1 ♀, PK; 3.ix.2005, 26 ♂♂ 6 ♀♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK; 8.ix.2000, 74 ♂♂ 28 ♀♀, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 3 ♂♂ 3 ♀♀, IM; 20.viii.2002, 1 ♂ 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Radějov, Kútky NR (86), 8.ix.1998, 8 ♂♂ 12 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 6 ♂♂ 5 ♀♀; 9.–10.ix.2000, 3 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♀; 1.ix.2005, 25 ♂♂ 5 ♀♀ 11 larvae; all IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂ 3 ♀♀, PL. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, many ♂♂ ♀♀; 10.ix.2000, 6 ♂♂ 5 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂ 1 ♀ 1 larva; 2.ix.2004, 21 ♂♂ 1 ♀ 2 larvae; 1.x.2004, 1 ♂ 4 ♀♀; 1.ix.2005, 9 ♂♂ 1 ♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀; 9.ix.1998, 1 ♀; both IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂ 1 ♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♀, PL. Strání, Záhumenice NM (104), 2.vii.2001, 150 ♂♂ 140 ♀♀, IM; 9.viii.2001, 1 ♂ 1 ♀ 2 larvae, PK; 21.ix.2001, 394 ♂♂ 129 ♀♀ 22 larvae, IM. Strání, Javorina NNR (106), 4.vii.2001, 6 ♂♂ 4 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in mesic to wet meadows, pastures and ruderal sites throughout the area. **General distribution:** Palaearctic. **Host plants:** Poaceae (mainly *Festuca* and *Lolium* spp.). **Red List status:** –.

#### *Artianus interstitialis* (Germar, 1821)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploščiny NR (12), 17.viii.2006, 1 ♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂ 1 ♀, IM. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 1 ♀, IM. Radějov, Žerotín NM (73), 9.viii.2002, 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀; 28.vii.2001, 2 ♀♀; all IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 20.vii.2002, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite local; in dry ruderal sites (e.g. abandoned quarries and fields and roadside vegetation) and disturbed dry grassland (e.g. in pastures). **General distribution:** West Palaearctic. **Host plants:** Poaceae (e.g. *Elytrigia repens*). **Red List status:** –.

#### *Athysanus argentarius* Metcalf, 1955

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♀ 1 larva, MH. Poteč, Ploščiny NR (12), 1.vi.2002, 2 larvae, IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂, PK; 11.vii.2006, 1 ♂ 1 ♀, IM; 14.viii.2006, 1 ♀, PK. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 6 ♂♂ 2 ♀♀, IM; 10.ix.1999, 2 ♀♀, IM; 16.viii.2006, 1 ♂, PK. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂♂ 2 larvae, IM; 28.v.2005, 1 larva, IM; 28.vii.2005, 1 ♂ 1 ♀, PK; 4.ix.2005, 3 ♀♀, PK. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♀, IM. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂, IM; 21.vii.2002, 2 ♂♂, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 larva, IM; 24.vii.2005, 3 ♂♂ 1 ♀, IM; 26.vii.–26.viii.2005, 1 ♀, PT, KR; 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂, IM. Výškovec, Výškovecké Bošačky (69), 27.vi.2004, 4 larvae, IM; 3.ix.2005, 1 ♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 1 ♂ 1 ♀, IM & PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 2 ♂♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂ 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 3 ♀♀, IM. 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 1 ♀, IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 2 ♂♂, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 1 larva; 27.vii.2005, 1 ♀; all IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♀; both IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Javorník, Machová NR (102), 9.vii.1998, 2 ♂♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂ 3 larvae, IM & PK; 23.v.2002, 5 larvae, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common among tall grass, e.g. in meadows and non-intensively used pastures throughout the area. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Arrhenatherum elatius*, *Calamagrostis* spp., *Elytrigia repens*, *Dactylis glomerata*, *Festuca arundinacea*, *Holcus* spp., *Deschampsia cespitosa*). **Red List status:** –.

***Athysanus quadrum* Boheman, 1845**

(VU)

(Fig. 6)

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). **Additional material examined.** Hluk, Babí hora NM (36), 24.viii.2002, 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 larvae, IM; 13.viii.2001, 1 ♀, PK; 21.ix.2001, 1 ♀, PK; 21.vii.2002, 1 ♀, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 larva, IM; 25.ix.2004, 1 ♀; 24.vii.2005, 6 ♂♂, IM; 26.vii.–26.viii.2005, 1 ♂, PT, KR. Vyškovec, Vyškovecké Bošачky (69), 27.vi.2004, 2 larvae, IM; 24.vii.2005, 1 ♂, PK; 3.ix.2005, 1 ♀, PK. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 1 ♀, PK; 24.vii.2005, 1 ♀, PK; 8.ix.2005, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM; 19.vi.2000, 2 ♂♂, PK. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 larva, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the central and south-western parts of the area; relatively frequent there (but usually recorded in low numbers of specimens) in species-rich, dry or intermittently wet grassland. **General distribution:** Eurosiberian. **Host plants:** Unknown. **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *A. quadrum* is a relatively widespread but uncommon and local species, occurring usually in open grassland sites on heavy soils, typically ranging from broad-leaved dry grasslands of the *Bromion/Cirsio-Brachypodium* alliances to intermittently wet meadows (*Molinion*) or even peaty sites. Besides the Bílé Karpaty PLA, there are additional, mostly unpublished records also from southern, central and north-western Bohemia (the Šumava Mts. – LAUTERER & NOVOTNÝ 1991, the Blanský les Mts. and the Elbe and Jizera River basins).

***Balcanocerus larvatus* (Herrich-Schäffer, 1837)**

**Material examined.** Hluk, Babí hora NM (36), 24.viii.2002, 1 ♀, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 2 ♀♀, PL. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♀, PL. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 3 ♂♂ 3 ♀♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 27.vii.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps largely restricted to the warm, south-western part of the area; on sunny forest margins and scrub along roads or scattered in dry grassland. **General distribution:** Southern half of Europe. **Host plant:** *Prunus spinosa*. **Red List status:** –.

***Balclutha calamagrostis* Ossiannilsson, 1961**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). [All cited as “*Balclutha punctata* Thunbg.”, partly misidentified]. **Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 2 ♂♂ 1 ♀; 9.ix.1999, 16 ♂♂ 9 ♀♀; all IM. Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♀; 10.ix.1999, 5 ♂♂ 8 ♀♀; all IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 18 ♂♂ 11 ♀♀, IM; 11.ix.1999, 6 ♂♂, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 6 ♂♂ 1 ♀; 2.vii.1999, 1 ♂; 10.ix.1999, 1 ♂ 9 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 3 ♂♂ 2 ♀♀, IM; 30.vi.1999, 2 ♀♀, MH; 9.ix.1999, 3 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 9 ♂♂ 4 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♂♂ 2 ♀♀, IM. Poteč, Plošiny NR (12), 1.vi.2002, 45 ♂♂ 38 ♀♀, IM; 24.viii.2002, 24 ♂♂ 21 ♀♀, PK; 17.viii.2006, 3 ♂♂ 6 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 3 ♂♂, IM;

9.ix.1999, 1 ♂ 5 ♀♀, IM; 16.vi.2006, 3 ♂♂ 11 ♀♀, IM; 11.vii.2006, 6 ♀♀, IM; 14.viii.2006, 2 ♀♀, PK. Brumov, Uhličky (14), 1.ix.2004, 4 ♂♂ 5 ♀♀; 5.x.2004; 4 ♂♂ 5 ♀♀; 28.v.2005, 6 ♂♂ 2 ♀♀; all IM; 28.vii.2005, 1 ♀; 4.ix.2005, 3 ♂♂ 1 ♀; all PK. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 2 ♂♂ 5 ♀♀; 3.vii.1999, 1 ♂; 10.ix.1999, many ♂♂ ♀♀; 30.vi.2004, 1 ♂ 1 ♀; 5.x.2004, 8 ♂♂ 1 ♀; 28.v.2005, 2 ♂♂; 28.vii.2005, 2 ♀♀ 5 larvae; all IM; 25.vi.2002, 4 ♂♂ 1 ♀; 16.viii.2006, 5 ♂♂ 1 ♀; all PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♀♀, IM; 16.viii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 2.ix.2004, 3 ♀♀, IM; 28.v.2005, 1 ♀, IM; 4.ix.2005, 1 ♂ 4 ♀♀, PK. Bylnice, railway station environs (27), 21.v.1999, 1 ♀, 11.ix.1999, 2 ♂♂, all IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 10 ♂♂ 6 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂; 1.ix.2004, 9 ♂♂ 5 ♀♀; 5.x.2004, 115 ♂♂ 152 ♀♀; 28.v.2005, 25 ♂♂ 10 ♀♀; 28.vii.2005, 1 ♂; 6.ix.2005, 3 ♂♂ 8 ♀♀; all IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 18 ♂♂ ♀♀, PB. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂ 1 ♀, IM; 13.viii.2001, 1 ♀, PK. Horní Němčí, Vinohradky (49), 30.vi.2001, 1 ♂, IM; 10.ix.2002, 1 ♂ 2 ♀♀, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 4 ♂♂ 6 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂ 7 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 5 ♂♂ 7 ♀♀; 10.ix.1998, 2 ♂♂; all IM. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂ 1 ♀, PL. Lopeník, U Zvonice NM (63), 25.ix.2004, 2 ♂♂, IM; 21.v.2005, 1 ♂; 3.ix.2005, 3 ♂♂ 2 ♀♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 10 ♂♂ 9 ♀♀, IM; 21.v.2005, 1 ♂ 2 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 3 ♂♂ 3 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 14 ♂♂ 7 ♀♀; 22.ix.2007, 5 ♂♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 8.viii.2007, 1 ♂ 1 ♀; 22.ix.2007, 1 ♂; all IM. Vyškovce, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂ 2 ♀♀, IM; 19.viii.2004, 2 ♂♂ 2 ♀♀, PK; 25.ix.2004, 4 ♂♂ 10 ♀♀, PK; 21.v.2005, 1 ♀, IM; 3.ix.2005, 2 ♂♂ 4 ♀♀, PK. Vyškovce, Pod Hřibovňou NM (70), 28.vi.2004, 16 ♂♂ 4 ♀♀, IM; 19.viii.2004, 1 ♂ 1 ♀, PK; 25.ix.2004, 1 ♂ 1 ♀, PK; 21.v.2005, 1 ♀, IM; 24.vii.2005, 1 ♂ 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, many ♂♂ ♀♀; 28.vii.2000, 1 ♀; 20.ix.2001, 1 ♀; all IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 2.vi.2008, 22.vi.2008, 12.viii.2008, 10.ix.2008, 7.vi.2010, many ♂♂ ♀♀, IM, KD & KF. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 13 ♂♂ 20 ♀♀, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♂♂ 1 ♀, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂ 2 ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, many ♂♂ ♀♀, IM. Radějov, Kůtky NR (86), 11.vii.1998, 8 ♂♂ 4 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 6 ♂♂ 7 ♀♀; 1.x.2004, 15 ♂♂ 13 ♀♀; 26.v.2005, 1 ♀; 27.vii.2005, 1 larva, IM; 1.ix.2005, 1 ♂ 3 ♀♀; all IM. Suchov, Trnovský Mlýn (90), 1.ix.2005, 2 ♂♂ 1 ♀, IM. Javorník, loampit W of village (95), 24.v.2002, 7 ♂♂ 3 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 7.ix.2002, 2 ♂♂; 27.vii.2005, 1 ♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 6 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, many ♂♂ ♀♀; 29.x.2011, 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in neglected parts of meadows and pastures, ruderal sites and forest glades. **General distribution:** Central and northern Europe. **Host plants:** *Calamagrostis epigejos*, *C. pseudophragmites*. **Red List status:** –.

### *Balclutha punctata* (Fabricius, 1775)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♂, PK. Valašské Klobouky, U Rybníků (6), 22.v.1999, 1 ♂ 1 ♀; 10.ix.1999, 1 ♀; all IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 2 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka



#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

brook valley (9), 30.vi.1999, 3 ♂♂ 38 ♀♀, MH; 9.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂ 3 ♀♀, IM. Poteč, Ploštiny NR (12), 17.viii.2006, 3 ♂♂, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 3 ♀♀, IM. Brumov, Uhličky (14), 30.vi.2004, 1 ♂; 28.v.2005, 1 ♀; both IM. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♂; 6.ix.2005, 4 ♂♂ 6 ♀♀; all IM; 16.viii.2006, 1 ♂, PK. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 2 ♂♂ 9 ♀♀, IM. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂; 1.ix.2004, 1 ♂ 2 ♀♀; 28.v.2005, 1 ♂ 1 ♀; 28.vii.2005, 1 ♀ 1 larva; all IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂, PL. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♂, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Lopeník, U Zvonice NM (63), 27.vi.2004, 86 ♂♂ 24 ♀♀, IM; 25.ix.2004, 3 ♂♂ 6 ♀♀, IM; 24.vii.2005, 3 ♂♂ 7 ♀♀ 1 larva, IM; 3.ix.2005, 3 ♂♂ 1 ♀, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♀, IM; 3.ix.2005, 4 ♀♀, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂ 6 ♀♀, IM. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 1 ♀, PK; 8.ix.2005, 4 ♂♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 10.ix.2008, 1 ♂ 1 ♀ 1 larva; 7.vi.2010, 1 ♀; all IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂ 3 ♀♀, IM; 20.viii.2002, 1 ♂, PK. Suchov, Suchovské Mlýny (89), 27.vii.2005, 1 ♀ 1 larva, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♂ 2 ♀♀; 27.vii.2005, 1 ♂; 1.ix.2005, 2 ♂♂; all IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 2 ♂♂; 28.x.2011, 1 ♂; all IM. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♀, PL. Strání, Javorina NNR (106), 29.x.2011, 5 ♂♂ 8 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area but perhaps more frequent and abundant in its relatively cooler north-eastern part and at higher elevations; in meadows and pastures, along forest margins and in forest undergrowth. **General distribution:** Holarctic and Oriental. **Host plants:** Poaceae (e.g. *Avenella flexuosa*, *Agrostis capillaris*, *Calamagrostis epigejos*, *Holcus mollis*). **Red List status:** –.

#### *Balclutha rhenana* Wagner, 1939

**Material examined.** Valašské Klobouky, Královec hill (11), 13.ix.1999, many ♂♂ ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 5 ♂♂ 6 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected at two isolated sites in the north-eastern and south-western parts of the area in a wet forest glade and in a brook floodplain; perhaps under-recorded. **General distribution:** Eurosiberian. **Host plant:** *Phalaris arundinacea*. **Red List status:** –.

#### *Balclutha saltuella* (Kirschbaum, 1868)

**Material examined.** Horní Němčí, Drahy NR (48), 10.ix.2002, 2 ♂♂, IM. Horní Němčí, Vinohrádky (49), 10.ix.2002, 1 ♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 22.ix.2007, 1 ♀; both IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded in low numbers of specimens from a few sites in the south-western/central parts of the area; in disturbed dry grassland, intensively used cattle pastures and an abandoned quarry. **General distribution:** Southern parts of central Europe, southern Europe, otherwise cosmopolitan. **Host plants:** Probably various Poaceae. **Red List status:** –.

***Batracomorphus allionii* (Turton, 1802)****(EN)****Published record.** LAUTERER (1978): Luhačovice (2).**Additional material examined.** Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♂, PB. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂, PK. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 12.viii.2008, 1 ♀, KD & KF. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM.**Distribution and frequency in the Bílé Karpaty PLA:** Local and rare: recently found in several, quite xerothermic sites in the south-western and central parts of the area: fragments of dry grassland, dry species-rich meadows and at a sunny forest margin in an abandoned quarry. **General distribution:** Eurosiberian. **Host plants:** Woody species of Fabaceae (e.g. *Cytisus scoparius*, *Genista tinctoria*; in the Bílé Karpaty PLA perhaps on *Cytisus nigricans* and/or *Chamaecytisus* spp.). **Red List status:** Endangered.**Comments.** In the Czech Republic, *B. allionii* is a rarely collected species with only three previously published records from eastern and southern Moravia (Luhačovice, Napajedla and Sedlec – LAUTERER 1978). Based on unpublished material from recent field surveys by I. Malenovský, it is present also in the environs of Brno and in north-western Bohemia.***Chlorita paolii* (Ossiannilsson, 1939)****Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).**Additional material examined.** Lipová, towards Haluzice (4), 21.viii.1984, 1 ♂, PL. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 2 ♀♀, IM; 1.vi.2002, 1 ♂ 2 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 2 ♀♀. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 1 ♀; 1.ix.2004, 2 ♂♂ 4 ♀♀; 5.x.2004, 1 ♂ 5 ♀♀; 28.v.2005, 1 ♂; all IM; 28.vii.2005, 6 ♂♂ 3 ♀♀; 4.ix.2005, 4 ♂♂ 8 ♀♀; all PK. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 4 ♂♂ 2 ♀♀; 1.ix.2004, 3 ♂♂ 10 ♀♀; 5.x.2004, 2 ♂♂ 7 ♀♀, 3 larvae; 28.v.2005, 5 ♂♂ 10 ♀♀; 28.vii.2005, 8 ♂♂ 6 ♀♀ 2 larvae; 6.ix.2005, 8 ♂♂ 11 ♀♀ 2 larvae; 17.vi.2006, 1 ♂; all IM; 16.viii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂ 2 ♀♀; 28.v.2005, 1 ♂; all IM. Bylnice, Na Stráži (25), 16.vi.2006, 3 ♂♂ 6 ♀♀, IM; 11.vii.2006, 5 ♀♀, IM; 18.viii.2006, 1 ♀, PK. Bylnice, railway station environs (27), 21.v.1999, 6 ♂♂ 3 ♀♀; 11.ix.1999, 5 ♂♂ 3 ♀♀; all IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 4 ♂♂ 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂ 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 3 ♀♀; 16.viii.2009, 2 ♂♂ 2 ♀♀; all PB. Korytná, Břeží (46), 5.vii.2001, 7 ♂♂ 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 13.viii.2001, 2 ♀♀, PK; 21.ix.2001, 1 ♀, PK; 10.ix.2002, 2 ♂♂ 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 4 ♂♂ 6 ♀♀ 2 larvae, IM; 13.viii.2001, 6 ♂♂ 11 ♀♀ 3 larvae, PK; 21.ix.2001, 6 ♂♂ 6 ♀♀, PK; 20.vii.2002, 5 ♂♂ 8 ♀♀, IM; 10.ix.2002, 49 ♂♂ 38 ♀♀ 1 larva, IM. Bánov, Skalky hill (52), 21.viii.1984, 3 ♂♂, PL. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 2 ♂♂ 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♂♂ 7 ♀♀, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 24.v.2001, 9 ♂♂ 6 ♀♀, IM; 2.vii.2001, 4 ♂♂ 3 ♀♀, IM & PK; 9.viii.2001, 7 ♂♂ 17 ♀♀, PK; 21.ix.2001, 15 ♂♂ 7 ♀♀, IM; 23.v.2002, 5 ♂♂, IM; 20.vii.2002, 4 ♂♂ 5 ♀♀, IM; 12.ix.2002, 13 ♂♂ 20 ♀♀, IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂, IM; 24.vii.2005, 1 ♀, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, many ♂♂ ♀♀; 8.viii.2007, 3 ♂♂ 6 ♀♀; 22.ix.2007, 4 ♂♂ 13 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 10 ♂♂ 15 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 2 ♂♂ 2 ♀♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 3 ♂♂, IM; 19.viii.2004, 7 ♂♂ 8 ♀♀, PK; 25.ix.2004, 9 ♂♂ 7 ♀♀, PK; 21.v.2005, 1 ♂, IM; 24.vii.2005, 3 ♂♂ 1 ♀, PK; 3.ix.2005, 3 ♀♀, PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79),

15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 13 ♂♂ 59 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 2 ♂♂, IM & PK; 16.viii.2000, 3 ♀♀, PK; 20.ix.2001, 2 ♂♂ 2 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀; 9.–10.ix.2000, 3 ♂♂ 5 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 18.viii.2004, 3 ♂♂ 6 ♀♀, PK; 1.x.2004, 18 ♂♂ 19 ♀♀ 1 larva, IM; 26.v.2005, 10 ♂♂ 7 ♀♀, IM; 27.vii.2005, 5 ♂♂ 9 ♀♀, IM; 1.ix.2005, 3 ♂♂ 6 ♀♀ 2 larvae, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 3 ♀♀, IM; 16.viii.2004, 8 ♂♂ 9 ♀♀, PK; 1.x.2004, 21 ♂♂ 17 ♀♀ 1 larva, IM; 26.v.2005, 6 ♂♂ 4 ♀♀, IM; 27.vii.2005, 4 ♂♂ 9 ♀♀, IM; 1.ix.2005, 3 ♂♂ 8 ♀♀ 1 larva, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 2 ♀♀, PL. Javorník, village (92), 8.viii.2001, 1 ♀, PK. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 4 ♂♂ 2 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 2 ♂♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♀♀; 10.ix.2000, 21 ♂♂ ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 16 ♂♂ 20 ♀♀; 2.ix.2004, 46 ♂♂ 43 ♀♀ 24 larvae; 1.x.2004, 4 ♂♂ 15 ♀♀ 1 larva; 26.v.2005, 9 ♂♂ 9 ♀♀; 27.vii.2005, 14 ♂♂ 19 ♀♀ 3 larvae; 1.ix.2005, 13 ♂♂ 9 ♀♀ 2 larvae; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 8 ♂♂ 9 ♀♀ 5 larvae, IM; 8.vi.2001, 2 ♂♂ 2 ♀♀, PL; 2.vii.2001, 6 ♂♂ 7 ♀♀, IM & PK; 9.viii.2001, 12 ♂♂ 8 ♀♀, PK; 21.ix.2001, 6 ♂♂ 7 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in pastures, meadows and ruderal sites throughout the area from the lowest to the highest elevations. **General distribution:** Western Palaearctic, Kazakhstan. **Host plants:** *Achillea millefolium* agg., *Artemisia* spp. **Red List status:** –.

### *Cicadella viridis* (Linnaeus, 1758)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 5 ♀♀, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 3 ♂♂, MH; 9.ix.1999, 6 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 2 ♀♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1 larva, IM; 1.vi.2002, 3 larvae, IM; 17.viii.2006, 1 ♂ 1 ♀, PK. Valašské Klobouky, Bílý potok NR (13), 9.ix.1999, 1 ♂ 1 ♀, IM; 11.vii.2006, 5 ♂♂ 1 ♀, IM; 14.viii.2006, 2 ♂♂, PK. Brumov, Uhlíčky (14), 30.vi.2004, 5 ♂♂ 5 ♀♀ 3 larvae; 1.ix.2004, 1 ♂ 2 larvae; 5.x.2004, 3 ♂♂ 1 ♀; all IM; 28.vii.2005, 1 larva; 4.ix.2005, 5 ♂♂ 2 ♀♀ 2 larvae; all PK. Nedašov, village (15), 3.vii.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 4 ♂♂; 10.ix.1999, 3 ♂♂ 3 ♀♀; 30.vi.2004, 2 larvae; 5.x.2004, 1 ♂; 28.v.2005, 2 larvae; 28.vii.2005, 1 ♂ 1 ♀; 6.ix.2005, 1 ♂ 1 larva; 12.vii.2006, 1 ♀; all IM; 25.vi.2002, 1 ♀; 16.viii.2006, 1 ♂ 2 ♀♀; all PK. Rokytnice, Bukovina hill (23), 21.viii.1984, 2 ♀♀, PL. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂, IM; 2.ix.2004, 1 larva, IM; 4.ix.2005, 1 larva, PK. Bylnice, railway station environs (27), 11.ix.1999, 7 ♂♂ 3 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂ 1 ♀, PK. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 larva; 1.ix.2004, 2 larvae; 5.x.2004, 1 ♀ 3 larvae; 28.v.2005, 3 larvae; 28.vii.2005, 2 ♂♂ 3 ♀♀; 6.ix.2005, 1 ♂; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 4 ♂♂, IM. Blatnička, Milejovské louky meadows (39), 16.viii.2009, 1 ♂, PB. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂ 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 4 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀; 30.vi.2001, 3 ♂♂ 3 ♀♀; all IM; 21.ix.2001, 3 ♂♂ 1 ♀, PK; 23.v.2002, 2 larvae, IM & PK; 21.vii.2002, 1 ♂ 1 larva, IM; 10.ix.2002, 7 ♂♂ 2 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 1 ♀ 1 larva, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 2 ♂♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Strání, Obecnice hill (60), 12.ix.2002, 1 ♀, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 larva, IM; 18.viii.2004, 2 ♂♂ 1 ♀, PK; 25.ix.2004, 1 ♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 3 ♀♀ 4 larvae, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 4 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀; 8.viii.2007, 4 ♀♀; 22.ix.2007, 2 ♂♂; all IM. Vyškovec, Vyškovcecké Bošačky (69), 27.vi.2004, 4 ♂♂ 2 ♀♀ 4 larvae, IM; 19.viii.2004, 2 ♀♀ 8 larvae, PK; 25.ix.2004, 16 ♂♂ 11 ♀♀ 14 larvae, PK; 21.v.2005, 1 larva, IM; 3.ix.2005, 3 ♂ 10 larvae, PK. Vyškovec, Pod Hřibovnou NM (70), 28.vi.2004, 1 ♂ 4 larvae, IM; 19.viii.2004, 1 ♀, PK; 25.ix.2004, 1 ♂ 3

larvae, PK; 24.vii.2005, 1 ♂, PK. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM; 9.viii.2002, 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀; 28.vii.2000, 1 ♂; both IM; 17.viii.2000, 1 ♀, PK; 20.ix.2001, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 2 ♂♂ 3 ♀♀, PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM; 20.viii.2002, 2 ♂♂, PK. Radějov, Veselka hill (85), 11.vii.1998, 2 ♂♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 2 ♂♂; 8.ix.1998, many ♂♂ ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♀, IM. Suchov, Suchové Mlýny (89), 18.viii.2004, 1 ♂ 1 larva, PK; 1.x.2004, 7 ♂♂ 5 ♀♀, IM; 26.v.2005, 3 larvae, IM; 1.ix.2005, 1 ♂ 1 ♀ 7 larvae, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 1 larva; 1.x.2004, 1 ♂; all IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♂♂ 1 ♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 1 ♀; 10.ix.2000, 3 ♂♂ 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 1 ♂ 1 larva; 1.x.2004, 1 ♀; 1.ix.2005, 1 ♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂; 9.ix.1998, several ♂♂ ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; particularly abundant in spring fens, wet meadows and on shores of water but present also in mesic to dry grassland habitats. **General distribution:** Palearctic. **Host plants:** Polyphagous on Juncaceae, Cyperaceae and Poaceae. **Red List status:** –.

#### *Cicadula (Cicadula) albingensis* Wagner, 1940

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 6 ♂♂, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂, IM. Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite local; in large spring fens and wet depressions. **General distribution:** Eurosiberian. **Host plant:** *Scirpus sylvaticus*. **Red List status:** –.

#### *Cicadula (Cicadula) flori* (J. Sahlberg, 1871) (NT)

**Material examined.** Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** There was only one finding in the south-western part of the area; the species has not been recollected in recent years. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (mainly *C. acuta*). **Red List status:** Near-threatened.

**Comments.** In the Czech Republic, *C. flori* is widespread and locally common in tall-sedge fens and on shores of water e.g. in the Pannonian part of southern Moravia, the Bohemian-Moravian Highland and central Bohemia (DLABOLA 1954, LAUTERER 1986, MALENOVSKÝ 2006).

#### *Cicadula (Cicadula) persimilis* (Edwards, 1920)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (104).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♂, PK. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 5 ♂♂ 1 ♀; 11.ix.1999, 28 ♂♂; all IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂ 4 ♀♀; 10.ix.1999, 5 ♂♂ 2 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 3 ♂♂, MH; 9.ix.1999, 18 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 11 ♂♂ 4 ♀♀, IM; 1.vi.2002, 4 ♂♂ 7 ♀♀ 15 larvae, IM; 24.viii.2002, 8 ♂♂ 3 ♀♀ 2 larvae, PK; 17.viii.2006, 3 ♂♂, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 4 ♂♂ 3 ♀♀, PK; 9.ix.1999, 6 ♂♂ 4 ♀♀, IM; 23.viii.2002, 1 ♂ 2 ♀♀, PK; 16.vi.2006, 4 ♂♂ 1 ♀, IM; 11.vii.2006, 10 ♂♂ 4 ♀♀, IM. Brumov, Uhličky (14), 30.vi.2004, 4 ♂♂ 3 ♀♀ 2 larvae; 1.ix.2004, 19 ♂♂ 5 ♀♀ 1 larva; 5.x.2004, 3 ♂♂ 4 ♀♀; 28.v.2005, 23 larvae; all IM; 28.vii.2005, 1 ♀; 4.ix.2005, 4 ♂♂ 2 ♀♀; all PK. Nedašov, village (15), 3.vii.1999, ? 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♀; 10.ix.1999, 7 ♂♂ 1 ♀; all IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♂, PK. Brumov, Kloboucká street (24), 4.ix.2005, 2 ♂♂ 2 ♀♀ 1 larva, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 28 ♂♂, IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 larva; 5.x.2004, 4 ♀♀; 6.ix.2005, 1 ♂ 1 larva; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 5 ♂♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 6 ♂♂, PB. Korytná, Břeží (46), 5.vii.2001, 10 ♂♂ 5 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 7 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 4 ♀♀, IM; 21.ix.2001, 1 ♂ 1 ♀, PK; 23.v.2002, 1 larva, IM; 21.vii.2002, 4 larvae, IM; 10.ix.2002, 1 ♂ 1 ♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 2 ♂♂ 4 ♀♀, IM; 13.viii.2001, 1 larva, PK; 21.ix.2001, 2 ♀♀, PK; 23.v.2002, 2 larvae, IM & PK; 20.vii.2002, 1 ♂ 3 larvae, IM; 10.ix.2002, 3 ♂♂ 7 ♀♀, IM; 24.vii.–22.viii.2003, 1 larva, PT, KR. Komňa, Nový Dvůr (53), 21.viii.1984, 2 ♂♂, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂; 10.ix.1998, 3 ♂♂; all IM. Strání, Obecnice hill (60), 21.ix.2001, 1 ♂; 12.ix.2002, 1 ♀; both IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 larva, IM; 25.ix.2004, 1 ♂, IM; 3.ix.2005, 1 ♂ 7 larvae, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 larvae; 25.ix.2004, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 12 ♂♂ 13 ♀♀; all IM. Vyškovec, Vyškovské Bošačky (69), 27.vi.2004, 2 ♀♀ 2 larvae, IM; 19.viii.2004, 1 ♀, PK; 25.ix.2004, 18 ♂♂ 15 ♀♀ 1 larva, PK; 21.v.2005, 1 larva, IM; 3.ix.2005, 12 ♂♂ 12 ♀♀ 8 larvae, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 9 ♂♂ 1 ♀ 10 larvae, IM; 25.ix.2004, 6 ♂♂ 6 ♀♀ 2 larvae, PK; 8.ix.2005, 2 ♂♂ 2 ♀♀ 59 larvae, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 3 ♂♂, IM. Radějov, Kůtky NR (86), 11.vii.1998, 1 ♂; 8.ix.1998, 2 ♂♂; all IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂; 9.–10.ix.2000, 1 ♂; both IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♂ 1 ♀; 1.x.2004, 1 ♂; all IM. Suchov, Trnovský Mlýn (90), 1.ix.2005, 1 ♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♂♂, IM. Javorník, Jazeví NNR (96), 19.vi.2000, 20 ♂♂; 10.ix.2000, 7 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂; 2.ix.2004, 15 ♂♂ 1 ♀ 2 larvae; 1.x.2004, 1 ♀; 26.v.2005, 2 larvae; 1.ix.2005, 2 ♂♂ 2 larvae; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 6 ♂♂ 3 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 10 ♂♂ 3 ♀♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 19 ♂♂ 26 ♀♀ 6 larvae, IM & PK; 9.viii.2001, 1 ♂ 1 ♀, 21 larvae, PK; 21.ix.2001, 136 ♂♂ 63 ♀♀ 18 larvae, IM. Strání, Javorina NNR (106), 4.vii.2001, 10 ♂♂ 10 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in mesic to wet meadows and pastures from the lowest to the highest elevations. **General distribution:** Eurosiberian. **Host plant:** *Dactylis glomerata*. **Red List status:** –.

### *Cicadula (Cicadula) quadrinotata* (Fabricius, 1794)

**Published records.** LANG (1945a): Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 13 ♂♂, IM; 24.viii.2002, 1 ♂, PK. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH; 9.ix.1999, 9 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂, IM. Poteč, Ploštiny NR (12), 17.viii.2006, 2 ♂♂, PK. Brumov, Uhličky (14), 30.vi.2004, 3 ♂♂, IM. Bylnice,

railway station environs (27), 11.ix.1999, 7 ♂♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂, PB. Horní Němčí, Drahy NR (48), 10.ix.2002, 3 ♂♂ 3 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 3 ♂♂ 1 ♀, PL. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂ 3 ♀♀; 10.ix.1998, 4 ♂♂; all IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 5 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 4 ♂♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂; 8.ix.1998, 25 ♂♂; all IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♂, IM. Javorník, loampit W of village (95), 24.v.2002, 4 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 18 ♂♂; 10.ix.2000, 8 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in wet meadows and spring fens throughout the area. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. **Red List status:** –.

#### *Colladonus torneellus* (Zetterstedt, 1828)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Valašské Klobouky, Bílé potoky NR (13).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site in the north-eastern part of the area, collected there in a spruce forest undergrowth. **General distribution:** Holarctic. **Host plants:** Unknown, perhaps polyphagous on Poaceae and Cyperaceae (e.g. *Carex brizoides*) and deciduous shrubs. **Red List status:** –.

#### *Conosanus obsoletus* (Kirschbaum, 1858)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂, IM; 10.ix.1999, 1 ♀, IM; 16.viii.2006, 1 ♀, PK. Nedašov, Na Salaši (29), 3.vii.1999, 1 ♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 9 ♂♂ 3 ♀♀; 8.ix.1998, 2 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite local in spring fens and wet depressions. **General distribution:** Holarctic. **Host plants:** *Juncus* spp. and tall Poaceae (e.g. *Festuca arundinacea*). **Red List status:** –.

#### *Cosmotettix caudatus* (Flor, 1861)

(EN)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from one site in the south-western part of the area: a disturbed wet depression in the Radějovka brook floodplain. **General distribution:** Northern half of Europe, Siberia. **Host plant:** *Carex hirta*. **Red List status:** Endangered.

**Comments.** In the Czech Republic, *C. caudatus* is a sporadic species, with altogether only three records, all from south-eastern Moravia (LAUTERER 1980, MALENOVSKÝ *et al.* 2011).

***Deltocephalus pulicaris* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64); Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 6 ♂♂ 5 ♀♀, IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♂♂ 2 ♀♀, IM; 24.viii.2002, 1 ♂, PK. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH; 9.ix.1999, 6 ♂♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 9 ♂♂ 5 ♀♀, IM; 1.vi.2002, 263 ♂♂ 105 ♀♀ 48 larvae, IM; 24.viii.2002, 133 ♂♂ 41 ♀♀, PK; 17.viii.2006, 4 ♂♂ 5 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 10 ♂♂ 2 ♀♀; 1.ix.2004, 1 ♂ 1 ♀; 5.x.2004, 1 ♀; all IM; 4.ix.2005, 2 ♂♂, PK. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 3 ♂♂ 1 ♀; 6.ix.2005, 22 ♂♂ 6 ♀♀; all IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂ 7 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 5 ♂♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 3 ♂♂ 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 6 ♂♂ 1 ♀; 1.ix.2004, 42 ♂♂ 21 ♀♀ 38 larvae; 5.x.2004, 9 ♂♂ 14 ♀♀ 7 larvae; 28.v.2005, 26 ♂♂ 27 ♀♀ 1 larva; 28.vii.2005, 1 ♀; 6.ix.2005, 15 ♂♂ 1 ♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♀, IM. Korytná, Březi (46), 5.vii.2001, 6 ♂♂ 9 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM; 21.ix.2001, 1 ♀, PK. Horní Němčí, Vinohrádky (49), 30.vi.2001, 19 ♂♂ 12 ♀♀, IM; 13.viii.2001, 23 ♂♂ 12 ♀♀ 9 larvae, PK; 21.ix.2001, 4 ♂♂ 9 ♀♀ 4 larvae, PK; 23.v.2002, 2 ♂♂ 3 larvae, IM & PK; 20.vii.2002, 28 ♂♂ 12 ♀♀ 22 larvae, IM; 10.ix.2002, 49 ♂♂ 35 ♀♀ 47 larvae, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 3 ♂♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 1 ♂ 6 ♀♀, IM & PK; 9.viii.2001, 2 ♂♂, PK; 21.ix.2001, 4 ♂♂ 3 ♀♀, IM; 23.v.2002, 2 ♂♂ 1 larva, IM; 20.vii.2002, 11 ♂♂ 6 ♀♀ 5 larvae, IM; 12.ix.2002, 10 ♂♂ 16 ♀♀ 7 larvae, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 570 ♂♂ 277 ♀♀ 341 larvae, IM; 25.ix.2004, 149 ♂♂ 103 ♀♀ 11 larvae, IM; 24.vii.2005, 62 ♂♂ 77 ♀♀ 1 larva, IM; 3.ix.2005, 576 ♂♂ 214 ♀♀ 181 larvae, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 4 ♀♀; 8.viii.2007, 10 ♂♂ 2 ♀♀; 22.ix.2007, 2 ♂♂ 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 49 ♂♂ 56 ♀♀ 3 larvae, IM; 19.viii.2004, 21 ♂♂ 9 ♀♀ 3 larvae, PK; 25.ix.2004, 52 ♂♂ 104 ♀♀ 3 larvae, PK; 21.v.2005, 1 larva, IM; 24.vii.2005, 4 ♀♀, PK; 3.ix.2005, 108 ♂♂ 68 ♀♀ 5 larvae, PK. Vyškovec, Pod Hřibovňou NM (70), 25.ix.2004, 2 ♂♂ 8 ♀♀ 1 larva, PK; 8.ix.2005, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 20 ♂♂ 5 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 15 ♂♂ 2 ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 2 ♂♂ 4 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 4 ♂♂, PL; 8.ix.1998, 5 ♂♂ 9 ♀♀, IM. Suchov, Suchovské Mlýny (89), 18.viii.2004, 2 ♂♂ 1 ♀, PK; 1.x.2004, 5 ♂♂ 6 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 31 ♂♂ 17 ♀♀, IM; 16.viii.2004, 57 ♂♂ 11 ♀♀ 2 larvae, PK; 1.x.2004, 19 ♂♂ 108 ♀♀ 5 larvae, IM; 26.v.2005, 3 larvae, IM; 27.vii.2005, 11 ♂♂ 27 ♀♀ 2 larvae, IM; 1.ix.2005, 242 ♂♂ 89 ♀♀ 6 larvae, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 9 ♂♂ 4 ♀♀; 2.ix.2004, 26 ♂♂ 9 ♀♀ 1 larva; 1.x.2004, 2 ♂♂ 10 ♀♀; 26.v.2005, 2 larvae; 27.vii.2005, 10 ♂♂ 1 ♀ 2 larvae; 1.ix.2005, 2 ♂♂ 2 ♀♀; all IM. Strání, Záhumenice NM (104), 2.vii.2001, 51 ♂♂ 48 ♀♀, IM; 9.viii.2001, 3 ♂♂ 2 ♀♀ 2 larvae, PK; 21.ix.2001, 60 ♂♂ 53 ♀♀ 3 larvae, IM. Strání, Javorina NNR (106), 4.vii.2001, 3 ♂♂ 4 ♀♀; 29.x.2011, 1 ♂ 4 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in grasslands throughout the area including the highest elevations; particularly abundant in pastures. **General distribution:** Holarctic. **Host plants:** Poaceae (e.g. *Agrostis* spp., *Poa* spp., *Dactylis glomerata*, *Elytrigia repens*, *Lolium perenne*). **Red List status:** –.

***Dikraneura variata* Hardy, 1850**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂; 10.ix.1999, 1 ♂; both IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂; 5.x.2004, 2 ♂♂ 1 ♀; 28.vii.2005, 1 ♂ 5 ♀♀ 2 larvae; 6.ix.2005, 1 ♀; all IM. Korytná, Březi (46), 5.vii.2001, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 1 ♂ 1 ♀; 9.–10.ix.2000, 2 ♂♂

3 ♀♀; all IM. Suchov, Trnovský Mlýn (90), 27.vii.2005, 1 ♂ 5 ♀♀; 1.ix.2005, 2 ♀♀ 1 larva; all IM. Javorník, Nad Vápenkou NM (94), 7.ix.1998, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, even if quite local; mainly in fragments of dry grassland and in half-shaded places under solitary oaks in meadows and pastures. **General distribution:** Holarctic. **Host plants:** *Avenella flexuosa* and fine-leaved *Festuca* spp. **Red List status:** –.

#### *Diplocolenus bohemani* (Zetterstedt, 1840)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Nedašov, Kaňoury NM (18), 17.vi.2006, 3 ♂♂ 1 ♀; 12.vii.2006, 1 ♂; all IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 8 ♂♂ 7 ♀♀, PL; 22.v.2000, 1 ♂, PK. Suchov, Suchovské Mlýny (89), 26.v.2005, 2 ♂♂ 1 ♀ 2 larvae, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from a few sunny, species-rich meadows mainly in the south-western part of the area with one isolated locality in its north-easternmost tip. **General distribution:** Eurosiberian. **Host plants:** Poaceae (*Calamagrostis* spp., *Bromus erectus*). **Red List status:** –.

#### *Doratura exilis* Horváth, 1903

(VU)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one specimen (a brachypterous female) collected in 1944 in the central part of the area; not re-collected in recent years and perhaps extinct. **General distribution:** Europe, western Siberia, Kazakhstan. **Host plants:** *Festuca ovina*-group. **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *D. exilis* is a local species confined to narrow-leaved dry grasslands (e.g. DLABOLA 1954). It may have declined in many regions in recent decades, including the Bílé Karpaty PLA.

#### *Doratura homophyla* (Flor, 1861)

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 1 ♀, IM. Korytná, Břeží (46), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 6 ♂♂ 6 ♀♀ 5 larvae, IM; 13.viii.2001, 3 ♂♂ 1 ♀ 4 larvae, PK; 21.ix.2001, 1 ♂, PK; 23.v.2002, 1 larva, IM & PK; 22.viii.–27.ix.2003, 1 ♂, PT, KR. Strání, Obecnice hill (60), 2.vii.2001, 1 ♂ 2 ♀♀ 4 larvae, IM & PK; 21.ix.2001, 2 ♂♂, IM. Lopeník, Lopenické sedlo (64), 24.vii.2005, 2 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♀♀; 8.viii.2007, 4 ♂♂ 3 ♀♀; all IM. Výskovec, Výskovecké Bošačky (69), 27.vi.2004, 3 ♂♂ 1 ♀ 2 larvae, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 22.vi.2008, 1 ♀, KD & KF. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 58 ♂♂ 28 ♀♀ 19 larvae, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 2 ♂♂ 4 ♀♀, IM & PK; 16.viii.2000, 8 ♂♂ 7 ♀♀, PK; 20.ix.2001, 1 ♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 6 ♂♂ 6 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and locally common in pastures and ruderal grassland throughout the area. **General distribution:**



Palaeartic. **Host plants:** Poaceae (e.g. *Agrostis capillaris*, *Elytrigia repens*, *Festuca rubra*, *Poa compressa*). **Red List status:** –.

### *Doratura stylata* (Boheman, 1847)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂ 1 ♀, IM; 1.vi.2002, 1 ♂ 2 larvae, IM; 24.viii.2002, 3 ♂♂ 2 ♀♀, IM; 17.viii.2006, 4 ♂♂ 8 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 6 ♂♂ 1 ♀, IM. Brumov, Uhlíčky (14), 4.ix.2005, 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 7 ♂♂ 3 ♀♀; 10.ix.1999, 5 ♂♂ 8 ♀♀; 30.vi.2004, 1 larva; 28.vii.2005, 3 ♂♂ 3 ♀♀; 6.ix.2005, 4 ♂♂ 3 ♀♀; 12.vii.2006, 1 ♂; all IM; 16.viii.2006, 2 ♂♂ 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 5 ♂♂ 4 ♀♀, IM; 16.viii.2006, 2 ♀♀, PK. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♂ 3 ♀♀, IM; 3.vi–4.vii.2005, 1 ♂ 1 ♀, PT, KR; 28.vii.2005, 3 ♂♂ 6 ♀♀, PK; 4.ix.2005, 1 ♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 10 ♂♂ 6 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 17 ♂♂ 34 ♀♀; 28.vii.2005, 21 ♂♂ 24 ♀♀; 6.ix.2005, 4 ♂♂ 9 ♀♀; all IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 3 ♂♂ 1 ♀; 16.viii.2009, 2 ♂♂; all PB. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 3 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 47 ♂♂ 12 ♀♀ 8 larvae, IM & PK; 13.viii.2001, 18 ♂♂ 31 ♀♀, PK; 21.ix.2001, 5 ♀♀, PK; 21.vii.2002, 178 ♂♂ 170 ♀♀ 1 larva, IM; 10.ix.2002, 2 ♂♂ 3 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 4 ♂♂ 1 ♀ 2 larvae, IM; 13.viii.2001, 1 ♀, PK; 20.vii.2002, 6 ♂♂ 7 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 15 ♂♂ 8 ♀♀ 2 larvae, IM & PK; 9.viii.2001, 6 ♂♂ 3 ♀♀, PK; 23.v.2002, 2 larvae, IM; 20.vii.2002, 15 ♂♂ 23 ♀♀, IM; 12.ix.2002, 1 ♀, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 24 larvae, IM; 25.ix.2004, 4 ♂♂ 10 ♀♀, IM; 24.vii.2005, 132 ♂♂ 133 ♀♀ 19 larvae, IM; 3.ix.2005, 48 ♂♂ 55 ♀♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 6 ♂♂ 3 ♀♀; 8.viii.2007, 3 ♂♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♀♀; 8.viii.2007, 1 ♂; all IM. Vyskovec, Vyskovcecké Bošačky (69), 27.vi.2004, 4 larvae, IM; 25.ix.2004, 3 ♀♀, PK; 24.vii.2005, 9 ♂♂ 1 ♀, PK; 3.ix.2005, 2 ♂♂ 5 ♀♀, PK. Kněždub, Kněždubský háj forest (75), 17.viii.2000, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♀♀, IM & PK; 27.vi.2002, 2 ♂♂, IM. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♂ 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♀, PK. Radějov, Kútky NR (86), 11.vii.1998, 2 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂ 2 ♀♀, IM; 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 2 ♂♂ 3 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 3 ♂♂ 5 larvae, IM; 18.viii.2004, 3 ♂♂ 3 ♀♀, PK; 27.vii.2005, 24 ♂♂ 29 ♀♀, IM; 1.ix.2005, 3 ♂♂ 3 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 50 larvae, IM; 16.viii.2004, 72 ♂♂ 75 ♀♀ 1 larva, PK; 1.x.2004, 1 ♂ 5 ♀♀, IM; 27.vii.2005, 345 ♂♂ 291 ♀♀ 2 larvae, IM; 1.ix.2005, 46 ♂♂ 51 ♀♀, IM. Javorník, Jazevečí NNR (96), 19.vi.2000, 5 ♂♂ 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂ 3 larvae; 2.ix.2004, 1 ♀; 26.v.2005, 1 larva; 27.vii.2005, 3 ♂♂ 3 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂, IM; 9.viii.2001, 1 ♂ 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in pastures, meadows and fragments of dry grassland throughout the area. **General distribution:** Palaeartic. **Host plants:** Poaceae (mainly fine-leaved *Festuca* spp. including *F. rubra* and *F. ovina*-group and *Agrostis capillaris*). **Red List status:** –.

### *Edwardsiana ampliata* (Wagner, 1947)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 1 ♂, LT, IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004,

1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM; 22.vi.2001, 4 ♂♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂, IM. Javorník, village (92), 8.viii.2001, 1 ♂, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common at forest margins and on solitary trees throughout the area. **General distribution:** Central and eastern Europe. **Host plants:** Probably polyphagous on deciduous trees (*Acer campestre*, *A. pseudoplatanus*, *Corylus avellana*, *Quercus robur*, and *Tilia cordata*). **Red List status:** –.

#### *Edwardsiana bergmani* (Tullgren, 1916)

**Material examined.** Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from one finding in the north-eastern part of the area. **General distribution:** Eurosiberian. **Host plants:** *Betula pendula*, *B. pubescens*, *Alnus glutinosa*, *A. alnobetula*. **Red List status:** –.

**Comments.** A psychrophilous species, apparently sporadic in the Czech Republic with only two published records from the foothills of the Krkonoše Mts. in north-eastern Bohemia and the Hornomoravský úval Lowland in central Moravia (DLABOLA 1954, LAUTERER 1980).

#### *Edwardsiana candidula* (Kirschbaum, 1868)

**Material examined.** Velká nad Veličkou, village (87), 19.vi.2000, 3 ♂♂, PK; 9.ix.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from a single site on the periphery of a village in the south-western part of the area. **General distribution:** European. **Host plant:** *Populus alba*. **Red List status:** –.

#### *Edwardsiana crataegi* (Douglas, 1876)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Nedašov, Kaňoury NM (18), 16.viii.2006, 2 ♂♂, PK. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 6 ♂♂, PL. Svatý Štěpán, Nadřičí (32), 12.ix.1999, 1 ♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 3 ♂♂, PL. Korytná, Březí (46), 5.vii.2001, 2 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 2 ♂♂; 30.vi.2001, 8 ♂♂; all IM; 21.ix.2001, 1 ♂, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂; 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 3 ♂♂; 8.viii.2007, 1 ♂; 22.ix.2007, 3 ♂♂; all IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM; 22.vi.2001, 1 ♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 7 ♂♂, MT, JM & PC. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 8 ♂♂, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 6 ♂♂, PL. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♂, PL. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂; 10.ix.2000, 3 ♂♂;

all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 4 ♂♂ 2 ♀♀, PL. Javorník, Machová NR (102), 14.vi.2010, 8 ♂♂, MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 7 ♂♂, PL. Strání, Záhumenice NM (104), 15.vi.2010, 3 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, common especially in its south-western part, more local and rare in the north-east: apparently thermophilous; on sunny forest and scrub margins, solitary shrubs scattered in grasslands, and in orchards. **General distribution:** Eurosiberian. **Host plants:** Woody species of Rosaceae (mainly *Crataegus*, *Malus* and *Prunus* spp.). **Red List status:** –.

#### *Edwardsiana diversa* (Edwards, 1914)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 1 ♂, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂; IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 4 ♂♂, IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread on warm sites throughout the area except its north-easternmost tip; on sunny forest and scrub margins. **General distribution:** Western Palearctic. **Host plants:** *Cornus sanguinea*, *C. mas.* **Red List status:** –.

#### *Edwardsiana flavescens* (Fabricius, 1794)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Bylnice, Bylničky (26), 24.vi.1982, 3 ♂♂, PL. Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♂, PL. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM; 21.ix.2001, 2 ♂♂, PK; 23.v.2002, 4 ♂♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Strání, Důbrava hill (62), 7.vii.1980, 7 ♂♂, PL. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂ 1 ♀, IM. Lopeník, Míkulčín vrch hill (65), 25.ix.2004, 2 ♂♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂; 22.ix.2007, 1 ♂; both IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♂, IM; 22.vi.2001, 4 ♂♂, IM & PK; 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂, IM. Velká nad Veličkou, village (87), 22.x.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 2 ♂♂, IM. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♂, PL; 21.ix.2001, 1 ♂, IM; 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 29 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area including the highest elevations; in deciduous forests and along their margins. **General distribution:** European. **Host plants:** *Carpinus betulus* and *Fagus sylvatica*. **Red List status:** –.

***Edwardsiana geometrica* (Schrank, 1801)**

**Material examined.** Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂ 1 ♀, IM; 21.ix.2001, 1 ♂ 3 ♀♀, PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the south-western and central parts of the area, usually on trees along brooks. **General distribution:** European. **Host plants:** *Alnus incana*, *A. glutinosa*. **Red List status:** –.

***Edwardsiana gratiosa* (Boheman, 1852)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps rare and quite local: recorded from only two sites along brooks in the south-western part of the area. **General distribution:** European. **Host plants:** *Alnus glutinosa*. **Red List status:** –.

***Edwardsiana ishidai* (Matsumura, 1932) (VU)**

**Material examined.** Kněždub, Kněždubský háj forest (75), 22.vi.2001, 14 ♂♂, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site in the south-western part of the area (forest margins in the Járkovec brook floodplain and around the Kejda pond). **General distribution:** Eurosiberian. **Host plants:** *Ulmus* spp. **Red List status:** Vulnerable.

**Comments.** *Edwardsiana ishidai* is a generally rare species in the Czech Republic. A few published records are from the Kokořínsko PLA and the environs of Neratovice in central Bohemia and the lowlands of southern and central Moravia (LAUTERER 1984, 1995a; MALENOVSKÝ 2006).

***Edwardsiana lamellaris* (Ribaut, 1931) (NT)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Strání, Důbrava hill (62), 7.vii.1980, 1 ♂, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 20 ♂♂, MT, JM & PC. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 3 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 15.vi.2010, 8 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Locally common at sunny forest margins and on solitary shrubs scattered in meadows in the south-western part of the area. **General distribution:** Southern half of Europe. **Host plants:** *Rosa* spp. **Red List status:** Near-threatened.

**Comments.** A thermophilous species, recorded in the Czech Republic only from southern and central Moravia (LAUTERER 1984, 1995b; MALENOVSKÝ *et al.* 2011).

### *Edwardsiana lethierryi* (Edwards, 1881)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Poteč, Ploštiny NR (12), 17.viii.2006, 1 ♂, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Svatý Štěpán, Nadříčí (32), 12.ix.1999, 2 ♂♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 3 ♂♂, PL. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♂, IM & PK; 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 5 ♂♂, IM. Javorník, Jazevěčí NNR (96), 10.ix.2000, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common along forest margins throughout the area. **General distribution:** European. **Host plants:** *Acer campestre*, *Tilia* spp. **Red List status:** –.

### *Edwardsiana plurispinosa* (Wagner, 1935)

**Material examined.** Bylnice, Bylničky (26), 24.vi.1982, 10 ♂♂, PL. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 21.ix.2001, 2 ♂♂, PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂; 10.ix.1998, 1 ♂; both IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 3 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 4 ♂♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 4 ♂♂, MT, JM & PC. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂, IM. Javorník, Jazevěčí NNR (96), 19.vi.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common along streams and forest margins throughout the area. **General distribution:** European. **Host plants:** *Corylus avellana*, *Alnus* spp. **Red List status:** –.

**Comments.** The distribution of *E. plurispinosa* in the Czech Republic has been insufficiently documented (e.g. MALENOVSKÝ *et al.* 2011) due to recent changes in taxonomy (WILSON & CLARIDGE 1999).

### *Edwardsiana prunicola* (Edwards, 1914)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Horní Němčí, village (44), 13.viii.2001, 1 ♂, PK. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 2 ♂♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 2 ♂♂, IM. Radějov, Lučina (76), 22.vi.2001, 2 ♂♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Radějov, Kútky NR (86), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 2 ♂♂, IM. Javorník, Jazevěčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♂; both IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, mainly along streams and around ponds and springs. **General distribution:** European. **Host plants:** *Salix* spp. (*S. cinerea*, *S. aurita*, *S. viminalis*, *S. caprea*) and *Prunus* spp. (*P. spinosa*, *P. domestica*). **Red List status:** –.

***Edwardsiana rosae* (Linnaeus, 1758)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♂, PK. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 3 ♂♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂; 22.ix.2007, 2 ♂♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 8 ♂♂, IM. Malá Vrbka, village (81), 20.ix.2001, 6 ♂♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK; 9.ix.2000, 2 ♂♂, IM; 22.x.2000, 8 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 6 ♂♂, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 2 ♂♂, PL. Javorník, village (92), 8.viii.2001, 2 ♂♂, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 6 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 8.vi.2001, 13 ♂♂ 20 ♀♀, PL; 15.vi.2010, 2 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, e.g. on shrubs scattered in meadows and pastures and on waysides.

**General distribution:** Palaearctic. **Host plants:** *Rosa* spp., *Prunus spinosa* and other woody Rosaceae. **Red List status:** –.

***Edwardsiana salicicola* (Edwards, 1885)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Radějov, Lučina (76), 22.vi.2001, 2 ♂♂, IM & PK. Radějov, Kútky NR (86), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the south-western and central parts of the area, quite common in wet places. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (mainly *S. cinerea*, *S. aurita*, *S. caprea*). **Red List status:** –.

***Edwardsiana soror* (Linnavuori, 1950)**

**(NT)**

**Published records.** MALENOVSKÝ & LAUTERER (2010): Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101).

**Additional material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂, IM; 21.ix.2001, 2 ♂♂, PK. Strání, Záhumenice NM (104), 15.vi.2010, 4 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably quite widespread in the area but local; mainly along brooks and rivers. **General distribution:** Central and northern Europe, Siberia. **Host plant:** *Alnus incana*. **Red List status:** Near-threatened.

**Comments.** Widespread but generally rare and local in the Czech Republic; besides the Bílé Karpaty PLA known from the Hornomoravský úval Lowland in central Moravia and the Šumava and the Jizerské hory Mts. in Bohemia (MALENOVSKÝ & LAUTERER 2010).

### *Edwardsiana spinigera* (Edwards, 1924)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 1 ♂, LT, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♂, MH & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 19.vi.2000, 1 ♂, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM. Javorník, Jazeví NNR (96), 19.vi.2000, 3 ♂♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common at forest margins throughout the area. **General distribution:** European. **Host plants:** *Corylus avellana*. **Red List status:** –.

### *Edwardsiana stehliki* Lauterer, 1958

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and local, although probably widespread; at sunny forest margins. **General distribution:** Central Europe, Sweden. **Host plants:** *Corylus avellana*, *C. maxima*. **Red List status:** –.

### *Edwardsiana ulmiphagus* Wilson et Claridge, 1999

**Material examined.** Korytná, Břeží (46), 5.vii.2001, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♂♂, IM; 22.vi.2001, 19 ♂♂, IM & PK. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented only from the south-western part of the area, locally common on elm trees at forest margins. **General distribution:** European. **Host plants:** *Ulmus* spp. **Red List status:** –.

**Comments.** A recently described species, previously confused and mixed together with *E. plurispinosa* under the name *E. hippocastani* (Edwards, 1888) (see WILSON & CLARIDGE 1999 for details). A revision of material in the museum collections is needed to reveal its fine distribution in the Czech Republic. The specimens cited under *Typhlocyba hippocastani* by DLABOLA (1954) from Peřimov near Jilemnice in north-eastern Bohemia have been examined in Dlabola collection, Muséum national d'Histoire naturelle, Paris (7 ♂♂, Peřimov, 7.ix.1944, J. Dlabola leg.) and found to belong to *E. ulmiphagus* as well. The species thus occurs both in Bohemia and Moravia.

### *Elymana sulphurella* (Zetterstedt, 1828)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 4 ♀♀, PK. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 3 ♂♂ 9 ♀♀, IM; 24.viii.2002, 1 ♂ 3 ♀♀, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 3 ♂♂; 10.ix.1999, 7 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH; 9.ix.1999, 1 ♂ 7 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 4 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♀♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM; 13.ix.1999, 2 ♂♂ 30 ♀♀, IM; 24.viii.2002, 1 ♂ 9 ♀♀, PK; 17.viii.2006, 3 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂, IM; 23.viii.2002, 1 ♂ 2 ♀♀, PK; 11.vii.2006, 26 ♂♂ 4 ♀♀, IM; 14.viii.2006, 1 ♂ 4 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 5 larvae; 1.ix.2004, 3 ♀♀; 5.x.2004, 1 ♀; all IM; 28.vii.2005, 1 ♂; 4.ix.2005, 1 ♀; both PK. Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 12 ♂♂ 3 ♀♀; 10.ix.1999, 1 ♂ 8 ♀♀; 5.x.2004, 1 ♀; 28.vii.2005, 1 ♀; 6.ix.2005, 3 ♀♀; all IM; 16.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 3 ♂♂ 4 ♀♀, IM; 16.viii.2006, 2 ♂♂ 8 ♀♀, PK. Luhačovice, Luhačovická dolina valley (21), 6.viii.1980, 1 ♀, PL. Rokytnice, Bukovina hill (23), 21.viii.1984, 2 ♀♀, PL. Brumov, Kloboucká street (24), 2.ix.2004, 2 ♀♀, IM; 28.vii.2005, 3 ♂♂ 9 ♀♀, PK; 4.ix.2005, 3 ♀♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 2 ♂♂ 2 ♀♀, IM. Bylnice, railway station environs (27), 11.ix.1999, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 7 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♀; 1.ix.2004, 1 ♂ 22 ♀♀; 5.x.2004, 3 ♀♀; 28.vii.2005, 36 ♂♂ 16 ♀♀; 6.ix.2005, 2 ♂♂ 7 ♀♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 4 ♀♀, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂ 1 ♀, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 1 ♂ 2 ♀♀, PL. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 13 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀, IM; 13.viii.2001, 1 ♂ 2 ♀♀, PK; 21.ix.2001, 1 ♀, PK; 21.vii.2002, 5 ♂♂ 6 ♀♀, IM; 10.ix.2002, 3 ♀♀, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♂ 1 ♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM; 10.ix.1998, 3 ♀♀, all IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 3 larvae, IM; 18.viii.2004, 5 ♂♂ 9 ♀♀, PK; 25.ix.2004, 9 ♀♀, IM; 24.vii.2005, 21 ♂♂ 23 ♀♀ 6 larvae, IM; 26.vii.–26.viii.2005, 1 ♂, PT, KR; 3.ix.2005, 7 ♂♂ 37 ♀♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM; 24.vii.2005, 4 ♂♂ 1 ♀, IM; 3.ix.2005, 4 ♀♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 2 ♀♀; 8.viii.2007, 1 ♂ 5 ♀♀; 22.ix.2007, 4 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 2 ♀♀; 8.viii.2007, 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂ 16 larvae, IM; 25.ix.2004, 3 ♀♀, PK; 24.vii.2005, 11 ♂♂ 5 ♀♀, PK; 3.ix.2005, 10 ♀♀, PK. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 4 ♂♂ 5 ♀♀, PK; 25.ix.2004, 6 ♀♀, PK; 24.vii.2005, 21 ♂♂ 24 ♀♀, PK; 8.ix.2005, 5 ♂♂ 38 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 3 ♂♂ 1 ♀; 20.ix.2001, 1 ♀; all IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 5 ♂♂ 13 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 5 ♀♀, IM; 20.viii.2002, 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 5 ♂♂ 3 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 11 ♂♂ 10 ♀♀; 9.–10.ix.2000, 4 ♂♂ 11 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 2 ♂♂ 5 ♀♀ 6 larvae, PK; 1.x.2004, 1 ♂ 5 ♀♀, IM; 27.vii.2005, 4 ♂♂ 3 ♀♀, IM; 1.ix.2005, 2 ♂♂ 3 ♀♀, IM. Suchov, Trnovský Mlýn (90), 27.vii.2005, 20 ♂♂ 14 ♀♀, IM; 1.ix.2005, 5 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂ 1 ♀; 7.ix.2002, 1 ♂ 3 ♀♀; all IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 4 ♀♀, IM; 10.vii.2009, 2 ♂♂, ZM. Javorník, Jazevčí NNR (96), 19.vi.2000, 12 ♂♂ 2 ♀♀; 10.ix.2000, 3 ♂♂ 7 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 1 ♀; 27.vii.2005, 1 ♂ 1 ♀; 1.ix.2005, 2 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 5 ♂♂ 2 ♀♀; 9.ix.1998, 1 ♂ 5 ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 15 larvae, PK; 9.viii.2001, 1 ♂ 14 ♀♀, PK; 21.ix.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common among tall grass in meadows, pastures, and ruderal sites throughout the area. **General distribution:** Palaearctic. **Host plants:** Poaceae (e.g. *Calamagrostis* spp., *Holcus* spp., *Elytrogia repens*, *Brachypodium pinnatum*). **Red List status:** –.



*Emelyanoviana mollicula* (Boheman, 1845)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♀, IM; 11.ix.1999, 2 ♀♀, IM; 24.viii.2002, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂; 2.vii.1999, 3 ♂♂ 1 ♀; 10.ix.1999, 8 ♂♂ 2 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♀, MH; 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♂, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 2 ♀♀, IM; 13.ix.1999, 8 ♂♂ 11 ♀♀, IM; 1.vi.2002, 39 ♂♂ 61 ♀♀, IM; 24.viii.2002, 15 ♂♂ 14 ♀♀, PK; 17.viii.2006, 4 ♂♂ 4 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 7 ♂♂ 7 ♀♀, IM; 23.viii.2002, 1 ♂, PK; 16.vi.2006, 9 ♂♂ 7 ♀♀, IM; 11.vii.2006, 1 ♀, IM; 14.viii.2006, 3 ♂♂ 3 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 6 ♂♂ 3 ♀♀; 1.ix.2004, 14 ♂♂ 4 ♀♀; 5.x.2004, 13 ♂♂ 5 ♀♀; 28.v.2005, 5 ♂♂ 1 ♀; all IM; 28.vii.2005, 9 ♂♂ 8 ♀♀ 5 larvae; 4.ix.2005, 26 ♂♂ 26 ♀♀; all PK. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 2 ♂♂ 12 ♀♀; 30.vi.2004, 1 ♂; 1.ix.2004, 10 ♂♂ 5 ♀♀; 5.x.2004, 1 ♂ 2 ♀♀; 28.v.2005, 3 ♂♂ 1 ♀; 6.ix.2005, 6 ♂♂ 5 ♀♀; 17.vi.2006, 3 ♂♂ 1 ♀; all IM; 25.vi.2002, 1 ♀; 16.viii.2006, 1 ♂ 3 ♀♀; all PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 12 ♂♂ 7 ♀♀, IM; 12.vii.2006, 4 ♂♂ 2 ♀♀, IM; 16.viii.2006, 8 ♂♂ 6 ♀♀, PK. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 2 ♂♂ 3 ♀♀; 5.x.2004, 3 ♂♂ 2 ♀♀; 28.v.2005, 5 ♂♂ 2 ♀♀; all IM; 4.ix.2005, 4 ♂♂ 7 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 7 ♂♂ 8 ♀♀, IM; 11.vii.2006, 3 ♂♂ 2 ♀♀, IM; 18.viii.2006, 2 ♂♂ 3 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 5 ♂♂ 8 ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Plánava hill (28), 12.ix.1999, 3 ♂♂ 3 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♀; 1.ix.2004, 4 ♂♂ 9 ♀♀; 5.x.2004, 2 ♀♀; 28.vii.2005, 1 ♂ 2 ♀♀; 6.ix.2005, 2 ♂♂ 8 ♀♀; all IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♂, LP. Hluk, Kobylí hlava NM (35), 24.viii.2002, 3 ♂♂ 7 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 11 ♂♂ ♀♀; 11.vii.2009, 1 ♂; 16.viii.2009, 1 ♂; all PB. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 2 ♂♂, PL. Korytná, Březí (46), 5.vii.2001, 8 ♂♂ 9 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 3 ♂♂ 5 ♀♀, IM & PK; 13.viii.2001, 29 ♂♂ 13 ♀♀, PK; 21.ix.2001, 22 ♂♂ 18 ♀♀, PK; 23.v.2002, 39 ♂♂ 44 ♀♀, IM & PK; 21.vii.2002, 66 ♂♂ 54 ♀♀, IM; 10.ix.2002, 40 ♂♂ 23 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 2 ♂♂ 1 ♀, IM; 13.viii.2001, 5 ♂♂ 6 ♀♀, PK; 21.ix.2001, 2 ♂♂ 1 ♀, PK; 23.v.2002, 3 ♂♂ 1 ♀, IM & PK; 20.vii.2002, 11 ♂♂ 6 ♀♀, IM; 10.ix.2002, 8 ♂♂ 6 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 2 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 4 ♀♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂; 10.ix.1998, many ♂♂ ♀♀; all IM. Strání, Obecnice hill (60), 24.v.2001, 13 ♂♂ 11 ♀♀, IM; 2.vii.2001, 1 ♂ 2 ♀♀, IM & PK; 9.viii.2001, 1 ♂ 5 ♀♀, PK; 21.ix.2001, 9 ♂♂ 20 ♀♀, IM; 23.v.2002, 8 ♂♂ 10 ♀♀, IM; 20.vii.2002, 1 ♂ 1 ♀, IM; 12.ix.2002, 2 ♂♂ 2 ♀♀, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 4 ♂♂, IM; 18.viii.2004, 1 ♂ 1 ♀, PK; 3.ix.2005, 3 ♂♂ 2 ♀♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 6 ♂♂ 2 ♀♀, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 8 ♂♂ 2 ♀♀; 8.viii.2007, 3 ♂♂ 5 ♀♀; 22.ix.2007, 4 ♂♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂ 5 ♀♀; 22.ix.2007, 4 ♂♂ 4 ♀♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂ 2 ♀♀, IM; 19.viii.2004, 5 ♂♂ 7 ♀♀, PK; 25.ix.2004, 3 ♂♂ 7 ♀♀, PK; 24.vii.2005, 1 ♂ 3 ♀♀, PK; 3.ix.2005, 13 ♂♂ 9 ♀♀, PK. Vyškovec, Pod Hribovňou NM (70), 28.vi.2004, 1 ♀, IM; 25.ix.2004, 7 ♂♂ 2 ♀♀, PK; 8.ix.2005, 15 ♂♂ 11 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀; 28.vii.2000, 2 ♂♂ 2 ♀♀; all IM; 17.viii.2000, 1 ♂ 1 ♀, PK; 20.ix.2001, 1 ♂, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂ 1 ♀, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 23 ♂♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂; 27.vii.2000, 17 ♂♂ 22 ♀♀; all IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♀; 20.ix.2001, 3 ♂♂ 5 ♀♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 2 ♀♀, IM; 20.viii.2002, 1 ♀, PK. Radějov, Kútky NR (86), 2.vi.1979, 2 ♀♀, PL; 11.vii.1998, 1 ♀; 8.ix.1998, 3 ♂♂ 1 ♀, IM. Velká nad Veličkou, village (87), 18.viii.2000, 1 ♂, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 2 ♂♂ 1 ♀; 9.–10.ix.2000, 15 ♂♂ ♀♀; all IM. Suchov, Suchovské Mlýny (89),

23.vi.2004, 4 ♂♂ 5 ♀♀, IM; 16.viii.2004, 12 ♂♂ 10 ♀♀, PK; 1.x.2004, 56 ♂♂ 46 ♀♀, IM; 26.v.2005, 72 ♂♂ 54 ♀♀, IM; 27.vii.2005, 28 ♂♂ 27 ♀♀ 4 larvae, IM; 1.ix.2005, 25 ♂♂ 25 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♀, IM; 16.viii.2004, 4 ♂♂ 6 ♀♀, PK; 1.x.2004, 6 ♂♂ 2 ♀♀, IM; 26.v.2005, 3 ♂♂ 2 ♀♀, IM; 27.vii.2005, 3 n\*♂ 2 ♀♀, IM; 1.ix.2005, 13 ♂♂ 3 ♀♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 2 ♂♂ 1 ♀, PL. Javorník, village (92), 24.v.2002, 3 ♂♂, IM. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♂ 1 ♀, PL. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 11 ♂♂ 8 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, many ♂♂ ♀♀; 24.v.2002, 5 ♂♂ 4 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 8 ♂♂ 5 ♀♀; 10.ix.2000, 9 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂ 3 ♀♀; 2.ix.2004, 23 ♂♂ 17 ♀♀; 1.x.2004, 4 ♂♂ 2 ♀♀; 26.v.2005, 17 ♂♂ 5 ♀♀; 27.vii.2005, 11 ♂♂ 7 ♀♀; 1.ix.2005, 21 ♂♂ 21 ♀♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 2 ♂♂ 2 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, many ♂♂ ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 14.vi.2010, 10 ♂♂ 6 ♀♀, MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 4 ♂♂ 2 ♀♀, PL. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♀, PL; 2.vii.2001, 2 ♂♂ 2 ♀♀, IM & PK; 9.viii.2001, 21 ♂♂ 37 ♀♀, PK; 21.ix.2001, 21 ♂♂ 10 ♀♀, IM; 15.vi.2010, 2 ♂♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 5 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; eurytopic in open, sunny, dry to wet sites, e.g. meadows and pastures, dry grassland, ruderal sites, forest margins, and occasionally also spring fens and shores of water. **General distribution:** Western Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs, mainly Lamiaceae (e.g. *Salvia pratensis*, *Origanum vulgare*, *Thymus* spp., *Mentha* spp.). **Red List status:** –.

### *Empoasca affinis* Nast, 1937

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 2 ♂♂, IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 4.x.2002, 3 ♂♂, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 1 ♀, IM. Velká nad Veličkou, village (87), 22.x.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 3 ♂♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 2 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 5 ♂♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂; 9.ix.1998, 1 ♂ 1 ♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, although usually recorded in low numbers of specimens; eurytopic in open places: ruderal sites (e.g. abandoned fields and quarries), meadows and along forest margins. **General distribution:** Eurosiberian. **Host plants:** Polyphagous on dicotyledonous herbs and deciduous trees and shrubs. **Red List status:** –.

### *Empoasca decipiens* Paoli, 1930

**Published records.** LANG (1945a): Korytná, Lipiny forest (38). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 2 ♂♂, IM. Hluk, Kobylí hlava

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

NM (35), 24.viii.2002, 1 ♂ 3 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♀, PB. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 2 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 2 ♀♀; 22.ix.2007, 1 ♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 22.ix.2007, 4 ♂♂ 3 ♀♀; all IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀; 20.ix.2001, 1 ♂; all IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK; 4.x.2002, 2 ♂♂, PK. Velká nad Veličkou, village (87), 22.x.2000, 6 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 8 ♂♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.1998, many ♂♂ ♀♀; 7.ix.2002, 2 ♀♀; all IM. Javorník, Jazevečí NNR (96), 10.ix.2000, 2 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; usually collected on woody plants along sunny forest margins but also in ruderal sites (e.g. abandoned and cultivated fields). **General distribution:** Western Palaearctic (except northern parts), Afrotropical. **Host plants:** Polyphagous on dicotyledonous herbs and shrubs. **Red List status:** –.

#### *Empoasca pteridis* (Dahlbom, 1850)

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (104).

**Additional material examined.** Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂, IM; 1.vi.2002, 1 ♂, IM; 24.viii.2002, 1 ♂, PK; 17.viii.2006, 1 ♂, PK. Brumov, Uhličky (14), 30.vi.2004, 4 ♂♂; 1.ix.2004, 31 ♂♂ 29 ♀♀ 4 larvae; 5.x.2004, 1 ♂ 2 ♀♀; 28.v.2005, 1 ♂; all IM; 28.vii.2005, 6 ♂♂ 7 ♀♀; 4.ix.2005, 5 ♂♂ 4 ♀♀ 1 larva; all PK. Nedašov, Jalovcová stráň NR (17), 1.ix.2004, 1 ♂ 1 ♀; 5.x.2004, 1 ♂ 3 ♀♀; all IM. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♂, PL. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♂; 2.ix.2004, 1 ♂ 4 ♀♀; 5.x.2004, 2 ♂♂ 9 ♀♀; all IM. Bylnice, railway station environs (27), 21.v.1999, 1 ♂, IM; 11.ix.1999, 1 ♂, both IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 4 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♂♂ 4 ♀♀; 5.x.2004, 1 ♀; 28.vii.2005, 2 ♀♀; 6.ix.2005, 3 ♂♂ 1 ♀; all IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♂, PB. Korytná, Břeží (46), 5.vii.2001, 3 ♂♂ 7 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM; 13.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 2 ♂♂ 2 ♀♀, PK; 21.vii.2002, 3 ♂♂ 3 ♀♀, IM; 10.ix.2002, 4 ♂♂ 3 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♂ 5 ♀♀, IM; 13.viii.2001, 2 ♂♂ 9 ♀♀ 5 larvae, PK; 21.ix.2001, 3 ♂♂ 6 ♀♀, PK; 20.vii.2002, 1 ♂ 2 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 3 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♂♂ 1 ♀, IM & PK. Strání, Obecnice hill (60), 9.viii.2001, 2 ♀♀, PK; 21.ix.2001, 2 ♂♂ 4 ♀♀, IM; 23.v.2002, 1 ♀, IM; 20.vii.2002, 2 ♂♂ 1 ♀, IM; 12.ix.2002, 13 ♂♂ 20 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 2 ♂♂ 8 ♀♀, IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 4 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂; 22.ix.2007, 1 ♂; both IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 2 ♂♂ 4 ♀♀, PK; 25.ix.2004, 1 ♂ 4 ♀♀, PK; 3.ix.2005, 1 ♂ 1 ♀, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 ♂ 4 larvae, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 2 ♂♂ 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♂, IM & PK; 20.ix.2001, 2 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂; 27.vii.2000, 3 ♂♂ 14 ♀♀, IM & PK; 4.x.2002, 7 ♂♂, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 8 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 5 ♂♂, IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 5 ♀♀, PK; 1.x.2004, 17 ♂♂ 54 ♀♀, IM; 26.v.2005, 5 ♀♀, IM; 27.vii.2005, 2 ♂♂ 7 ♀♀, IM; 1.ix.2005, 2 ♂♂ 2 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 5 ♂♂ 37 ♀♀; 27.vii.2005, 1 ♀; all IM. Javorník, village (92), 8.viii.2001, 1 ♂, PK. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 2 ♂♂, IM. Javorník, Jazevečí NNR (96), 10.ix.2000, 4 ♂♂, IM. Javorník, Petruchovy Mlýny (97), 1.x.2004, 2 ♂♂ 4 ♀♀; 27.vii.2005, 3 ♀♀; 1.ix.2005, 1 ♂; all IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂ 2 ♀♀, IM; 9.viii.2001, 25 ♂♂ 40 ♀♀, PK; 21.ix.2001, 19 ♂♂ 32 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, mainly in mown meadows and ruderal sites (e.g. abandoned and cultivated fields, forest clearings, along waysides etc.). **General distribution:** Western Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs. **Red List status:** –.

### *Empoasca vitis* (Göthe, 1875)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂ 2 ♀♀, IM. Valašské Klobouky, U Rybníků (6), 22.v.1999, 2 ♀♀; 10.ix.1999, 15 ♂♂ 20 ♀♀; all IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 8 ♀♀, IM; 11.ix.1999, 2 ♂♂ 7 ♀♀, IM; 24.viii.2002, 6 ♂♂ 4 ♀♀, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂; 10.ix.1999, 6 ♂♂ 6 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 2 ♀♀; 9.ix.1999, 2 ♀♀; all IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 8 ♂♂ 9 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 9 ♂♂ 10 ♀♀, IM; 1.vi.2002, 1 ♀, IM; 17.viii.2006, 4 ♂♂ 6 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 2 ♀♀, IM; 9.ix.1999, 12 ♂♂ 20 ♀♀, IM; 23.viii.2002, 2 ♂♂ 8 ♀♀, PK; 11.vii.2006, 5 ♂♂ 4 ♀♀, IM; 14.viii.2006, many ♂♂ ♀♀, PK. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♀, IM; 16.viii.2006, 2 ♀♀, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♀, IM; 16.viii.2006, 3 ♂♂ 8 ♀♀, PK. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 2 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♀, PK; 12.ix.1999, 6 ♀♀, IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♂ 4 ♀♀, IM. Svatý Štěpán, Nadřiči (32), 21.v.1999, 1 ♀, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂, IM. Horní Němčí, village (44), 13.viii.2001, 1 ♂, PK. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 6 ♂♂ 7 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀; 10.ix.1998, 1 ♀; 30.vi.2001, 1 ♀; all IM; 21.ix.2001, 1 ♂, PK. Horní Němčí, Horní kopec hill (50), 23.v.2002, 1 ♀, IM. Horní Němčí, Lesná hill (51), 15.v.1998, 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 8 ♀♀, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 2 ♂♂ 6 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 5 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 1 ♀; 8.viii.2007, 1 ♂ 4 ♀♀; 22.ix.2007, 2 ♂♂ 3 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 3 ♂♂ 4 ♀♀; 22.ix.2007, 5 ♂♂ 6 ♀♀; all IM. Vyskovec, Vyskovecké Bošačky (69), 25.ix.2004, 1 ♂, PK. Vyskovec, Ve Vlčí NR (71), 22.v.2005, 1 ♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 2 ♂♂ 5 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂; 28.vii.2000, 1 ♂ 20 ♀♀; all IM; 22.vi.2001, 3 ♂♂ 12 ♀♀, IM & PK; 20.ix.2001, 1 ♂ 10 ♀♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂ 3 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 3 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 13 ♂♂ 9 ♀♀, IM; 20.viii.2002, 1 ♂, PK. Velká nad Veličkou, village (87), 18.iv.2000, 1 ♂ 3 ♀♀; 9.ix.2000, 2 ♂♂ 3 ♀♀; 22.x.2000, 1 ♂; all IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂; 18.iv.2000, 2 ♀♀; 9.–10.ix.2000, 3 ♂♂ 8 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 6.v.2000, 5 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 3 ♀♀; 19.vi.2000, 5 ♂♂ 2 ♀♀; 10.ix.2000, 1 ♂ 1 ♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀; 28.x.2011, 5 ♂♂ 8 ♀♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 4 ♀♀, IM. Javorník, Machová NR (102), 14.v.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♀, IM. 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 1 ♀; 29.x.2011, 3 ♂♂ 3 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on woody plants throughout the area; eurytopic, e.g. in forests and along their margins, on shrubs and trees scattered in grassland or along waysides, and on ornamental vegetation in villages. **General distribution:** Palaearctic. **Host plants:** Polyphagous, mainly on deciduous trees and shrubs, adults overwinter on conifers. **Red List status:** –.

***Enantiocephalus cornutus* (Herrich-Schäffer, 1838)**

**Material examined.** Malá Vrbka, Výzkum hill (80), 28.vii.2001, 1 ♂, IM & PK; 27.vi.2002, 1 ♀, IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from three sites in the south-western part of the area; rare and local in dry abandoned fields and pastures.

**General distribution:** Central and south-eastern Europe, Kazakhstan. **Host plants:** Poaceae (in central Europe mainly *Elytrigia repens*). **Red List status:** –.

***Errastunus ocellaris* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 4 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂; 11.ix.1999, 6 ♂♂ 5 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1 ♀, IM; 30.vi.1999, 2 ♂♂ 2 ♀♀, MH; 9.ix.1999, 6 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM; 13.ix.1999, 5 ♂♂ 5 ♀♀, IM; 1.vi.2002, 58 ♂♂ 27 ♀♀ 3 larvae, IM; 24.viii.2002, 8 ♂♂ 1 ♀, PK; 17.viii.2006, 4 ♂♂, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 5 ♂♂ 2 ♀♀, IM; 16.vi.2006, 1 ♂ 1 ♀, IM; 11.vii.2006, 5 ♀♀, IM; 14.viii.2006, 3 ♂♂ 3 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 9 ♀♀ 4 larvae; 1.ix.2004, 93 ♂♂ 116 ♀♀ 42 larvae; 5.x.2004, 15 ♂♂ 40 ♀♀; 28.v.2005, 22 ♂♂ 12 ♀♀ 3 larvae; all IM; 28.vii.2005, 15 ♂♂ 20 ♀♀ 4 larvae; 4.ix.2005, 16 ♂♂ 31 ♀♀ 14 larvae; all PK; 5.iv.–4.v.2005, 1 larva; 4.v.–3.vi.2005, 2 ♀♀, 2 larvae; 3.vi.–4.vii.2005, 1 ♂; 4.vii.–6.viii.2005, 3 ♂♂ 6 ♀♀ 13 larvae; 6.viii.–7.ix.2005, 1 ♂ 5 ♀♀ 1 larva; 7.ix.–6.x.2005, 1 ♂ 6 ♀♀ 2 larvae, all PT, KR. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 5 ♂♂ 1 ♀; 10.ix.1999, 3 ♂♂ 3 ♀♀; 1.ix.2004, 1 ♂; 5.x.2004, 3 ♀♀; 28.v.2005, 2 ♀♀; 6.ix.2005, 21 ♂♂ 11 ♀♀; 17.vi.2006, 2 ♂♂; all IM; 16.viii.2006, 2 ♂♂ 2 ♀♀, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂ 1 ♀, IM. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♀, IM. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 5 ♂♂ 5 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 5 ♂♂ 6 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 3 ♂♂ 4 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♂♂ 1 larva; 6.ix.2005, 5 ♂♂ 1 ♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, many ♂♂ ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, many ♂♂ ♀♀; 11.vii.2009, 3 ♂♂; all PB. Horní Němčí, village (44), 10.ix.1998, 2 ♂♂ 2 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂ 1 ♀, PL. Korytná, Břeží (46), 5.vii.2001, 7 ♂♂ 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 15.v.1998, 1 ♂; 9.ix.1998, many ♂♂ ♀♀; all IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 3 ♀♀, IM & PK; 21.ix.2001, 2 ♀♀ 1 larva, PK; 21.vii.2002, 2 larvae, IM; 10.ix.2002, 1 ♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 2 ♀♀, IM; 13.viii.2001, 5 ♂♂ 7 ♀♀ 5 larvae, PK; 21.ix.2001, 2 ♂♂ 7 ♀♀ 4 larvae, PK; 20.vii.2002, 2 ♂♂ 3 larvae, IM; 10.ix.2002, 1 ♂ 1 larva, IM; 22.vi.–24.vii.2003, 1 ♀, PT, KR; 24.vii.–22.viii.2003, 1 ♀, PT, KR; 22.viii.–27.ix.2003, 1 ♂ 1 larva, PT, KR. Komňa, Lom Rasová NM (54), 5.vii.2001, 2 ♂♂ 2 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂ 1 ♀, IM. Strání, Obecnice hill (60), 20.vii.2002, 1 ♂, IM. Strání, Důbrava hill (62), 7.vii.1980, 4 ♀♀, PL. Lopeník, U Zvonice NM (63), 3.ix.2005, 5 ♂♂ 2 larvae, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂ 2 ♀♀; 25.ix.2004, 2 ♂♂ 4 ♀♀; 24.vii.2005, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 1 ♀; 8.viii.2007, 3 ♂♂ 2 ♀♀; 22.ix.2007, 2 ♂♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 8.viii.2007, 4 ♂♂ 2 ♀♀; 22.ix.2007, 1 ♂; all IM. Výškovec, Výškovecké Bošačky (69), 27.vi.2004, 1 ♂, IM; 19.viii.2004, 4 ♂♂ 1 ♀♀, PK; 25.ix.2004, 1 ♂ 2 ♀♀, PK; 21.v.2005, 1 ♂ 1 ♀ 16 larvae, IM; 3.ix.2005, 5 ♂♂ 5 ♀♀, PK. Výškovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 ♂, IM; 8.ix.2005, 2 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.v.1980, 1 ♀, PL. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀; 27.vii.2000, 17 ♂♂ 19 ♀♀ 13 larvae; IM & PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♂, PK; 20.ix.2001, 3 ♀♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂ 3 ♀♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 4 ♂♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 26.v.2005, 1 ♂; 1.ix.2005, 3 ♂♂; all IM. Suchov, Trnovský Mlýn (90),

23.vi.2004, 1 ♂ 1 ♀; 27.vii.2005, 1 ♂; 1.ix.2005, 1 larva; all IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂ 1 ♀, PL. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 2 ♂♂; 1.x.2004, 1 larva; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂; 9.ix.1998, 4 ♂♂ 3 ♀♀; all IM. Javorník, Machová NR (102), 14.v.1998, 2 ♀♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♀, PL. Strání, Záhumenice NM (104), 16.v.1998, several ♂♂ ♀♀, IM; 8.vi.2001, 1 ♀, PL; 2.vii.2001, 4 ♂♂ 4 ♀♀, IM; 21.ix.2001, 6 ♂♂ 7 ♀♀ 1 larva, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 5 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in mesic to wet, usually eutrophicated grassland: meadows (including fertilized ones), pastures (including intensively used ones), floodplains, ruderal sites, forest clearings etc. **General distribution:** Palaearctic. **Host plants:** Poaceae (e.g. *Holcus* spp., *Calamagrostis* spp., *Dactylis glomerata*, *Elytrigia repens*). **Red List status:** –.

#### *Errhomenus brachypterus* Fieber, 1866

**Material examined.** Nedašova Lhota, S foothills of Požár hill (16), 12.viii.1999, 1 ♂, MH. Nová Lhota, Vápenky, Vápenky NM (100), 13.v.–8.vii.2003, 1 ♂, PT, IT & JT.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two beech forest sites; probably under-recorded due to its cryptic way of life in forest litter. **General distribution:** European. **Host plants:** Perhaps polyphagous on roots of trees. **Red List status:** –.

**Comments.** *Errhomenus brachypterus* is probably a widespread species in the Czech Republic but largely under-recorded as it lives in forest litter and is only rarely collected into sweep-nets (on the other hand, it can be effectively sampled with pitfall traps and sifting). Previous Czech records come from the Krkonoše Mts. and their foothills in north-eastern Bohemia, Jeseníky Mts. in northern Moravia, the Bohemian-Moravian Highlands, and the Moravian Karst (LAUTERER 1983, LAUTERER & BUREŠ 1984).

#### *Erythria aureola* (Fallén, 1806)

(NT)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 7 ♂♂ 1 ♀, IM. Vyškovec, Vyškovecké Bošacky (69), 27.vi.2004, 1 ♀, IM; 25.ix.2004, 1 ♂ 2 ♀♀, PK; 3.ix.2005, 7 ♂♂ 5 ♀♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: recently recorded from only two sunny sites with short, species-rich vegetation in the central and north-eastern parts of the area (a sunny forest margin and a small orchard). **General distribution:** European. **Host plants:** On low-growing herbs or dwarf shrubs (mainly *Thymus* spp. and *Calluna vulgaris*, but also on *Globularia cordifolia* and *Teucrium montanum* in the Alps). **Red List status:** Near-threatened.

**Comments.** *Erythria aureola* is a widespread but quite local species in the Czech Republic, scattered in dry grasslands and heathlands of central and northern Bohemia and

southern and northern Moravia (DLABOLA 1954, MALENOVSKÝ 2006, MALENOVSKÝ *et al.* 2011).

### *Erythria manderstjernii* (Kirschbaum, 1868)

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented from only one site in the north-easternmost part of the area; collected at a humid forest margin. **General distribution:** European high mountains. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. *Ranunculus*, *Senecio*, *Eupatorium*, *Chaerophyllum*, and *Vaccinium* spp.). **Red List status:** –.

**Comments.** A psychrophilous species, common in the Czech Republic in the mountains, namely the Jizerské hory, Krkonoše, Šumava, Jeseníky, and Moravskoslezské Beskydy Mts. (DLABOLA 1954) but largely absent from warmer areas and lower altitudes.

### *Erzaleus metrius* (Flor, 1861)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Královec hill (11), 13.ix.1999, many ♂♂ ♀♀, IM. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 2 ♀♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 13 ♂♂ 17 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably scattered throughout the area and locally common, particularly on banks of rivers and brooks. **General distribution:** Eurosiberian. **Host plant:** *Phalaris arundinacea*. **Red List status:** –.

### *Eupelix cuspidata* (Fabricius, 1775)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploštiny NR (12), 17.viii.2006, 1 ♂ 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 2 ♂♂ 1 ♀; 3.vii.1999, 1 ♂ 1 ♀ 1 larva; 28.v.2005, 3 ♂♂; 6.ix.2005, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 2 ♂♂ 1 ♀, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀; 28.vii.2005, 1 ♂ 2 ♀♀; all IM. Horní Němčí, Drahy NR (48), 23.v.2002, 1 ♂, PK. Strání, Obecnice hill (60), 24.v.2001, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 24.vii.2005, 7 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 1 ♀ 1 larva; 8.viii.2007, 2 ♀♀; all IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 1 ♂, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1 ♂ 1 ♀, PK. Suchov, Suchovské Mlýny (89), 26.v.2005, 5 ♂♂, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 larva; 26.v.2005, 13 ♂♂; 27.vii.2005, 3 ♂♂ 2 ♀♀; all IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀; 10.ix.2000, 1 ♂; both IM. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area in sunny pastures, dry meadows and fragments of xerothermic

grassland. **General distribution:** Palaearctic. **Host plants:** Fine-leaved *Festuca* spp.  
**Red List status:** –.

### *Eupterycyba jucunda* (Herrich-Schäffer, 1837)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♀, PK. Strání, Záhumenice NM (104), 21.ix.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rarely recorded in the south-western and central parts of the area. **General distribution:** European. **Host plant:** *Alnus glutinosa*. **Red List status:** –.

### *Eupteryx atropunctata* (Goeze, 1778)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♀; 13.ix.1999, LT, 1 ♂; all IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♂♂, IM. Poteč, Ploštiny NR (12), 1.vi.2002, 3 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 2 ♂♂ 3 ♀♀; 16.vi.2006, 1 ♀; all IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 5 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♀♀; 6.ix.2005, 2 ♀♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 4 ♂♂ 3 ♀♀, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 3 ♂♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂ 1 ♀; 11.vii.2009, 1 ♂ 4 ♀♀; 16.viii.2009, 1 ♀; all PB. Korytná, Březí (46), 5.vii.2001, 2 ♂♂ 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂, IM; 13.viii.2001, 2 ♀♀, PK; 21.ix.2001, 1 ♀, PK; 21.vii.2002, 1 ♂ 1 ♀, IM; 10.ix.2002, 40 ♂♂ ♀♀, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 ♂ 2 ♀♀, PK; 23.v.2002, 1 ♀, IM & PK; 20.vii.2002, 5 ♀♀, IM; 10.ix.2002, 1 ♂ 2 ♀♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 2 ♂♂, PL. Strání, Obecnice hill (60), 24.v.2001, 1 ♂, IM; 2.vii.2001, 1 ♂, IM & PK; 21.ix.2001, 2 ♂♂ 3 ♀♀, IM; 23.v.2002, 3 ♂♂ 4 ♀♀, IM; 20.vii.2002, 2 ♀♀, IM; 12.ix.2002, 1 ♂, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 2 ♀♀; 25.ix.2004, 1 ♂; 24.vii.2005, 1 ♂ 2 ♀♀; all IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂; 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂ 4 ♀♀; all IM. Vyskovec, Vyskovecké Bošačky (69), 19.viii.2004, 2 ♀♀, PK; 25.ix.2004, 1 ♂ 1 ♀, PK; 24.vii.2005, 1 ♀, PK; 3.ix.2005, 1 ♀, PK. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀; 28.vii.2000, 1 ♂; all IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 2 ♂♂ 2 ♀♀, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 62 ♂♂ 14 ♀♀, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 4 ♂♂ 6 ♀♀; 27.vii.2000, 11 ♂♂ 6 ♀♀; all IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 8 ♂♂ 4 ♀♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM; 20.viii.2002, 1 ♂ 1 ♀, PK. Radějov, Kútky NR (86), 2.vi.1979, 3 ♂♂, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♂; 9.–10.ix.2000, 2 ♂♂ 3 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♂, IM; 18.viii.2004, 1 ♀, PK; 1.x.2004, 10 ♂♂ 26 ♀♀, IM; 26.v.2005, 6 ♂♂ 2 ♀♀, IM; 1.ix.2005, 2 ♂♂ 7 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♀, IM. Javorník, village (92), 8.viii.2001, 1 ♀, PK. Javorník, Nad Vápenkou NM (94), 7.ix.1998, many ♂♂ ♀♀; 7.ix.2002, 2 ♂♂ 2 ♀♀; all IM. Javorník, loampit W of village (95), 24.v.2002, 11 ♂♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀; 10.ix.2000, 1 ♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 2 ♂♂ 1 ♀; 1.x.2004, 6 ♀♀; 26.v.2005, 2 ♀♀; 27.vii.2005, 1 ♀; 1.ix.2005, 1 ♂ 11 ♀♀; all IM. Javorník, Machová NR (102), 4.vi.2010, 1 ♀, MT, JM & PC. Strání, Záhumenice NM (104), 8.vi.2001, 2 ♂♂ 2 ♀♀, PL; 2.vii.2001, 2 ♀♀, IM & PK; 9.viii.2001, 3 ♂♂ 8 ♀♀, PK; 21.ix.2001, 3 ♂♂ 2 ♀♀, IM; 15.vi.2010, 5 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; eurytopic in open, dry to wet sites: meadows and pastures, ruderal



sites, abandoned and cultivated fields, spring fens etc. **General distribution:** European. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. various Lamiaceae, *Verbascum*, *Solanum* etc.). **Red List status:** –.

### *Eupteryx aurata* (Linnaeus, 1758)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 2 ♂♂, PK. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♀; 11.ix.1999, 1 ♀; all IM. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♂♂ 4 ♀♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 2 ♂♂ 2 ♀♀, IM; 13.ix.1999, 5 ♂♂ 5 ♀♀, IM; 17.viii.2006, 1 ♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂ 3 ♀♀, PK; 9.ix.1999, 3 ♂♂ 1 ♀, IM; 23.viii.2002, 1 ♂, PK; 16.vi.2006, 1 ♀, IM; 14.viii.2006, 1 ♂, PK. Brumov, Uhlíčky (14), 28.vii.2005, 1 ♂ 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♀ 7 larvae, IM. Bylnice, Bylničky (26), 24.vi.1982, 7 ♂♂ 7 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 8 ♂♂ 7 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♂ 1 ♀, PK. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Horní Němčí, village (44), 10.ix.1998, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 4 ♂♂, IM. Horní Němčí, Drahy NR (48), 15.v.1998, several ♂♂ ♀♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♀♀; 10.ix.1998, 1 ♂; all IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 8 ♂♂ 13 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 8.viii.2007, 5 ♂♂ 2 ♀♀; 22.ix.2007, 6 ♂♂ 7 ♀♀; all IM. Vyškovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♂, PK. Radějov, Lučina (76), 17.vi.2000, 1 ♂ 5 ♀♀, IM; 22.vi.2001, 2 ♂♂, IM & PK. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 2 ♂♂ 2 ♀♀, MT, JM & PC. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 4 ♂♂ 3 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 5 ♂♂ 2 ♀♀, IM. Javorník, village (92), 24.v.2002, 1 ♂, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 4 ♂♂ 12 ♀♀; 10.ix.2000, 5 ♂♂ 2 ♀♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, many ♂♂ ♀♀, IM. Javorník, Machová NR (102), 14.v.1998, 1 ♂, IM; 14.vi.2010, 2 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♀, PL; 15.vi.2010, 3 ♂♂ 1 ♀, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 10 ♂♂ 5 ♀♀, IM & PK; 8.vii.–9.x.2003, PT, 1 ♂, IT & JT.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; mainly in relatively humid and half-shaded to shaded habitats, e.g. wet meadows, floodplains of brooks, and forest undergrowth. **General distribution:** European. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. *Urtica dioica*, *Senecio*, *Petasites*, *Arctium*, *Cirsium*, *Lamium*, *Mentha* spp., *Heracleum sphondylium*). **Red List status:** –.

### *Eupteryx calcarata* Ossiannilsson, 1936

**Material examined.** Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 7 ♂♂ 5 ♀♀, IM & PK; 9.viii.2001, 2 ♀♀, PK; 21.ix.2001, 1 ♂ 2 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 2 ♂♂, MT, JM & PC. Hrubá Vrbka, village (83), 9.–12.vii.2009, 1 ♂, ZM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented largely from the south-western part of the area; in pastures and eutrophicated grassland. **General distribution:** Western Palaearctic. **Host plant:** *Urtica dioica*. **Red List status:** –.

***Eupteryx collina* (Flor, 1861)**

**(VU)**

**Material examined.** Horní Němčí, Drahy NR (48), 10.ix.2002, 19 ♂♂ 5 ♀♀, IM. Horní Němčí, Vinohrádky (49), 21.ix.2001, 1 ♂ 1 ♀, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♀; 22.ix.2007, 1 ♂ 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Local and quite rare: collected only in three localities in the south-western and central parts of the area; in spring fens disturbed by cattle. **General distribution:** European. **Host plant:** *Mentha longifolia*. **Red List status:** Vulnerable.

**Comments.** A rare or poorly documented species in the Czech Republic. Some previously published records (e.g. DLABOLA 1954) had been misidentified and refer to *E. florida*. Recently confirmed in one locality in the environs of Bučovice in south-eastern Moravia (MALENOVSKÝ *et al.* 2011).

***Eupteryx curtisii* Flor, 1861**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 1 ♂, IM. Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♂, PK; 21.v.2005, 1 ♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but rare and collected in low numbers of specimens; in sunny grassland sites. **General distribution:** European. **Host plants:** Lamiaceae (e.g. *Teucrium scorodonia*, *Clinopodium vulgare*, *Stachys sylvatica*). **Red List status:** –.

***Eupteryx cyclops* Matsumura, 1906**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♀; 10.ix.1999, 1 ♂ 1 ♀; all IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 5 ♂♂ 5 ♀♀, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 8 ♂♂ 15 ♀♀, IM; 1.vi.2002, 1 ♂, IM; 17.viii.2006, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂ 2 ♀♀, PK; 9.ix.1999, 1 ♂, IM; 23.viii.2002, 1 ♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂ 4 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. 11.ix.1999, 8 ♂♂ 4 ♀♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 2 ♂♂, IM. Korytná, Březí (46), 5.vii.2001, 7 ♀♀, IM. Suchoy, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 1 ♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂ 3 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 2 ♂♂ 2 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 5 ♀♀; 8.viii.2007, 2 ♂♂ 5 ♀♀; 22.ix.2007, 4 ♂♂ 5 ♀♀; all IM. Radějov, Lučina (76), 28.vii.2000, 1 ♂ 1 ♀, IM & PK. Radějov, Lučina (76), 17.vi.2000, 4 ♂♂ 5 ♀♀, IM; 22.vi.2001, 2 ♂♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 10 ♂♂ 2 ♀♀, MT, JM & PC. Radějov, Měsíční údolí valley (84), 8.ix.1998, 4 ♂♂ 4 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 2 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 4 ♂♂ 24 ♀♀; 10.ix.2000, 15 ♂♂ 16 ♀♀,

IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 4 ♂♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in forest undergrowth, in the vicinity of standing or running water, in eutrophicated wet grassland, and ruderal sites. **General distribution:** Eurosiberian. **Host plant:** *Urtica dioica*. **Red List status:** –.

***Eupteryx florida* Ribaut, 1936**

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 4.x.2002, 2 ♂♂ 5 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 1 ♀, IM. Javorník, village (92), 8.viii.2001, 2 ♂♂ 3 ♀♀, PK; 24.v.2002, 1 ♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded only for the south-western part of the area; in ruderal sites (e.g. under shrubs along roads and paths), at forest margins, and in forest undergrowth. **General distribution:** Europe except the north, Mediterranean. **Host plants:** Lamiaceae (e.g. *Ballota nigra*, *Stachys sylvatica*, *Salvia officinalis*, *Melissa officinalis*). **Red List status:** –.

***Eupteryx heydenii* (Kirschbaum, 1868)**

**(NT)**

**Material examined.** Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded at only one site: a meadow with spring fens surrounded by forests in the north-easternmost tip of the area; apparently restricted by the limited distribution of the host plant in the Bílé Karpaty Mts. (see HÁJEK 1998, JONGEPIER & JONGEPIEROVÁ 2006, JONGEPIER & PECHANEC 2006). **General distribution:** Western Palaearctic. **Host plant:** *Chaerophyllum hirsutum*. **Red List status:** Near-threatened.

**Comments.** *Eupteryx heydenii* is a montane species known in the Czech Republic e.g. from the Jeseníky Mts., Šumava Mts., and the foothills of the Krkonoše Mts. (DLABOLA 1954 and additional material from the Moravian Museum, Brno).

***Eupteryx lelievrei* (Lethierry, 1874)**

**(VU)**

**(Fig. 7)**

**Published records.** LAUTERER (1983): Bylnice, Bylničky (26); Kněždub, Čertoryje NNR (77, 79); Javorník, SW slopes of Háj hill (93). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 2 ♂♂; 11.ix.1999, 1 ♂; all IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂ 2 ♀♀; 10.ix.1999, 2 ♂♂ 1 ♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 3 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂, IM; 1.vi.2002, 3 ♂♂ 1 ♀, IM; 24.viii.2002, 1 ♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 6 ♂♂ 5 ♀♀, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂ 1 ♀, IM; 12.vii.2006, 4 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂ 4 ♀♀, IM. Vyškovec, Vyškovecké Bošačky (69), 24.vii.2005, 1 ♀, PK. Vyškovec, Pod Hribovníou NM (70), 8.ix.2005, 3 ♂♂ 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♂ 1 ♀,

IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 3 ♂♂ 2 ♀♀, MT, JM & PC. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 5 ♂♂ 4 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♀; 2.ix.2004, 2 ♂♂ 1 ♀; 1.ix.2005, 2 ♂♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 1 ♀, IM. Javorník, Machová NR (102), 14.vi.2010, 5 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♀, PK; 23.v.2002, 1 ♀, PK; 15.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area in species-rich meadows and along their margins. **General distribution:** European. **Host plant:** *Betonica officinalis*. **Red List status:** Vulnerable.

**Comments.** Outside of the Bílé Karpaty PLA, *E. lelievrei* is probably a rare and local species in the Czech Republic; there has been one additional record from the Třeboňsko PLA in southern Bohemia to date (I. Malenovský, unpublished).

### *Eupteryx notata* Curtis, 1937

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂ 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂ 3 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂; 10.ix.1999, 3 ♂♂ 2 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 7 ♂♂; 9.ix.1999, 10 ♂♂; all IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 5 ♂♂ 6 ♀♀, IM; 1.vi.2002, 1 ♂, IM; 24.viii.2002, 2 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 4 ♂♂ 3 ♀♀, IM. Brumov, Uhlíčky (14), 1.ix.2004, 2 ♂♂; 5.x.2004, 1 ♂ 5 ♀♀; all IM; 4.ix.2005, 4 ♂♂ 3 ♀♀, PK; 7.ix.–6.x.2005, 3 ♂♂, PT, KR. Nedašov, Jalovcová stráně NR (17), 20.v.1999, 2 ♂♂; 10.ix.1999, 4 ♂♂ 3 ♀♀; 28.v.2005, 1 ♂; 6.ix.2005, 2 ♂♂; 17.vi.2006, 1 ♂ 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 5 ♂♂ 3 ♀♀, IM; 16.viii.2006, 1 ♂ 1 ♀, PK. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♀, IM. Brumov, Kloboucká street (24), 28.v.2005, 1 ♂, IM; 4.vii.–6.viii.2005, 1 ♂; 7.ix.–6.x.2005, 1 ♂; both PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 2 ♂♂ 6 ♀♀; 11.vii.2006, 1 ♀; all IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, railway station environs (27), 11.ix.1999, 5 ♂♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, many ♂♂ ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♂; 1.ix.2004, 6 ♂♂ 2 ♀♀; 5.x.2004, 1 ♂; 28.vii.2005, 5 ♂♂ 1 ♀; 6.ix.2005, 3 ♂♂ 1 ♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♂; 16.viii.2009, 1 ♀; all PB. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂ 2 ♀♀; 30.vi.2001, 1 ♂; 23.v.2002, 1 ♀; 21.vii.2002, 1 ♂ 2 ♀♀; 10.ix.2002, 5 ♂♂ 5 ♀♀; all IM; 22.viii.–27.ix.2003, 2 ♂♂, PT, KR. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 ♀, PK; 21.ix.2001, 5 ♂♂, PK; 23.v.2002, 1 ♂ 1 ♀, IM & PK; 20.vii.2002, 4 ♂♂ 3 ♀♀, IM; 10.ix.2002, 11 ♂♂ 1 ♀, IM; 22.vi.–24.vii.2003, 2 ♂♂, PT, KR; 22.viii.–27.ix.2003, 3 ♂♂, PT, KR. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂; 10.ix.1998, 6 ♂♂; all IM. Strání, Obecnice hill (60), 24.v.2001, 3 ♂♂ 1 ♀, IM; 2.vii.2001, 1 ♀, IM & PK; 23.v.2002, 2 ♂♂ 2 ♀♀, IM; 12.ix.2002, 2 ♂♂ 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♀♀, IM; 24.vii.2005, 5 ♂♂ 3 ♀♀, IM; 3.ix.2005, 7 ♂♂ 4 ♀♀, PK; 20.v.–25.vi.2005, 1 ♂ 1 ♀; 26.vi.–26.vii.2005, 1 ♂; 26.vii.–26.viii.2005, 3 ♂♂; all PT, KR. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 11 ♂♂ 1 ♀; 8.viii.2007, 1 ♂ 2 ♀♀; 22.ix.2007, 3 ♂♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 3 ♀♀; 8.viii.2007, 1 ♂ 1 ♀; 22.ix.2007, 5 ♂♂ 2 ♀♀; all IM. Výskovec, Výskovecké Bošacký (69), 27.vi.2004, 1 ♂ 1 ♀, IM; 19.viii.2004, 7 ♂♂ 10 ♀♀, PK; 25.ix.2004, 18 ♂♂ 8 ♀♀, PK; 21.v.2005, 2 ♂♂, IM; 24.vii.2005, 10 ♂♂ 9 ♀♀, PK; 3.ix.2005, 8 ♂♂ 6 ♀♀, PK. Výskovec, Pod Hřibovňou NM (70), 25.ix.2004, 2 ♂♂, PK. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂ 1 ♀, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 7 ♂♂ 4 ♀♀, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♂♂ 5 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 3 ♀♀, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998,

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

1 ♂; 13.vii.1998, 3 ♂♂ 2 ♀♀; 9.–10.ix.2000, 2 ♂♂ 1 ♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♀, IM; 16.viii.2004, 2 ♀♀, PK; 1.x.2004, 12 ♂♂ 5 ♀♀, IM; 26.v.2005, 48 ♂♂ 26 ♀♀, IM; 27.vii.2005, 26 ♂♂ 8 ♀♀, IM; 1.ix.2005, 5 ♂♂ 2 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 11 ♂♂ 3 ♀♀; 26.v.2005, 5 ♂♂ 1 ♀; 27.vii.2005, 4 ♂♂; 1.ix.2005, 1 ♂; all IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂ 1 ♀, PL. Javorník, village (92), 24.v.2002, 3 ♀♀, IM. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 2 ♂♂, PL. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 5 ♂♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂; 24.v.2002, 2 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 4 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 4 ♂♂; 26.v.2005, 1 ♂; 1.ix.2005, 1 ♂ 1 ♀; all IM. Javorník, Machová NR (102), 4.vi.2010, 1 ♂; 14.vi.2010, 12 ♂♂ 2 ♀♀; all MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 1 m \*, PL. Strání, Záhumenice NM (104), 24.v.2001, 36 ♂♂ 1 ♀, IM; 8.vi.2001, 3 ♂♂ 2 ♀♀, PL; 2.vii.2001, 5 ♂♂ 15 ♀♀, PK; 9.viii.2001, 56 ♂♂ 68 ♀♀, PK; 21.ix.2001, 45 ♂♂ 25 ♀♀, IM; 15.vi.2010, 21 ♂♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂; 29.x.2011, 2 ♂♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in sunny meadows and pastures throughout the area. **General distribution:** Europe, Kazakhstan. **Host plants:** Polyphagous on low-growing herbs (e.g. *Hieracium pilosella*, *Leontodon hispidus*, *Prunella*, *Thymus*, *Hypochaeris*, *Plantago* spp.). **Red List status:** –.

#### *Eupteryx origani* Zachvatkin, 1948

(VU)

**Published records.** LAUTERER (1983): Bylnice, Bylničky (26).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♀; 11.ix.1999, 3 ♂♂; all IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♀; 10.ix.1999, 1 ♂; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂ 6 ♀♀, MH; 9.ix.1999, 7 ♂♂ 3 ♀♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 3 ♀♀, IM; 13.ix.1999, 6 ♂♂ 24 ♀♀, IM; 1.vi.2002, 24 ♂♂ 16 ♀♀, IM; 24.viii.2002, 3 ♂♂ 4 ♀♀, PK; 17.viii.2006, 4 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM; 23.viii.2002, 2 ♀♀, PK; 16.vi.2006, 2 ♂♂ 2 ♀♀, IM. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂; 1.ix.2004, 4 ♂♂ 4 ♀♀; 5.x.2004, 5 ♂♂ 3 ♀♀; 28.v.2005, 2 ♂♂; all IM; 28.vii.2005, 3 ♂♂ 3 ♀♀; 4.ix.2005, 4 ♂♂ 10 ♀♀; all PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 3 ♂♂ 6 ♀♀; 10.ix.1999, 2 ♂♂ 8 ♀♀; 17.vi.2006, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 5 ♂♂ 14 ♀♀, IM; 12.vii.2006, 2 ♂♂ 7 ♀♀, IM; 16.viii.2006, 4 ♂♂ 9 ♀♀, PK. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 1 ♀, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♂ 1 ♀; 11.vii.2006, 2 ♀♀; all IM. Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 4 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 4 ♀♀, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 2 ♂♂ 1 ♀, IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 2 ♂♂ 1 ♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂, IM; 24.vii.2005, 2 ♀♀, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 22.ix.2007, 1 ♀; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀; 8.viii.2007, 1 ♀; all IM. Vyskovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 ♀, IM; 25.ix.2004, 1 ♂, PK; 8.ix.2005, 1 ♂ 4 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the north-eastern and central parts of the area, absent from the south-west except the meadow on the top of Mt Velká Javořina; in species-rich meadows and pastures and along their margins. **General distribution:** European. **Host plant:** *Origanum vulgare* (perhaps not exclusively). **Red List status:** Vulnerable.

**Comments.** The distribution of *E. origani* in the Czech Republic is, as far as known, restricted to mountains. Besides the Bílé Karpaty PLA, the species has been recorded from the Hostýnské vrchy Hills, Moravskoslezské Beskydy, Jizerské hory and Krušné hory Mts. (LAUTERER 1983, 1984; unpublished data from the Moravian Museum, Brno).

***Eupteryx stachydearum* (Hardy, 1850)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 4 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 1 ♂; all IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 22 ♂♂ 16 ♀♀, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 3 ♂♂ 2 ♀♀, IM; 13.ix.1999, 5 ♂♂ 4 ♀♀, IM; 17.viii.2006, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂ 3 ♀♀, PK; 9.ix.1999, 2 ♂♂ 1 ♀, IM; 23.viii.2002, 1 ♂ 3 ♀♀, PK; 16.vi.2006, 1 ♂, IM; 14.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 2 ♀♀, IM; 16.viii.2006, 1 ♂, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 9 ♂♂ 9 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 5 ♂♂ 5 ♀♀, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂ 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♂♂ 1 ♀, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♀♀, IM. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 3 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂ 1 ♀, IM. Radějov, Lučina (76), 17.vi.2000, 2 ♂♂ 1 ♀, IM; 28.vii.2000, 3 ♀♀; 22.vi.2001, 2 ♂♂; all IM & PK. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂ 1 ♀, PL. Javorník, loampit W of village (95), 24.v.2002, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 5 ♀♀; 10.ix.2000, 2 ♂♂ 3 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 1 ♂ 3 ♀♀, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in forest undergrowth and along forest roads throughout the area. **General distribution:** European. **Host plants:** Lamiaceae (mainly *Stachys sylvatica* and *Galeobdolon* spp.). **Red List status:** –.

***Eupteryx tenella* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Nedašov, Jalovcová stráž NR (17), 1.ix.2004, 1 ♂; 28.v.2005, 2 ♀♀; all IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 6.ix.2005, 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Vyškovec, Vyškovcecké Bošačky (69), 3.ix.2005, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♀, IM & PK. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 1 ♀, IM; 24.v.2002, 1 ♀, PK. Javorník, Machová NR (102), 14.vi.2010, 1 ♂, MT, JM & PC. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♀, PL; 9.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite uncommon; mostly found under solitary trees scattered in meadows and pastures or in grassland along forest margins. **General distribution:** European. **Host plant:** *Achillea millefolium* agg. **Red List status:** –.

***Eupteryx urticae* (Fabricius, 1803)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂; 11.vii.2006, 1 ♀; both IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♂♂, PK. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 2 ♀♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂ 1 ♀, IM. Korytná, Březí (46),

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

5.vii.2001, 2 ♂♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, ?2 ♀♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, ?1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀; 8.viii.2007, 1 ♂ 4 ♀♀; 22.ix.2007, 1 ♂ 3 ♀♀; all IM. Radějov, Lučina (76), 17.vi.2000, 1 ♂ 2 ♀♀, IM; 28.vii.2000, 1 ♀; 22.vi.2001, 3 ♂♂ 3 ♀♀; all IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 2 ♂♂, MT, JM & PC. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 1 ♀, IM; 20.viii.2002, 1 ♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 9 ♂♂ 6 ♀♀; 10.ix.2000, 9 ♂♂ 7 ♀♀; all IM. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC. Strání, Javorina NNR (106), 4.vii.2001, 8 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area, e.g. near standing or running water and in forest undergrowth. **General distribution:** European. **Host plant:** *Urtica dioica*. **Red List status:** –.

#### *Eupteryx vittata* (Linnaeus, 1758)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 2 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, many ♂♂ ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 2 ♂♂ 4 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 3 ♀♀, PK; 9.ix.1999, 2 ♂♂ 1 ♀, IM; 23.viii.2002, 1 ♂, PK; 16.vi.2006, 1 ♂, IM; 14.viii.2006, 1 ♀, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 1 ♀; 28.v.2005, 1 ♀; all IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, railway station environs (27), 11.ix.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 3 ♀♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂ 3 ♀♀; 10.ix.1998, 1 ♂ 1 ♀; all IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♂, PK. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 4 ♂♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂, IM. Radějov, Lučina (76), 17.vi.2000, 1 ♂ 1 ♀, IM; 22.vi.2001, 1 ♂, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 2 ♂♂, MT, JM & PC. Radějov, Měsíční údolí valley (84), 8.ix.1998, 3 ♂♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 2 ♂♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♂; both IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL. Strání, Záhumenice NM (104), 8.vi.2001, 1 ♂ 1 ♀, PL; 2.vii.2001, 1 ♂ 2 ♀♀, PK. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in wet meadows, along brooks and in forest undergrowth. **General distribution:** European. **Host plants:** Polyphagous on dicotyledonous herbs (e.g. *Ranunculus repens*, *Glechoma hederacea*, *Ajuga reptans*, *Valeriana dioica*). **Red List status:** –.

#### *Eurhadina concinna* (Germar, 1831)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀; 11.vii.2006, 1 ♂ 1 ♀; all IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂, PL. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 2 ♀♀, PL. Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♀; 8.ix.1998, 3 ♂♂ 11 ♀♀; all IM. Velká nad Veličkou, Zahrady pod

Hájem NNR (88), 13.vii.1998, 1 ♀; 9.–10.ix.2000, 3 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀; 10.ix.2000, 1 ♀; both IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♀♀; 9.ix.1998, 1 ♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common on solitary oaks scattered in grasslands and at forest margins. **General distribution:** European. **Host plants:** *Quercus robur*, *Qu. petraea*, rarely also on some other deciduous trees. **Red List status:** –.

#### *Eurhadina loewii* (Then, 1886)

**Material examined.** Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂ 2 ♀♀; 28.vii.2000, 1 ♀; all IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from two sites along forest roads in the south-western part of the area, perhaps rare or under-recorded. **General distribution:** European. **Host plant:** *Acer pseudoplatanus*. **Red List status:** –.

#### *Eurhadina pulchella* (Fallén, 1806)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 4 ♂♂ 4 ♀♀, IM; 14.viii.2006, 2 ♀♀, PK. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♀, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♀♀, IM; 16.viii.2006, 2 ♀♀, PK. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 2 ♂♂ 1 ♀, PL. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂; 8.viii.2007, 1 ♀; both IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 2 ♀♀; 28.vii.2000, 1 ♂; all IM. Radějov, Lučina (76), 14.vii.1998, 3 ♂♂ 1 ♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♀♀; 9.–10.ix.2000, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 4 ♂♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common on solitary oaks scattered in grasslands and along forest margins. **General distribution:** Palaearctic. **Host plants:** *Quercus robur* and *Qu. petraea*. **Red List status:** –.

#### *Eurhadina saageri* Wagner, 1937

(VU)

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: documented only from two sites in the north-eastern and south-western parts of the area; on solitary oaks and along forest margins. **General distribution:** European. **Host plant:** *Quercus robur*. **Red List status:** Vulnerable.

**Comments.** *Eurhadina saageri* is a widespread but sporadic species in the Czech Republic; published records are from Plzeň, Přerov, Brno, and the environs of Moravský Krumlov (LAUTERER 1958, 1995b; MALENOVSKÝ *et al.* 2011).



***Euscelis distinguendus* (Kirschbaum, 1858) (VU)**

**Material examined.** Malá Vrbka, Výzkum hill (80), 28.vii.2001, 1 ♂, IM & PK; 27.vi.2002, 13 ♂♂ 19 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site: an abandoned field on a sunny hillside in the south-western part of the area. **General distribution:** Eurosiberian. **Host plants:** Asteraceae (probably *Taraxacum* spp., *Picris hieracioides*, *Hieracium* spp.). **Red List status:** Vulnerable.

**Comments.** Local and rare in the Czech Republic, with published records from north-eastern Bohemia and south-eastern Moravia (DLABOLA 1954).

***Euscelis incisus* (Kirschbaum, 1858)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Velašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM. Brumov, Uhličky (14), 1.ix.2004, 1 ♀; 5.x.2004, 5 larvae; all IM; 5.iv.–4.v.2005, 1 ♂, PT, KR; 28.vii.2005, 3 ♂♂ 1 larva, PK. Nedašov, Jalovcová stráň NR (17), 20.v.1999, 1 ♀; 10.ix.1999, 1 ♀; both IM. Brumov, Kloboucká street (24), 28.vii.2005, 1 ♀, PK. Bylnice, railway station environs (27), 21.v.1999, 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 larvae, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 16.viii.2009, 1 ♂, PB. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♀; 30.vi.2001, 1 ♂; 23.v.2002, 3 larvae; 21.vii.2002, 1 ♂ 4 ♀♀; all IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 5 ♂♂ 35 larvae, IM; 13.viii.2001, 1 ♂ 8 ♀♀ 1 larva, PK; 21.ix.2001, 1 ♂ 3 larvae, PK; 23.v.2002, 2 ♀♀, IM & PK; 20.vii.2002, 112 ♂♂ 109 ♀♀ 35 larvae, IM; 10.ix.2002, 27 ♂♂ 19 ♀♀ 127 larvae, IM. Horní Němčí, Lesná hill (51), 15.v.1998, 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂ 2 ♀♀, IM. Strání, Obecnice hill (60), 21.ix.2001, 1 larva; 20.vii.2002, 1 ♂ 4 ♀♀; 12.ix.2002, 2 ♀♀ 9 larvae; all IM. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 larvae, IM; 21.v.2005, 1 ♀, IM; 3.ix.2005, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 1 ♀, IM. Výškovce, Výškovce Bošačky (69), 27.vi.2004, 1 larva, IM; 19.viii.2004, 2 ♂♂ 2 ♀♀, PK; 21.v.2005, 1 ♂ 1 ♀, IM; 24.vii.2005, 4 ♂♂ 1 ♀ 1 larva; 3.ix.2005, 1 ♂ 2 ♀♀, PK. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Radějov, Žerotín NM (73), 19.iv.2012, 1 ♂, IM. Lipov, Hájová hill (78), 19.iv.2012, 3 ♂♂ 5 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 17.iv.2000, 1 ♂ 1 larva, IM; 27.vii.2000, 11 ♂♂ 13 ♀♀ 2 larvae, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♂, IM & PK. Radějov, Veselka hill (85), 11.vii.1998, 2 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 2 ♀♀, PL; 8.ix.1998, 1 ♂ 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂ 2 ♀♀; 18.iv.2000, 2 ♂♂ 7 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 3 larvae, IM; 16.viii.2004, 2 ♂♂ 4 ♀♀, PK; 27.vii.2005, 2 ♂♂ 3 ♀♀, IM; 1.ix.2005, 1 ♂ 3 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 2 larvae, IM; 16.viii.2004, 1 ♂ 2 ♀♀ 1 larva, PK; 1.x.2004, 1 ♀ 1 larva, IM; 26.v.2005, 1 ♀, IM; 27.vii.2005, 17 ♂♂ 4 ♀♀ 2 larvae, IM; 1.ix.2005, 2 ♂♂ 12 ♀♀, IM. Javorník, Jazevečí NNR (96), 6.v.2000, 3 ♂♂, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 larva; 2.ix.2004, 3 ♂♂ 3 ♀♀ 3 larvae; 1.x.2004, 2 ♀♀ 51 larvae; 26.v.2005, 5 ♀♀; 27.vii.2005, 46 ♂♂ 28 ♀♀ 11 larvae; 1.ix.2005, 9 ♂♂ 4 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂; 9.ix.1998, 1 ♀; both IM. Javorník, Machová NR (102), 14.v.1998, 1 ♂ 1 ♀, IM. Strání, Nová hora NR (105), 16.v.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♂ 3 ♀♀, IM; 2.vii.2001, 4 larvae, IM & PK; 9.viii.2001, 10 ♂♂ 8 ♀♀ 3 larvae, PK; 21.ix.2001, 1 ♂ 7 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various grassland habitats, including intensively used ones (pastures, meadows, ruderal

sites) throughout the area. **General distribution:** Palaearctic. **Host plants:** Fabaceae (e.g. *Trifolium* spp.) and Poaceae. **Red List status:** –.

#### *Evacanthus acuminatus* (Fabricius, 1794)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38).

**Additional material examined.** Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 3 ♂♂, IM. Brumov, Kloboucká street (24), 30.vi.2004, 1 ♀ 7 larvae, IM; 4.vii.–6.viii.2005, 1 ♂, PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Korytná, Břeží (46), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although quite uncommon; mostly along forest margins and in mesic, eutrophicated sites with tall herb layer. **General distribution:** Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs. **Red List status:** –.

#### *Evacanthus interruptus* (Linnaeus, 1758)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 2 ♂♂, PK; 9.ix.1999, 1 ♂, IM; 23.viii.2002, 1 ♀, PK; 11.vii.2006, 4 ♂♂ 4 ♀♀, IM; 14.viii.2006, 2 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 1 larva, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 2 ♂♂; 30.vi.2004, 1 larva; 28.v.2005, 1 larva; 28.vii.2005, 3 ♀♀; all IM; 16.viii.2006, 1 ♂ 3 ♀♀, PK. Nedašov, Kaňoury NM (18), 12.vii.2006, 3 ♂♂ 1 ♀, IM. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♂ 1 ♀, IM; 28.v.2005, 3 larvae, IM; 28.vii.2005, 3 ♀♀, PK; 4.vii.–6.viii.2005, 1 ♀, PT, KR. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♂ 2 ♀♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 2 ♂♂ 3 ♀♀, MH & PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 larva, PK. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂; 28.vii.2005, 1 ♂; both IM. Korytná, Břeží (46), 5.vii.2001, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♀, IM. Lopeník, U Zvonice NM (63), 26.vii.–26.viii.2005, 1 ♂, PT, KR. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 2 ♀♀, IM. Výškovec, Výškovecké Bošačky (69), 27.vi.2004, 1 ♀ 1 larva, IM; 19.viii.2004, 1 ♀, PK; 21.v.2005, 1 larva, IM; 24.vii.2005, 2 ♂♂ 2 ♀♀, PK. Výškovec, Pod Hřibovňou NM (70), 28.vi.2004, 1 larva, IM; 24.vii.2005, 1 ♂, PK. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 4 ♂♂ 3 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀, IM & PK. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂, IM. Suchoy, Suchovské Mlýny (89), 26.v.2005, 2 larvae; 27.vii.2005, 1 ♂ 1 ♀; all IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂, IM. Javorník, Jazevěč NNR (96), 19.vi.2000, 4 ♂♂ 2 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, many ♂♂ ♀♀, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♀, IM. Strání, Javorina NNR (106), 12.vii.1998, many ♂♂ ♀♀; 4.vii.2001, 2 ♂♂ 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area including the highest altitudes; in neglected, mesic to wet parts of meadows and pastures, along forest margins and roads, and in forest glades. **General**

**distribution:** Palaearctic. **Host plants:** Polyphagous on dicotyledonous herbs. **Red List status:** –.

***Fagocyba carri* (Edwards, 1914)**

(NT)

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 3 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from only one xerothermic site in the south-western part of the area; on solitary oaks and along sunny forest margins bordering dry grassland. **General distribution:** European. **Host plants:** *Quercus robur* and *Qu. petraea*. **Red List status:** Near-threatened.

**Comments.** *Fagocyba carri* is probably a quite rare and local species in the Czech Republic. A few published records are from central and north-eastern Bohemia and southern Moravia (DLABOLA 1954; LAUTERER 1957, 1995b; MALENOVSKÝ 2006).

***Fagocyba cruenta* (Herrich-Schäffer, 1838)**

= *Fagocyba douglasi* (Edwards, 1878)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Lipová, towards Haluzice (4), 21.viii.1984, 1 ♀, PL. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂, IM; 11.vii.2006, 1 ♂ 2 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 2 ♂♂ 3 ♀♀; 12.vii.2006, 2 ♀♀; all IM. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♂, PL. Bylnice, Bylničky (26), 24.vi.1982, 12 ♂♂, PL. Nedašov, Pod Cigánem NM (30), 5.x.2004, 2 ♂♂ 1 ♀, IM. Hluk, Kobyly hlava NM (35), 24.viii.2002, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 8 ♂♂, PL; 10.ix.2002, 3 ♂♂, IM. Korytná, Březi (46), 5.vii.2001, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 3 ♂♂; 30.vi.2001, 2 ♂♂; all IM; 21.ix.2001, 2 ♂♂, PK. Vápenice, Trstná brook valley (55), 6.vii.2001, 4 ♂♂, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Strání, Obecnice hill (60), 12.ix.2002, 1 ♂, IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 ♂ 2 ♀♀; 25.ix.2004, 3 ♂♂ 2 ♀♀; all IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂, IM. Lopeník, Mikulčin vrch hill (65), 25.ix.2004, 3 ♂♂ 12 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM; 22.vi.2001, 3 ♂♂, IM & PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 29.vi.2001, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 3 ♂♂, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 7 ♂♂; 10.ix.2000, 1 ♂; all IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 4 ♂♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 14.vi.2010, 2 ♂♂, MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in forests and along their margins and on solitary trees scattered in grasslands. **General distribution:** European. **Host plants:** Polyphagous on deciduous trees (abundant particularly on *Fagus sylvatica* and *Carpinus betulus*). **Red List status:** –.

**Comments.** *Fagocyba cruenta* is here treated in a broad taxonomic sense according to NICKEL (2003), i.e. including *F. douglasi* (Edwards, 1878) and *F. inquinata* (Ribaut,

1936) which are considered as colour morphs. The great majority of specimens from the Bílé Karpaty PLA belong to the pale colour morph (f. *douglasi*) while the reddish colour morph (f. *typica*) was collected only on beech on the Mikulčín vrch hill near Lopeník. Females of f. *inquinata* with infuscated clavus rarely occur throughout the area, e.g. in Javorník and Strání.

***Fieberiella bohémica* Dlabola, 1965**

(VU)

(Fig. 8)

**Material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂ 2 ♀♀, IM; 21.ix.2001, 1 ♀, PK; 21.vii.2002, 1 ♂ 2 larvae, IM; 10.ix.2002, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 larvae; 8.viii.2007, 1 ♂ 2 ♀♀; 22.ix.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♂ 1 ♀; 22.ix.2007, 1 ♀; all IM. Malá Vrbka, village (81), 9.ix.2000, 1 ♀, IM. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 27.vii.2000, 1 ♂, IM; 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 4 ♂♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 1 ♂, PK. Javorník, Jazevčí NNR (96), 10.ix.2000, 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area; usually on shrubs on sunny slopes and along roads but also on fruit trees in small orchards and ornamental woody plants in villages. **General distribution:** So far only known from the Czech Republic. **Host plants:** Polyphagous on shrubs and trees; adults were collected on *Prunus spinosa*, *P. domestica*, *Pyrus communis*, *Malus domestica*, *Rosa* sp., *Ligustrum vulgare*, *Rhamnus cathartica*, *Frangula alnus*, and *Hippophae rhamnoides*; larvae were swept also from the herb layer of dry grassland, usually close to shrubs. **Red List status:** Vulnerable.

**Comments.** *Fieberiella bohémica* was described from central Bohemia (the environs of Prague and the Bohemian Karst near Beroun) based on different shapes of the aedeagus and pygophor appendages from another similar central European species, *F. septentrionalis* Wagner, 1963 (DLABOLA 1965a). *F. bohémica* was then treated as valid in the revision of the genus by MEYER-ARNDT & REMANE (1992a,b) who also provided diagnosis for the females but have not recorded the species from elsewhere. Here we provide the first findings from Moravia. Material of *Fieberiella* from countries neighbouring the Czech Republic still needs to be examined to reveal the distribution of *F. bohémica*, as well as to assess its morphological variability.

***Fieberiella florii* (Stål, 1864)**

**Material examined.** Hluk, Kobylí hlava NM (35), 24.viii.2002, 3 ♀♀ 1 larva, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♀♀, IM. Radějov, Žerotín NM (73), 9.viii.2002, 1 ♀, PK. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 8.ix.2000, 1 ♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (77), 9.ix.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps largely restricted to xerothermic sites in the foothills of the Bílé Karpaty Mts. in the south-western part of the area but male material is needed to confirm the identification. **General distribution:** Southern, western and central Europe, North America. **Host plants:** Polyphagous on

shrubs and trees (e.g. *Rosa* spp., *Prunus spinosa*, *Ligustrum vulgare*, *Rubus idaeus*). **Red List status:** –.

### *Forcipata citrinella* (Zetterstedt, 1828)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 2 ♂♂, IM; 11.ix.1999, 15 ♂♂, IM; 24.viii.2002, 2 ♂♂, PK. Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, many ♂♂ ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 5 ♂♂ 6 ♀♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂; 1.vi.2002, 2 ♂♂; all IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 13 ♂♂, IM; 11.vii.2006, 5 ♂♂ 6 ♀♀; 14.viii.2006, 4 ♂♂ 1 ♀, PK. Brumov, Uhlíčky (14), 30.vi.2004, 5 ♂♂ 5 ♀♀ 3 larvae; 1.ix.2004, 7 ♂♂ 1 ♀; 5.x.2004, 3 ♂♂ 2 ♀♀; 28.v.2005, 1 ♂; all IM; 28.vii.2005, 2 ♂♂ 4 ♀♀; 4.ix.2005, 3 ♂♂ 8 ♀♀ 2 larvae; all PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 5 ♂♂ 7 ♀♀; 10.ix.1999, 24 ♂♂ 38 ♀♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 1 ♂ 1 ♀, IM. Brumov, Kloboucká street (24), 4.ix.2005, 1 ♂, PK. Bylnice, Na Stráži (25), 16.vi.2006, 2 ♂♂ 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 5 ♂♂ 3 ♀♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 5 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 2 ♂♂ 3 ♀♀ 1 larva; 1.ix.2004, 10 ♂♂ 27 ♀♀ 1 larva; 5.x.2004, 2 ♂♂ 4 ♀♀; 28.vii.2005, 1 ♂; 6.ix.2005, 19 ♂♂ 11 ♀♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 3 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 12 ♀♀, IM; 21.ix.2001, 1 ♂ 1 ♀, PK; 23.v.2002, 1 ♂, PK; 21.vii.2002, 1 ♂ 1 ♀, IM; 10.ix.2002, 6 ♂♂ 12 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 6 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 3 ♀♀, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 2 ♂♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 4 ♂♂; 10.ix.1998, 1 ♂ 3 ♀♀; all IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 3 ♂♂ 1 ♀, IM; 18.viii.2004, 2 ♀♀, PK; 25.ix.2004, 22 ♂♂ 8 ♀♀, IM; 24.vii.2005, 4 ♀, IM; 3.ix.2005, 19 ♂♂ 16 ♀♀ 3 larvae, PK. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂ 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 5 ♂♂ 3 ♀♀, IM; 19.viii.2004, 5 ♂♂ 1 ♀, PK; 25.ix.2004, 3 ♂♂ 2 ♀♀, PK; 3.ix.2005, 12 ♂♂ 10 ♀♀, PK. Vyškovec, Pod Hřibovnou NM (70), 28.vi.2004, 2 ♂♂ 2 ♀♀, IM; 25.ix.2004, 5 ♂♂ 1 ♀, PK; 8.ix.2005, 33 ♂♂ 11 ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂, PL. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2 ♂♂ 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 10 ♂♂ 9 ♀♀, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂ 6 ♀♀; 8.ix.1998, 4 ♂♂ 17 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 1 ♀, PK; 1.x.2004, 6 ♂♂ 1 ♀, IM; 27.vii.2005, 1 ♀, IM; 1.x.2005, 5 ♂♂ 8 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂, IM; 16.viii.2004, 1 ♂ 2 ♀♀, PK; 1.x.2004, 1 ♂, IM; 27.vii.2005, 2 ♂♂ 2 ♀♀, IM; 1.ix.2005, 75 ♂♂ 66 ♀♀ 2 larvae, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♂♂ 5 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 2 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 15 ♂♂ 8 ♀♀; 10.ix.2000, 13 ♂♂; all IM. Javorník, Petruchovy Mlýny (97), 3.v.2001, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂ 4 ♀♀, IM. Javorník, Machová NR (102), 4.vi.2010, 1 ♂, MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂, PL. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 1 ♂, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, mainly occurring in wet depressions in meadows and pastures and in spring fens. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. flacca*, *C. nigra*). **Red List status:** –.

### *Forcipata forcipata* (Flor, 1861)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 7 ♂♂ 6 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♂, IM; 11.ix.1999, 1 ♂, IM; 24.viii.2002, 2 ♂♂, PK. Valašské

Klobouky, Dobšená NM (8), 10.ix.1999, 9 ♂♂, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, 7 ♂♂ 4 ♀♀, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 3 ♂♂, IM; 1.vi.2002, 3 ♂♂, IM; 24.viii.2002, 1 ♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂, IM; 23.viii.2002, 2 ♂♂, PK; 16.vi.2006, 3 ♂♂, IM; 11.vii.2006, 1 ♂, IM. Nedašov, Jalovcová stráň NR (17), 17.vi.2006, 1 ♂ 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 3 ♂♂, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 7 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♂ 1 ♀; 1.ix.2004, 1 ♂ 3 ♀♀; 6.ix.2005, 7 ♂♂ 6 ♀♀; all IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 1 ♂ 4 ♀♀, IM. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂ 7 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Strání, Důbrava hill (62), 7.vii.1980, 3 ♂♂, PL. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 ♂, IM; 3.ix.2005, 3 ♂♂, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 2 ♂♂; 22.ix.2007, 1 ♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♂ 1 ♀, PK. Vyškovec, Pod Hřibovňou NM (70), 24.vii.2005, 1 ♂, PK. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂, PL. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 8 ♂♂; all IM. Javorník, Machová NR (102), 14.vi.2010, 1 ♂, MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂ 1 ♀, PL. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; often syntopic with *F. citrinella* in spring fens and wet patches in grasslands, as well as in forest undergrowth. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (e.g. *C. flacca*), *Luzula* spp. **Red List status:** –.

#### *Graphocraerus ventralis* (Fallén, 1806)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploščiny NR (12), 1.vi.2002, 10 ♂♂ 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 4 ♂♂ 2 ♀♀; 11.vii.2006, 1 ♀; all IM. Brumov, Uhličky (14), 28.v.2005, 1 larva, IM. Nedašov, Jalovcová stráň NR (17), 16.viii.2006, 1 ♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♀; 11.vii.2006, 1 ♀; both IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♀♀, PL. Blatnička, Milejovské louky meadows (39), 24.v.2009, 1 ♂; 11.vii.2009, 1 ♀; both PB. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 1 ♂, IM. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 2 ♂♂, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 11 ♂♂ 2 ♀♀, PL; 22.v.2000, 2 ♂♂, PK. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 1 ♀, IM & PK. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL; 11.vii.1998, 4 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 5 ♂♂ 2 ♀♀; 27.vii.2005, 21 ♀♀; all IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 26 ♂♂ 10 ♀♀, IM; 16.viii.2004, 1 ♀, PK; 27.vii.2005, 1 ♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 5 ♂♂, PL. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♂; 27.vii.2005, 1 ♀; both IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♀, PL. Javorník, Machová NR (102), 9.vii.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 2.vii.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area. **General distribution:** Eurosiberian. **Host plants:** Poaceae (e.g. *Anthoxanthum odoratum*, *Poa pratensis*, *Arrhenatherum elatius*, *Avenula pubescens*, *Trisetum flavescens*). **Red List status:** –.

#### *Grypotes puncticollis* (Herrich-Schäffer, 1834)

**Material examined.** Poteč, Ploščiny NR (12), 13.ix.1999, 2 ♀♀, IM; 17.viii.2006, 1 ♂ 2 ♀♀, PK. Horní Němčí, Drahy NR (48), 21.ix.2001, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀,

IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.viii.2000, 2 ♀♀, PK; 9.–10.ix.2000, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although quite local; mostly on solitary pine trees in grassland or at forest margins. **General distribution:** European. **Host plant:** *Pinus sylvestris*. **Red List status:** –.

***Handianus flavovarius* (Herrich-Schäffer, 1835) (NT) (Figs 9–10)**

**Published records.** LAUTERER (1983): Kněždub, Čertoryje NNR (77, 79); Velká nad Veličkou, towards Javorník (91); Nová Lhota, Fojtické Mlýny (98); Javorník, Výzkum hill (103). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77). **Additional material examined.** Petrůvka, U Petrůvky NM (3), 6.viii.1999, 1 ♀, PK. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 3 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 3 ♀♀, MH. Poteč, Ploštiny NR (12), 4.vii.1999, 2 ♂♂, IM; 1.vi.2002, 16 ♂♂ 4 ♀♀ 12 larvae, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 7 ♂♂ 2 ♀♀, IM; 11.vii.2006, 5 ♀♀, IM; 14.viii.2006, 3 ♀♀, PK. Brumov, Uhličky (14), 30.vi.2004, 4 ♂♂ 2 ♀♀; 28.v.2005, 9 larvae; all IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 3 ♂♂ 4 ♀♀; 10.ix.1999, 1 ♀; 30.vi.2004, 1 ♂; 28.v.2005, 1 larva; 28.vii.2005, 1 ♀; 17.vi.2006, 1 ♂; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 4 ♂♂ 2 ♀♀ 6 larvae, IM; 12.vii.2006, 1 ♂ 1 ♀, IM; 16.viii.2006, 3 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 11 ♂♂ 9 ♀♀, IM; 28.v.2005, 93 larvae, IM; 28.vii.2005, 1 ♂ 15 ♀♀, PK; 4.vii.–6.viii.2005, 2 ♀♀, PT, KR. Bylnice, Na Stráži (25), 16.vi.2006, 3 ♂♂ 2 ♀♀; 11.vii.2006, 2 ♀♀; all IM. Nedašov, Pod Cigánem NM (30), 28.v.2005, 1 larva, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 2 ♂♂ 5 ♀♀, IM & PK; 13.viii.2001, 2 ♀♀, PK; 23.v.2002, 1 ♂ 1 ♀ 14 larvae, IM & PK; 21.vii.2002, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 4 ♂♂, IM; 21.v.2005, 11 larvae, IM; 24.vii.2005, 4 ♀♀, PK. Vyškovec, Pod Hřibovňou NM (70), 21.v.2005, 8 larvae, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 3 larvae, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀, IM. Kněždub, Čertoryje NNR (77, 79), 22.v.2000, 5 ♂♂ 3 ♀♀, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 1 ♀; 22.vi.2001, 4 ♀♀; all IM & PK; 18.v.2002, 1 larva, IM; 27.vi.2002, 1 ♀, IM. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 3 ♀♀, IM; 19.vi.2000, 3 ♀♀, PK. Suchov, Suchovské Mlýny (89), 23.vi.2004, 13 ♂♂ 4 ♀♀, IM; 16.viii.2004, 2 ♀♀, PK; 26.v.2005, 122 larvae, IM; 27.vii.2005, 23 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 4 ♂♂ 2 ♀♀; 26.v.2005, 7 larvae; 1.ix.2005, 1 ♀; all IM. Javorník, loampit W of village (95), 24.v.2002, 3 larvae, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 3.v.2001, 1 larva; 29.vi.2001, 1 ♂ 3 ♀♀; 26.v.2005, 1 larva; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 3 ♀♀, IM. Javorník, Machová NR (102), 9.vii.1998, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in non-intensively used, dry to mesic species-rich meadows and pastures on sunny sites throughout the area. **General distribution:** From eastern parts of central Europe to Siberia (the Altai Mts.). **Host plants:** Probably on herbaceous species of Fabaceae (*Vicia*, *Trifolium*, *Lotus*) or Poaceae (*Bromus erectus*). **Red List status:** Near-threatened.

**Comments.** *Handianus flavovarius* reaches its westernmost limit of distribution in the Czech Republic; the westernmost localities lie in the environs of Bučovice and Letonice in south-eastern Moravia (LAUTERER 1983, MALENOVSKÝ *et al.* 2011; see also NICKEL 2003 for a comment on the type material).

***Hardya tenuis* (Germar, 1821)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Hluk, Kobylí hlava NM (35), 24.viii.2002, 6 ♂♂ 4 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 7 ♂♂ 2 ♀♀, PK; 21.vii.2002, 1 ♂, IM; 10.ix.2002, 58 ♂♂ 17 ♀♀, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 1 ♂, PK; 20.vii.2002, 1 ♂ 1 ♀ 35 larvae, IM; 10.ix.2002, 6 ♂♂ 2 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Strání, Obecnice hill (60), 21.ix.2001, 10 ♂♂ 11 ♀♀, IM; 20.vii.2002, 1 ♂ 1 ♀, IM; 12.ix.2002, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 1 ♂ 2 ♀♀, PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂ 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 7 ♂♂ 1 ♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 2 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀; 18.iv.2000, 1 ♀; 9.–10.ix.2000, 4 ♂♂ 4 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 5 ♂♂ 4 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 6 ♂♂ 7 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 6 ♂♂ 3 ♀♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂, IM. Javorník, Petruchovy Mlýny (97), 1.x.2004, 7 ♂♂ 7 ♀♀, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♀, PK; 21.ix.2001, 2 ♂♂ 1 ♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Largely restricted to the south-western part of the area where it is quite common (one individual was even found on the top of Mt Velká Javořina at ca. 950 m); in fragments of xerothermic grassland, dry meadows and pastures and along sunny forest margins. **General distribution:** European. **Host plants:** Fine-leaved *Festuca* spp., perhaps also *Poa nemoralis* and *Agrostis capillaris*. **Red List status:** –.

### *Henschia collina* (Boheman, 1850)

= *Mocuellus collinus* (Boheman, 1850)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 6 ♂♂ 5 ♀♀, IM; 13.viii.2001, 3 ♀♀, PK; 21.ix.2001, 2 ♂♂ 2 ♀♀, PK; 10.ix.2002, 1 ♂ 1 ♀, IM; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 3 ♂♂ 3 ♀♀ 4 larvae, PK. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀, IM & PK; 16.viii.2000, 2 ♂♂, PK; 20.ix.2001, 1 ♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 3 ♂♂ 3 ♀♀, PK. Suchov, Trnovský Mlýn (90), 1.ix.2005, 1 ♂, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 6 ♂♂, PL. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the south-western and central parts of the area; locally common in abandoned fields, ruderal grassland, and in pastures. **General distribution:** Eurosiberian. **Host plants:** Poaceae (*Elytrigia repens*, *Festuca* spp., *Poa compressa*). **Red List status:** –.

### *Hephathus nanus* (Herrich-Schäffer, 1835)

(VU)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Horní Němčí, Drahy NR (48), 21.vii.2002, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and local in sunny, dry species-rich grassland. **General distribution:** Western Palaearctic. **Host plants:** Probably on Asteraceae. **Red List status:** Vulnerable.



**Comments.** Interpreted after TISHECHKIN (1999). Widely distributed in xerothermic sites in warmer parts of the Czech Republic (central and north-eastern Bohemia, southern Moravia – DLABOLA 1954, MALENOVSKÝ *et al.* 2011).

***Hesium domino* (Reuter, 1880)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 3 ♂♂, MH. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♀♀, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 2 ♂♂, IM; 13.ix.1999, 11 ♀♀, IM; 1.vi.2002, 24 larvae, IM; 17.viii.2006, 1 ♂ 9 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 3 ♂♂ 2 ♀♀, IM; 14.viii.2006, 2 ♂♂ 1 ♀, PK. Brumov, Uhličky (14), 28.vii.2005, 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂ 1 ♀; 1.ix.2004, 1 ♀; 6.ix.2005, 1 ♀; all IM; 16.viii.2006, 2 ♀♀, Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM; 16.viii.2006, 6 ♀♀, PK. Brumov, Kloboucká street (24), 30.vi.2004, 1 larva, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♀♀; 28.vii.2005, 2 ♀♀; all IM. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂; 21.vii.2002, 1 ♀; both IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♂, PL. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♂, IM. Lopeník, Lopenické sedlo (64), 24.vii.2005, 1 ♂, IM. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 1 ♀; 8.viii.2007, 3 ♀♀; 22.ix.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂, IM. Vyškovec, Vyškovské Bošačky (69), 19.viii.2004, 1 ♀; 24.vii.2005, 2 ♂♂ 3 ♀♀; all PK. Vyškovec, Pod Hřibovňou NM (70), 19.viii.2004, 1 ♀, PK; 25.ix.2004, 1 ♂ 1 ♀, PK; 24.vii.2005, 1 ♂ 1 ♀, PK; 8.ix.2005, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂; 27.vii.2000, 1 ♀; both IM & PK. Suchov, Suchovské Mlýny (89), 1.ix.2005, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 larva; 26.v.2005, 20 larvae; all IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀; 9.ix.1998, 1 ♀; both IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂, PK; 12.ix.2002, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; on solitary trees scattered in meadows and pastures and at forest margins. **General distribution:** European. **Host plants:** Poaceae (larvae), deciduous trees (mainly *Betula* spp. – adults). **Red List status:** –.

***Iassus lanio* (Linnaeus, 1761)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 4 ♂♂ 2 ♀♀, MH. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 3 ♂♂ 2 ♀♀, PK; 9.ix.1999, 1 ♀, IM; 16.vi.2006, 1 larva, IM; 11.vii.2006, 1 ♂ 4 ♀♀, IM; 14.viii.2006, 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 1 ♀; 12.vii.2006, 1 ♀; both IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 3 ♀♀, IM; 16.viii.2006, 2 ♀♀, PK. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 2 ♂♂, PK. Korytná, Březí (46), 5.vii.2001, 2 ♂♂ 1 ♀, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 4 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂ 4 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2 ♀♀, IM & PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 4 ♀♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 1 ♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♀♀; 9.ix.1998, 2 ♀♀; all IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on solitary oaks and at sunny forest margins throughout the area. **General distribution:** European. **Host plants:** *Quercus robur* and *Qu. petraea*. **Red List status:** –.

***Idiocerus herrichii* (Kirschbaum, 1868)**

**Material examined.** Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 1 ♂ 1 ♀, PL. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but quite rare and local; mostly near running or standing water. **General distribution:** Western Palearctic. **Host plants:** *Salix alba* and *S. fragilis*. **Red List status:** –.

***Idiocerus lituratus* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 1 ♂, PK. Bojkovice (20), 1943, 1 ♀, VL. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but quite uncommon in wet places in meadows, near streams and at forest margins. **General distribution:** Western Palearctic. **Host plants:** *Salix* spp. (*S. aurita*, *S. caprea*, *S. cinerea*, and *S. repens*). **Red List status:** –.

***Idiocerus similis* Kirschbaum, 1868**

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂ 1 ♀, IM; 14.viii.2006, 1 ♀, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but quite rare and local; recorded in a meadow spring fen, an abandoned quarry, and along a road on the periphery of a village. **General distribution:** European. **Host plant:** *Salix purpurea*. **Red List status:** –.

***Idiocerus stigmatalis* Lewis, 1834**

**Material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 1 ex. (damaged), LT, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 1 ♂ 1 ♀, PL. Horní Němčí, village (44), 10.ix.1998, 1 ♂, IM; 13.viii.2001, 1 ♂, PK. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 1 ♀, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 2 ♀♀, PL. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 22.ix.2007, 1 ♂ 3 ♀♀; all IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 3 ♂♂, IM; 17.vi.2000, 2 ♂♂ 2 ♀♀, IM; 28.vii.2000, 2 ♂♂, IM & PK; 20.ix.2001, 1 ♂ 2 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂ 4 ♀♀, IM & PK. Malá Vrbka, village (81), 19.vi.2000, 1 ♀, IM & PK; 28.vii.2001, 2 ♀♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on willows in various habitats throughout the area. **General distribution:** European. **Host plants:** *Salix* spp. (often on *S. alba*). **Red List status:** –.

***Idiocerus vicinus* Melichar, 1898**

(Fig. 11)

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented only from the streamside vegetation of the Vlára river in the north-eastern part of the area. **General distribution:** Southern parts of Europe (Austria, France, Germany, Greece, Italy, southern Russia, Slovenia, Spain, Switzerland, the Netherlands). **Host plants:** *Salix purpurea* and *S. elaeagnos*. **Red List status:** Not evaluated.

**Comments.** *Idiocerus vicinus* is reported here for the Czech Republic for the first time. A revision of the material of the genus in the museum collections is needed to reveal its fine distribution and frequency in the country as the species may have been previously overlooked or misidentified.

***Idiodonus cruentatus* (Panzer, 1799)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57).

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from historical records from 1944, not re-collected in the course of the recent field surveys. **General distribution:** Eurosiberian. **Host plants:** Larvae among low-growing vegetation, adults on various woody plants and dwarf shrubs (*Tilia*, *Betula*, *Fagus*, *Rubus*, *Vaccinium*, *Calluna*). **Red List status:** –.

**Comments.** According to LANG (1945a), *I. cruentatus* was among the dominant species in the meadows and pastures on the Lesná hill/Porážky reserve and the Studený vrch hill. Lang's collection in the Slovak national museum in Bratislava includes a series of many specimens from the Bílé Karpaty which supports his statement. However, there has been no record of *I. cruentatus* available from recent years and the species may have disappeared from the area. DLABOLA (1954) stated that *I. cruentatus* was a very common species on shrubs and in the herb layer in forest glades and on sunny slopes in montane and submontane areas of Czechoslovakia and gave several localities from the foothills of the Krkonoše and Šumava Mts., south-eastern Moravia, and the Nízké Tatry Mts. in Slovakia. In the last 15 years, *I. cruentatus* was recorded by us for the Czech Republic only in the Mrtvý luh peat bog in the Šumava Mts. in southern Bohemia and may have become a rare and locally occurring species.

***Japananus hyalinus* (Osborn, 1900)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). LAUTERER & MALENOVSKÝ (2006): Svatý Štěpán, Nadřící (32); Horní Němčí, village (44); Radějov, Měsíční údolí valley (84).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♂, PK. Horní Němčí, village (44), 13.viii.2001, 2 ♀♀, PK. Horní Němčí, Drahy NR (48), 10.ix.1998, 2 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common along forest margins and roads throughout the area. **General distribution:** Probably native to eastern Palaearctic, introduced to North America and southern half of Europe.

**Host plants:** *Acer* spp. (mainly *A. campestre*). **Red List status:** –.

**Comments.** *Japananus hyalinus* is probably an allochthonous species in the fauna of the Czech Republic that is currently quite widely distributed in the country in the relatively warm regions of southern Moravia and eastern Bohemia and largely occurs in natural habitats (LAUTERER & MALENOVSKÝ 2006).

### *Jassargus (Arrailus) flori* (Fieber, 1869)

**Published records.** KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, U Rybníků (6), 10.ix.1999, 5 ♂♂, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, many ♂♂ ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 1 ♂; 10.ix.1999, 1 ♂ 2 ♀♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂ 1 ♀, MH; 9.ix.1999, 6 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 3 ♂♂ 2 ♀♀, IM; 13.ix.1999, 14 ♂♂ 16 ♀♀, IM; 1.vi.2002, 212 ♂♂ 111 ♀♀ 38 larvae, IM; 24.viii.2002, 151 ♂♂ 34 ♀♀ 1 larva, PK; 17.viii.2006, 5 ♂♂ 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 2 ♂♂ 4 ♀♀; 16.vi.2006, 4 ♀♀; 11.vii.2006, 12 ♂♂ 6 ♀♀; all IM. Brumov, Uhličky (14), 30.vi.2004, 1 ♂ 1 ♀; 1.ix.2004, 8 ♂♂ 6 ♀♀ 11 larvae; 5.x.2004, 1 ♂ 3 ♀♀; all IM; 4.ix.2005, 2 ♂♂ 3 ♀♀ 1 larva, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 3 ♀♀; 10.ix.1999, 28 ♂♂ 27 ♀♀; 30.vi.2004, 4 ♂♂ 7 ♀♀; 1.ix.2004, 10 ♂♂ 6 ♀♀ 6 larvae; 5.x.2004, 2 ♂♂ 14 ♀♀; 28.v.2005, 7 ♂♂ 4 ♀♀ 9 larvae; 28.vii.2005, 1 ♀; 6.ix.2005, 10 ♂♂ 10 ♀♀; 17.vi.2006, 5 ♂♂ 4 ♀♀; 12.vii.2006, 1 ♀; all IM; 16.viii.2006, 2 ♀♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂ 4 ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 14 ♂♂ 15 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 6 ♂♂ 4 ♀♀ 4 larvae; 1.ix.2004, 65 ♂♂ 14 ♀♀ 19 larvae; 5.x.2004, 13 ♂♂ 32 ♀♀ 2 larvae; 28.vii.2005, 21 ♂♂ 9 ♀♀ 1 larva; 6.ix.2005, 159 ♂♂ 165 ♀♀ 22 larvae; all IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♂, LP. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂ 1 ♀, IM. Korytná, Březí (46), 5.vii.2001, 6 ♂♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 3 ♂♂ 4 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂ 1 ♀, IM. Strání, Důbrava hill (62), 7.vii.1980, 6 ♂♂ 3 ♀♀, PL. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 ♀, IM; 18.viii.2004, 1 ♂ 2 ♀♀, PK; 25.ix.2004, 16 ♂♂ 12 ♀♀, IM; 24.vii.2005, 1 ♂, IM; 26.vii.–26.viii.2005, 1 ♂, PT, KR; 3.ix.2005, 24 ♂♂ 14 ♀♀ 8 larvae, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 3 ♂♂ 1 larva; 24.vii.2005, 1 ♂; both IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 1 ♀; 8.viii.2007, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀; 8.viii.2007, 2 ♂♂ 3 ♀♀; all IM. Výškovec, Výškovecké Bošačky (69), 27.vi.2004, 37 ♂♂ 44 ♀♀ 5 larvae, IM; 19.viii.2004, 20 ♂♂ 11 ♀♀ 11 larvae, PK; 25.ix.2004, 77 ♂♂ 108 ♀♀, PK; 21.v.2005, 4 larvae, IM; 3.ix.2005, 154 ♂♂ 154 ♀♀ 37 larvae, PK. Výškovec, Pod Hřibovnou NM (70), 28.vi.2004, 3 ♂♂ 2 ♀♀, IM; 25.ix.2004, 16 ♂♂ 7 ♀♀, PK; 24.vii.2005, 3 ♂♂ 6 ♀♀, PK; 8.ix.2005, 29 ♂♂ 21 ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 52 ♂♂ 54 ♀♀, IM; 9.viii.2001, 28 ♂♂ 18 ♀♀, PK; 21.ix.2001, 233 ♂♂ 181 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and common in meadows and pastures in its north-eastern and central parts while it is rare and local and perhaps restricted to open forest sites in the south-west. **General**

**distribution:** European. **Host plants:** Narrow-leaved Poaceae (*Agrostis capillaris*, *Avenella flexuosa*, *Festuca heterophylla*, *Poa angustifolia*). **Red List status:** –.

***Jassargus (Jassargus) pseudocellaris* (Flor, 1861)**

**Published records.** KMENT & MALENOVSKÝ (2008): Lopeník, Lopenické sedlo (64).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 9 ♂♂ 5 ♀♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, many ♂♂ ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂ 2 ♀♀, MH; 9.ix.1999, 10 ♂♂ 15 ♀♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 1.vi.2002, 7 ♂♂, IM; 24.viii.2002, 1 ♂, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 3 ♂♂ 1 ♀; 16.vi.2006, 1 ♂ 2 ♀♀; 11.vii.2006, 6 ♀♀, all IM. Brumov, Uhlíčky (14), 4.ix.2005, 2 ♂♂, PK. Nedašov, Jalovcová stráž NR (17), 6.ix.2005, 4 ♂♂ 2 ♀♀, IM. Brumov, Kloboucká street (24), 4.ix.2005, 1 ♂ 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂ 4 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♂ 1 ♀; 30.vi.2004, 9 ♂♂ 8 ♀♀ 8 larvae; 1.ix.2004, 135 ♂♂ 121 ♀♀ 68 larvae; 5.x.2004, 10 ♂♂ 73 ♀♀ 2 larvae; 28.v.2005, 1 ♂ 3 larvae; 28.vii.2005, 5 ♂♂ 13 ♀♀; 6.ix.2005, 98 ♂♂ 68 ♀♀ 32 larvae; all IM. Lopeník, U Zvonice NM (63), 27.vi.2004, 4 ♂♂ 7 ♀♀ 1 larva, IM; 18.viii.2004, 1 ♀, PK; 25.ix.2004, 10 ♂♂ 21 ♀♀ 2 larvae, IM; 26.vi.–26.vii.2005, 1 ♂ 1 ♀, PT, KR; 3.ix.2005, 1 ♂ 1 ♀, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 193 ♂♂ 177 ♀♀ 74 larvae, IM; 25.ix.2004, 241 ♂♂ 181 ♀♀ 19 larvae, IM; 24.vii.2005, 50 ♂♂ 36 ♀♀ 1 larva, IM; 3.ix.2005, 372 ♂♂ 438 ♀♀ 224 larvae, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 6 ♂♂ 4 ♀♀, IM; 19.viii.2004, 3 ♀♀, PK; 25.ix.2004, 8 ♂♂ 18 ♀♀, PK; 8.ix.2005, 31 ♂♂ 21 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Common in meadows and pastures at relatively wet and cool places of the north-eastern and central parts of the area while it is absent in the south-west. **General distribution:** Western, central and northern Europe, Siberia. **Host plants:** Poaceae (*Agrostis capillaris*, *Festuca rubra*, *Nardus stricta*, *Holcus* spp.) **Red List status:** –.

***Jassargus (Obtujassargus) obtusivalvis* (Kirschbaum, 1868)**

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂; 2.vii.1999, 1 ♂; 10.ix.1999, 2 ♂♂ 1 ♀; all IM. Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂, IM; 1.vi.2002, 7 ♂♂ 7 ♀♀, IM; 24.viii.2002, 3 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♂ 1 ♀, IM; 16.vi.2006, 22 ♂♂ 14 ♀♀, IM; 11.vii.2006, 4 ♂♂ 2 ♀♀, IM; 14.viii.2006, 3 ♂♂ 1 ♀, PK. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂; 1.ix.2004, 1 ♂; both IM. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♀; 3.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 1 ♂; 30.vi.2004, 1 ♂ 1 ♀; 1.ix.2004, 2 ♂♂; 28.v.2005, 7 ♂♂ 1 ♀ 7 larvae; 6.ix.2005, 22 ♂♂ 21 ♀♀ 2 larvae; 17.vi.2006, 5 ♂♂ 6 ♀♀; 12.vii.2006, 3 ♂♂ 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 14 ♂♂ 7 ♀♀, IM; 12.vii.2006, 2 ♂♂ 2 ♀♀, IM; 16.viii.2006, 5 ♂♂ 2 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 10 ♂♂ 4 ♀♀, IM; 11.vii.2006, 10 ♂♂ 4 ♀♀, IM; 18.viii.2006, 4 ♂♂, PK. Bylnice, railway station environs (27), 21.v.1999, 1 ♂, IM; 1.vii.1999, 1 ♀, MH & PK; 11.ix.1999, 2 ♂♂ 1 ♀, IM. Sidonie, Vlárský průmysk pass (33), 12.ix.1999, 1 ♂, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 9 ♂♂ 9 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 6 ♂♂ 5 ♀♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂, PL. Korytná, Březí (46), 5.vii.2001, 5 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 4 ♂♂ 3 ♀♀, IM & PK; 13.viii.2001, 2 larvae, PK; 21.ix.2001, 2 ♂♂ 2 ♀♀, PK; 23.v.2002, 2 ♂♂, PK; 21.vii.2002, 3 ♀♀ 1 larva, IM; 10.ix.2002, 1 ♂ 1 larva, IM; 24.vii.–22.viii.2003, 2 ♂♂, PT, KR. Horní Němčí, Vinohrádky (49), 20.vii.2002, 1 larva, IM. Bánov, Skalky hill (52), 2 ♂♂, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 24.v.2001, 3 ♂♂ 3 ♀♀, IM; 2.vii.2001, 1 ♀, IM &

PK; 9.viii.2001, 5 ♂♂ 5 ♀♀ 3 larvae, PK; 21.ix.2001, 5 ♂♂, IM; 20.vii.2002, 5 ♂♂ 6 ♀♀ 2 larvae, IM; 12.ix.2002, 1 ♂ 1 ♀ 4 larvae, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 3 ♂♂ 2 ♀♀; 8.viii.2007, 8 ♂♂ 4 ♀♀; 22.ix.2007, 10 ♂♂ 4 ♀♀; all IM. Vyškovec, Vyškovecké Bošachky (69), 27.vi.2004, 18 ♂♂ 23 ♀♀, IM; 19.viii.2004, 6 ♂♂ 2 ♀♀, PK; 25.ix.2004, 9 ♂♂ 11 ♀♀, PK; 21.v.2005, 2 larvae, IM; 3.ix.2005, 43 ♂♂ 44 ♀♀ 11 larvae, PK. Radějov, Žerotín NM (73), 9.viii.2002, 2 ♀♀, PK. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♂♂ 1 ♀; 28.vii.2000, 3 ♀♀; 20.ix.2001, 1 ♀; all IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 3 ♂♂, PL; 22.v.2000, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 13 ♂♂ 16 ♀♀ 15 larvae, IM & PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 2 ♂♂, PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 5 ♀♀, IM; 20.viii.2002, 3 ♂♂ 1 ♀, PK. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 2 ♂♂ 1 ♀, PL; 11.vii.1998, 3 ♂♂ 3 ♀♀, IM; 8.ix.1998, 5 ♂♂ 4 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, several ♂♂ ♀♀; 13.vii.1998, 2 ♂♂; 9.–10.ix.2000, many ♂♂ 3 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 14 ♂♂ 7 ♀♀, IM; 16.viii.2004, 40 ♂♂ 38 ♀♀ 7 larvae, PK; 1.x.2004, 39 ♂♂ 34 ♀♀ 4 larvae, IM; 26.v.2005, 20 ♂♂ 5 ♀♀ 11 larvae, IM; 27.vii.2005, 17 ♂♂ 7 ♀♀, IM; 1.ix.2005, 17 ♂♂ 14 ♀♀ 7 larvae, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂ 1 ♀, PL. Javorník, SW slopes of Háj hill (93), 10.vi.1982, 1 ♂ 1 ♀, PL. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 2 ♀♀; 7.ix.2002, 4 ♂♂, IM. Javorník, loampit W of village (95), 7.ix.1998, many ♂♂ ♀♀; 24.v.2002, 6 ♂♂ 1 ♀; all IM. Javorník, Jazevečí NNR (96), 19.vi.2000, 7 ♂♂ 5 ♀♀; 10.ix.2000, 7 ♂♂ 4 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 7 ♂♂ 12 ♀♀ 2 larvae; 2.ix.2004, 58 ♂♂ 44 ♀♀ 5 larvae; 1.x.2004, 7 ♂♂ 10 ♀♀; 26.v.2005, 6 ♂♂ 4 ♀♀ 25 larvae; 27.vii.2005, 11 ♂♂ 11 ♀♀ 17 larvae; 1.ix.2005, 16 ♂♂ 13 ♀♀ 1 larva; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀; 9.ix.1998, 14 ♂♂ 8 ♀♀; all IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂ 1 ♀, PL. Strání, Záhumenice NM (104), 2.vii.2001, 2 ♂♂ 5 ♀♀, PK; 9.viii.2001, 2 ♂♂, PK; 21.ix.2001, 12 ♂♂ 12 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various open grassland habitats (meadows, pastures, xerothermic grassland, ruderal sites) on sunny, relatively warm and dry places throughout the area. **General distribution:** European. **Host plants:** Poaceae (e.g. *Bromus erectus*, *Brachypodium pinnatum*, *Festuca rupicola*). **Red List status:** –.

#### *Jassargus (Sayetus) sursumflexus* (Then, 1902)

(VU)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Distribution and frequency in the Bílé Karpaty PLA:** Local and rare or perhaps under-recorded: documented from intermittently wet meadows in only one site in the south-western part of the area. **General distribution:** European. **Host plants:** *Molinia caerulea* agg. **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *J. sursumflexus* may be a widespread but locally occurring species more or less following the distribution of its host plant. Except for the record from the Bílé Karpaty, most other available data are from southern and central Bohemia (Třeboňsko PLA, Šumava Mts., the Elbe and Jizera river basins – DLABOLA 1954 and unpublished material from the Moravian Museum, Brno).

#### *Kybos butleri* (Edwards, 1908)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Horní Němčí, village (44), 13.viii.2001, 1 ♂ 1 ♀, PK. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂ 3 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 24 ♂♂ 1 ♀, MT, JM & PC. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the south-western part of the area, quite local; mainly in brook floodplains. **General distribution:** European. **Host plants:** *Salix* spp. (*S. aurita*, *S. cinerea*, *S. repens*, *S. triandra*, *S. caprea*, *S. myrsinifolia*). **Red List status:** –.

#### *Kybos lindbergi* (Linnavuori, 1951)

**Published records.** MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM; 13.ix.1999, 8 ♀♀, IM; 1.vi.2002, 1 ♂, IM; 17.viii.2006, 1 ♀, PK. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♂♂, IM & PK. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK. Javorník, village (92), 8.viii.2001, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite rarely collected; in forest glades and abandoned quarries as well as on solitary birches in meadows and villages. **General distribution:** Central, northern and eastern Europe, Kazakhstan. **Host plants:** *Betula* spp. (*B. pendula*, *B. pubescens*, and *B. nana*). **Red List status:** –.

#### *Kybos mucronatus* (Ribaut, 1933)

**Material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 2 ♂♂, LT, IM. Radějov, Lučina (76), 28.vii.2000, 1 ♂, IM & PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but only rarely collected; near brooks and ponds. **General distribution:** European except the north and the Mediterranean area. **Host plants:** *Alnus glutinosa* (and/or perhaps also *A. incana* and *Salix* spp.). **Red List status:** –.

#### *Kybos populi* (Edwards, 1908)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 4 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps widespread but relatively rarely recorded in the central and south-western parts of the area; mainly on *Populus tremula* at edges of small woods scattered in pastures and meadows. **General distribution:** Eurosiberian, introduced to North America. **Host plants:** *Populus* spp. (*P. alba*, *P. nigra*, *P. suaveolens*, *P. tremula*). **Red List status:** –.

### *Kybos rufescens* Melichar, 1896

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 2 ♀♀, PK; 9.ix.1999, 2 ♂♂ 2 ♀♀, IM; 16.vi.2006, 1 ♂, IM; 11.vii.2006, 3 ♂♂ 3 ♀♀, IM; 14.viii.2006, 1 ♂ 2 ♀♀, PK. Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂ 13 ♀♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 1 ♂ 5 ♀♀, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 4 ♂♂ 15 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 10 ♀♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 11 ♂♂ 33 ♀♀; 8.viii.2007, 2 ♂♂ 3 ♀♀; 22.ix.2007, 2 ♂♂ 11 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 2 ♀♀; 8.viii.2007, 2 ♂♂ 1 ♀; all IM. Radějov, Lučina (76), 22.vi.2001, 3 ♀♀, IM & PK. Javorník, loampit W of village (95), 24.v.2002, 12 ♂♂ 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♂♂ 5 ♀♀, IM. Strání, Záhumenice NM (104), 8.vi.2001, 3 ♂♂ 2 ♀♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; near running or standing water, around springs and in abandoned quarries and loampits. **General distribution:** Eurosiberian. **Host plant:** *Salix purpurea*. **Red List status:** –.

### *Kybos smaragdula* (Fallén, 1806)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Korytná, Březí (46), 5.vii.2001, 1 ♂ 2 ♀♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 3 ♂♂, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Radějov, Lučina (76), 22.vi.2001, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Documented from the south-western and central parts of the area; near brooks and ponds. **General distribution:** Palaearctic, introduced to North America. **Host plants:** *Alnus* spp. (*A. glutinosa*, *A. incana*, *A. alnobetula*). **Red List status:** –.

### *Kybos strigilifer* (Ossiannilsson, 1941)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂; 13.ix.1999, 1 ♂, LT; all IM. Horní Němčí, village (44), 13.viii.2001, 7 ♂♂ 11 ♀♀, PK. Korytná, Lubná pond environs (56), 5.vii.2001, 2 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂ 4 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 5 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 2 ♀♀; 22.ix.2007, 3 ♀♀; all IM. Radějov, Lučina (76), 17.vi.2000, 1 ♂ 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂ 5 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and quite common e.g. near standing or running water, at forest margins, and on waysides. **General distribution:** Europe except the Mediterranean area. **Host plants:** *Salix* spp. (*S. caprea*, *S. cinerea*, *S. myrsinifolia*). **Red List status:** –.



***Kybos strobli* (Wagner, 1949)**

**Published records.** MÜHLETHALER *et al.* (2009): Horní Němčí.

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 3 ♂♂ several ♀♀, IM; 30.vi.2001, 9 ♂♂ 19 ♀♀, IM; 21.ix.2001, 3 ♂♂ 18 ♀♀, PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 12 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 15.vi.2010, 3 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread and locally common along streams or on slopes furrowed by landslides (Drahy near Horní Němčí). **General distribution:** Central and eastern Europe. **Host plant:** *Alnus incana*. **Red List status:** –.

**Comments.** *Kybos strobli* is a poorly documented species in the Czech Republic, so far known only from south-eastern Moravia (MÜHLETHALER *et al.* 2009).

***Kybos virgator* (Ribaut, 1933)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79). MÜHLETHALER *et al.* (2009): Bílé Karpaty.

**Additional material examined.** Horní Němčí, village (44), 10.ix.1998, 3 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 3 ♂♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Radějov, Lučina (76), 22.vi.2001, 9 ♂♂, IM & PK; 17.vi.2000, 1 ♂, IM. Malá Vrbka, village (81), 28.vii.2001, 5 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 14 ♂♂, MT, JM & PC. Velká nad Veličkou, village (87), 19.vi.2000, 2 ♂♂, PK; 9.ix.2000, 8 ♂♂, IM. Javorník, village (92), 8.viii.2001, 1 ♂, PK. Javorník, loampit W of village (95), 24.v.2002, 9 ♂♂, IM. Strání, Záhumenice NM (104), 15.vi.2010, 3 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps largely restricted to the south-western part of the area, quite common there near standing or running water as well as on ornamental weeping willows in villages. **General distribution:** Palaearctic. **Host plants:** *Salix* spp. (mainly *S. alba* and *S. fragilis*). **Red List status:** –.

***Lamprotettix nitidulus* (Fabricius, 1787)**

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 1 ♀, PK. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps widespread but under-recorded; collected at forest margins at three sites in the north-east and south-west of the area. **General distribution:** European. **Host plants:** Perhaps polyphagous on herbs in forest undergrowth (Poaceae, *Lamium*, *Urtica* – larvae) and deciduous trees (*Quercus*, *Alnus*, *Betula*, *Ulmus*, *Tilia* – adults). **Red List status:** –.

***Ledra aurita* (Linnaeus, 1758)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected on solitary oaks in meadows in two localities in the south-western part of the area but perhaps under-recorded as it lives mainly on the bark of trees and is rarely caught with sweep-netting. **General distribution:** European. **Host plants:** Polyphagous on deciduous trees (often on *Quercus* spp.). **Red List status:** –.

***Limotettix striola* (Fallén, 1806)**

**Published records.** LANG (1945a): Březová, Kalábová NM (58).

**Additional material examined.** Poteč, Ploštiny NR (12), 17.viii.2006, 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 4 ♂♂ 3 ♀♀; 10.ix.1999, 19 ♂♂ 14 ♀♀; all IM; 25.vi.2002, 7 ♂♂ 11 ♀♀, PK. Komňa, Lom Rasová NM (54), 5.vii.2001, 4 ♂♂ 5 ♀♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂; 10.ix.1998, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 11 ♂♂ 14 ♀♀; 8.viii.2007, 11 ♂♂ 4 ♀♀; 22.ix.2007, 10 ♂♂ 6 ♀♀; all IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and locally common in spring fens, on shores of ponds and in wet places in abandoned quarries. **General distribution:** Palearctic. **Host plants:** Cyperaceae (mainly *Eleocharis* spp.). **Red List status:** –.

***Linnavuoriana intercedens* (Linnavuori, 1949) (NT)**

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM. Horní Němčí, Drahy NR (48), 21.ix.2001, 3 ♂♂ 3 ♀♀, PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps widespread but quite rare and local; collected from streamside woody vegetation as well as from alder shrubs on a slope furrowed by landslides (Drahy near Horní Němčí). **General distribution:** Central and northern Europe. **Host plant:** *Alnus incana*. **Red List status:** Near-threatened.

**Comments.** In the Czech Republic, *L. intercedens* was previously known from the Šumava Mts. in southern Bohemia and lowlands in central Moravia (LAUTERER & NOVOTNÝ 1991).

***Linnavuoriana sexmaculata* (Hardy, 1850)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 2 ♂♂, IM. Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂ 1 ♀, IM. Suchov, Kazivec brook valley (47), 15.v.1998, 1 ♂; 9.ix.1998, 1 ♂, both IM. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 1 ♂, PK; 25.ix.2004, 1 ♂ 2 ♀♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 5 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 3 ♂♂ 2 ♀♀; 22.ix.2007, 3 ♂♂ 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂ 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM; 17.vi.2000, 1 ♂, IM; 28.vii.2000, 1 ♀, IM & PK. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 3 ♂♂ 1 ♀, MT, JM & PC. Velká nad Veličkou, village (87), 9.ix.2000, 5 ♂♂ 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 4 ♂♂ 3 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♂♂, IM.

Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♂ 2 ♀♀; all IM. Strání, Záhumenice NM (104), 15.vi.2010, 3 ♂♂ 1 ♀, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, e.g. near standing or running water, in wet places in grasslands, at the bottom of abandoned quarries, etc. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (*S. viminalis*, *S. cinerea*, *S. caprea*, *S. aurita*, *S. alba*, *S. elaeagnos*). **Red List status:** –.

#### *Macropsis cerea* (Germar, 1837)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM; 14.viii.2006, 1 ♀, PK. Javorník, Machová NR (102), 9.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare: recorded from wet places in three sites in the south-western and north-eastern parts of the area. **General distribution:** Palaearctic. **Host plants:** *Salix* spp. (*S. viminalis*, *S. triandra*, *S. fragilis*, *S. cinerea*, *S. caprea*, *S. aurita*, *S. purpurea*, *S. myrsinifolia*). **Red List status:** –.

#### *Macropsis elaeagni* Emeljanov, 1964

**Material examined.** Nedašov, village (15), 17.viii.2006, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from ornamental vegetation in a village in the north-eastern part of the area. **General distribution:** Central Asia, Kazakhstan, southern Russia, introduced to southern parts of Europe. **Host plant:** *Elaeagnos angustifolia*. **Red List status:** –.

**Comments.** *Macropsis elaeagni* is an allochthonous species in the Czech Republic occurring mainly in parks and gardens in cities and villages; it has been recorded from southern Moravia (LAUTERER 1984, MALENOVSKÝ & LAUTERER 2006a).

#### *Macropsis fuscinervis* (Boheman, 1845)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 2 ♂♂; 11.vii.2006, 2 ♀♀; all IM. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 1 ♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 4 ♀♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 3 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area at margins of small woods scattered in meadows and pastures. **General distribution:** Palaearctic. **Host plant:** *Populus tremula*. **Red List status:** –.

#### *Macropsis fuscula* (Zetterstedt, 1828)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Poteč, Ploščiny NR (12), 17.viii.2006, 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂ 2 ♀♀, IM; 14.viii.2006, 1 ♀, PK. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Lopeník, Mikulčin vrch hill (65), 24.vii.2005, 3 ♂♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 3 ♂♂ 2 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 28.vii.2001, 3 ♂♂ 4 ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area at forest margins and in forest glades. **General distribution:** Palaearctic. **Host plants:** *Rubus* spp. (*R. idaeus*, *R. caesius*, *R. fruticosus* agg.). **Red List status:** –.

***Macropsis glandacea* (Fieber, 1868)**

**(EN)**

**Material examined.** Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from a forest road margin at only one site in the south-western part of the area. **General distribution:** European. **Host plants:** *Ulmus* spp. (mainly *U. minor* and hybrids, *U. laevis*). **Red List status:** Endangered.

**Comments.** *Macropsis glandacea* is a sporadically recorded species in the Czech Republic, known e.g. from the environs of Prague in central Bohemia and the Pavlovské vrchy Hills in southern Moravia (DLABOLA 1954, 1956).

***Macropsis graminea* (Fabricius, 1798)**

**Material examined.** Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂ 2 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂, IM. Hrubá Vrbka, football ground (82), 19.vi.2000, 2 ♀♀, IM & PK; 28.vii.2001, 3 ♀♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from several sites in the south-western and central parts of the area, mostly at relatively low altitudes, e.g. on streamside woody vegetation, windbreaks, along roads and in an abandoned quarry. **General distribution:** Western Palaearctic, introduced to North America. **Host plants:** *Populus nigra* and perhaps also its hybrids. **Red List status:** –.

***Macropsis gravesteini* Wagner, 1953**

**(Fig. 12)**

**Material examined.** Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂ 14 ♀♀, IM & PK. Velká nad Veličkou, village (87), 19.vi.2000, 5 ♀♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected from willows bordering ways at two, relatively warm sites at the south-western foothills of the Bílé Karpaty Mts. **General distribution:** European. **Host plants:** *Salix alba*, *S. fragilis*. **Red List status:** Not evaluated.

**Comments.** *Macropsis gravesteini* has been recorded from the Czech Republic only for Bohemia (DLABOLA 1977; the corresponding material in Dlabola collection in the Muséum national d'Histoire naturelle in Paris comes from north-western Bohemia:

Vinné, 3.ix.1956, J. Dlabola leg., 1 ♀). Here we report it for the first time also for Moravia. Based on an unpublished material from the collections of the Moravian Museum, Brno, it also occurs on some other places of southern Moravia.

### ***Macropsis haupti* Wagner, 1941**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although usually recorded in low numbers of specimens, near brooks and springs.

**General distribution:** European. **Host plants:** *Salix* spp. (monophagous on *S. purpurea* in central Europe). **Red List status:** –.

### ***Macropsis infusata* (J. Sahlberg, 1871)**

**Material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 2 ♂♂, IM; 11.vii.2006, 2 ♂♂ 4 ♀♀, IM. Nedašov, Jalovcová stráň NR (17), 17.vi.2006, 1 ♂; 12.vii.2006, 1 ♂ 2 ♀♀; all IM, PK. Strání, Důbrava hill (62), 7.vii.1980, 2 ♂♂ 1 ♀, 3 larvae, PL. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 3 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 3 ♂♂, MT, JM & PC. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 4 ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area; at forest margins, in forest glades, along roads, and on solitary trees in meadows and pastures. **General distribution:** European. **Host plants:** *Salix caprea*, *S. myrsinifolia*. **Red List status:** –.

### ***Macropsis marginata* (Herrich-Schäffer, 1836)**

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂ 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 7 ♂♂ 7 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂ 16 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 3 ♂♂ 11 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂ 2 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂ 2 ♀♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 5 ♀♀, IM. Strání, Záhumenice NM (104), 8.vi.2001, 28 ♂♂ 5 ♀♀, 5 larvae, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and locally common, e.g. near springs, in abandoned quarries or along streams. **General distribution:** European. **Host plants:** *Salix* spp. (monophagous on *S. purpurea* in central Europe). **Red List status:** –.

### ***Macropsis najas* Nast, 1981**

**Material examined.** Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site at the south-western foothills of the Bílé Karpaty Mts. **General distribution:** Central Europe. **Host plant:** *Salix alba*. **Red List status:** –.

***Macropsis notata* (Prohaska, 1923)**

**Material examined.** Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 3 ♀♀, PL. Vápenice, Krátkovský potok brook valley (66), 6.vii.2001, 3 ♀♀, IM & PK. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded mainly from valleys of brooks in the south-western and central parts of the area. **General distribution:** Palearctic. **Host plants:** *Salix triandra*, *S. fragilis*. **Red List status:** –.

***Macropsis ocellata* Provancher, 1872**

= *Macropsis albae* Wagner, 1950

**Material examined.** Radějov, Žerotín NM (73), 11.vii.1998, 2 ♂♂ 2 ♀♀, IM. Radějov, Lučina (76), 28.vii.2000, 2 ♀♀, IM & PK; 17.vi.2000, 1 ♀, IM; 20.ix.2001, 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2 ♂♂ 5 ♀♀, IM & PK. Malá Vrbka, village (81), 19.vi.2000, 1 ♂ 1 ♀, IM & PK. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂ 4 ♀♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps restricted to the south-western foothills of the area; near springs and ponds as well as on ornamental weeping willows in villages. **General distribution:** Europe, introduced to North America. **Host plant:** *Salix alba*. **Red List status:** –.

***Macropsis prasina* (Boheman, 1852)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site in the south-western part of the area, but perhaps under-recorded; in wet places in meadows and in a brook floodplain. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (*S. cinerea*, *S. viminalis*, *S. aurita*, and *S. caprea*). **Red List status:** –.

***Macropsis vicina* (Horváth, 1897)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 3 ♀♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably restricted to the relatively warm, south-western part of the area; at forest margins and along roads in brook floodplains. **General distribution:** Eurosiberian, introduced to North America. **Host plant:** *Populus alba*. **Red List status:** –.

***Macrosteles cristatus* (Ribaut, 1927)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 2 ♂♂; 13.ix.1999, LT, 3 ♂♂; all IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 4 ♂♂, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 15 ♂♂ 8 ♀♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 13 ♂♂ 16 ♀♀, IM. Valašské Klobouky, Královec hill (11), 10.ix.1999, many ♂♂ ♀♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 3 ♂♂, IM; 1.vi.2002, 4 ♂♂, IM; 17.viii.2006, 3 ♂♂, PK. Brumov, Uhličky (14), 30.vi.2004, 1 ♂; 1.ix.2004, 1 ♂ 3 ♀♀ 1 larva; all IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 8 ♂♂, PL. Bylnice, railway station environs (27), 11.ix.1999, 3 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Korytná, Břeží (46), 5.vii.2001, 2 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 11 ♂♂, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂; 10.ix.1998, 3 ♂♂; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 7 ♂♂, IM. Vyškovec, Pod Hřibovňou NM (70), 8.ix.2005, 2 ♂♂, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 21 ♂♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 21 ♂♂, IM. Strání, Záhumenice NM (104), 20.vii.2002, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; locally common in dry to wet habitats in early successional stages, e.g. on banks of streams and shores of ponds, in abandoned fields and quarries, and forest glades. **General distribution:** Eurosiberian. **Host plants:** Polyphagous (mainly on Poaceae). **Red List status:** –.

***Macrosteles fieberi* (Edwards, 1889)**

**(VU)**

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, only one specimen was collected in a complex of dry to wet ruderal habitats in the north-eastern part of the area. **General distribution:** Holarctic. **Host plant:** *Eriophorum angustifolium* (but probably also on other plants in the Czech Republic). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic, *M. fieberi* is a rare species occurring in peaty meadows e.g. in the Bohemian-Moravian Highlands but there are also populations living in lowlands of southern Moravia in salt marshes (e.g. the Nesyt pond near Sedlec). DLABOLA (1954) recorded the species from two localities in south-eastern Moravia quite near to the Bílé Karpaty PLA (Strážnice and Uherský Ostroh).

***Macrosteles frontalis* (Scott, 1875)**

**Material examined.** Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare: recorded at only one site (a bottom of an abandoned quarry with a mosaic of dry to wet habitats in early successional stages) in the central part of the area. **General distribution:** Holarctic. **Host plants:** *Equisetum* spp. (*E. arvense*, *E. palustre*). **Red List status:** –.

***Macrosteles horvathi* (Wagner, 1935)**

(VU)

**Published records.** LANG (1945a): Březová, Kalábová NM (58).**Additional material examined.** Poteč, Ploščíny NR (12), 1.vi.2002, 1 ♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, ? ♀♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♂, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂; 24.v.2002, 2 ♂♂ 1 ♀; all IM.**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but local and rare: in spring fens disturbed by cattle or game and at wet places on bottoms of abandoned quarries or loampits. **General distribution:** Eurosiberian. **Host plants:** *Juncus* spp. (*J. articulatus*, *J. gerardii*, *J. bufonius*). **Red List status:** Vulnerable.**Comments.** A rare and local species, otherwise known from the Czech Republic e.g. from the foothills of the Krkonoše Mts. in north-eastern Bohemia (DLABOLA 1954).***Macrosteles laevis* (Ribaut, 1927)****Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58).**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 3 ♂♂; 13.ix.1999, LT, 1 ♂; all IM. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 2 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 6 ♂♂, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂, IM. Poteč, Ploščíny NR (12), 13.ix.1999, 2 ♂♂, IM; 1.vi.2002, 4 ♂♂, IM; 24.viii.2002, 3 ♂♂ 2 ♀♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀, IM; 14.viii.2006, 2 ♂♂, PK. Brumov, Uhličky (14), 30.vi.2004, 2 ♂♂ 1 ♀; 5.x.2004, 1 ♂ 1 ♀; all IM; 28.vii.2005, 1 ♂ 1 larva; 4.ix.2005, 2 ♀♀; all PK. Nedašov, Jalovcová stráň NR (17), 16.viii.2006, 1 ♂ 2 ♀♀, PK. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♂ 2 ♀♀, PK. Bylnice, railway station environs (27), 11.ix.1999, 8 ♂♂, IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 19 ♂♂, IM. Boršice. Boršický potok brook valley (41), 16.viii.1984, 1 ♂, PL. Korytná, Břeží (46), 5.vii.2001, 7 ♂♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 6 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 6 ♂♂, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 34 ♂♂ 55 ♀♀, IM; 13.viii.2001, 57 ♂♂ 64 ♀♀ 49 larvae, PK; 21.ix.2001, 12 ♂♂ 18 ♀♀ 10 larvae, PK; 23.v.2002, 4 ♂♂ 3 ♀♀ 6 larvae, IM & PK; 20.vii.2002, 59 ♂♂ 57 ♀♀ 10 larvae, IM; 10.ix.2002, 132 ♂♂ 149 ♀♀ 84 larvae, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 1 ♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 3 ♂♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 8 ♂♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 10 ♂♂ 7 ♀♀, IM & PK; 9.viii.2001, 7 ♂♂ 10 ♀♀, PK; 21.ix.2001, 53 ♂♂ 36 ♀♀ 7 larvae, IM; 23.v.2002, 1 ♂ 1 ♀ 1 larva, IM; 20.vii.2002, 7 ♂♂ 2 ♀♀ 3 larvae, IM; 12.ix.2002, 25 ♂♂ 25 ♀♀ 12 larvae, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 4 ♂♂ 5 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 2 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 7 ♂♂ 16 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 10 ♂♂ 9 ♀♀; all IM. Výchovec, Výchovecké Bošačky (69), 27.vi.2004, ? ♀, IM; 25.ix.2004, ? ♀, PK; 24.vii.2005, ? ♀, PK; 3.ix.2005, ? ♀♀ 2 larvae, PK. Výchovec, Pod Hřibovňou NM (70), 8.ix.2005, 2 ♂♂, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 3 ♂♂, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 34 ♂♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL; 8.ix.1998, 13 ♂♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂, IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 2 ♂♂ 4 ♀♀, PK; 26.v.2005, 1 ♂, IM; 1.ix.2005, 2 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 3 ♂♂ 3 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 1 ♀, IM. Javorník, Jazeví NNR (96), 10.ix.2000, 1 ♂ 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 1 ♀; 2.ix.2004, 26 ♂♂ 15 ♀♀ 5 larvae; 1.x.2004, 5 ♂♂ 6 ♀♀; 26.v.2005, 1 larva; 1.ix.2005, 1 ♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 4 ♂♂ 1 ♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♂ 1 ♀, IM; 9.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 3 ♂♂ 3 ♀♀ 5 larvae, IM.**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; particularly common in intensively used pastures, on shores of water, in abandoned fields and on waysides but present in low numbers of specimens also in various other habitats.



**General distribution:** Holarctic. **Host plants:** Polyphagous (mainly on Poaceae, Cyperaceae, and Juncaceae). **Red List status:** –.

***Macrosteles maculosus* (Then, 1897)**

**Material examined.** Komňa, Lom Rasová NM (54), 5.vii.2001, 4 ♀♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 2 ♂♂ 1 ♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: known from only two sites in the central and south-western parts of the area; perhaps associated with disturbed habitats or early successional stages. **General distribution:** Central and southern Europe. **Host plant:** *Picris hieracioides*. **Red List status:** –.

***Macrosteles sardus* Ribaut, 1948**

**Material examined.** Poteč, Ploščiny NR (12), 1.vi.2002, 28 ♂♂ 14 ♀♀, IM; 24.viii.2002, 1 ♂ 4 ♀♀, PK. Malá Vrbka, Výzkum hill (80), 28.vii.2001, 1 ♂, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in only two places in the north-eastern and south-western parts of the area: a forest glade and abandoned field. **General distribution:** Western Palaearctic. **Host plant:** Probably *Epilobium hirsutum*. **Red List status:** –.

***Macrosteles septemnotatus* (Fallén, 1806) (NT)**

**Material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 2 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♀; 1.ix.2004, 40 ♂♂ 20 ♀♀ 26 larvae; 5.x.2004, 2 ♂♂ 5 ♀♀ 1 larva; 28.vii.2005, 1 ♀; 6.ix.2005, 1 ♂ 3 ♀♀ 1 larva; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Apparently restricted to quite cool and wet habitats in the north-eastern part of the area. **General distribution:** Eurosiberian. **Host plant:** *Filipendula ulmaria*. **Red List status:** Near-threatened.

***Macrosteles sexnotatus* (Fallén, 1806)**

**Published records.** LANG (1945a): Březová, Kalábová NM (58).

**Additional material examined.** Bylnice, railway station environs (27), 11.ix.1999, 24 ♂♂, IM. Sidonie, Vlárka brook valley above village (31), 8.ix.1981, 1 ♂, LP. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 36 ♂♂, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 3 ♂♂, IM. Boršice. Boršický potok brook valley (41), 16.viii.1984, 1 ♂, PL. Korytná, Lubná pond environs (56), 5.vii.2001, 3 ♂♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Strání, Obecnice hill (60), 23.v.2002, 1 ♂, IM & PK. Javorník, village (92), 8.viii.2001, 1 ♂, PK. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area and locally common in disturbed wet places, mainly on stream banks and shores of ponds and in pastures. **General distribution:** Palaearctic. **Host plants:** Polyphagous (mainly on Poaceae, Cyperaceae and Juncaceae). **Red List status:** –.

***Macrosteles variatus* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Horní Němčí, Drahý NR (48), 10.ix.2002, 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare in eutrophicated, moderately wet places in the south-western part of the area; perhaps under-recorded.

**General distribution:** European. **Host plants:** *Urtica dioica*. **Red List status:** –.

***Macrosteles viridigriseus* (Edwards, 1922)**

**Material examined.** Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 4 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL. Javorník, village (92), 24.v.2002, 2 ♂♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite scattered and local in the south-western and central parts of the area; in open, disturbed wet habitats, mainly on shores of ponds and stream banks, and also on the bottom of an abandoned quarry.

**General distribution:** European. **Host plants:** Polyphagous on Poaceae and Cyperaceae. **Red List status:** –.

***Megophthalmus scanicus* (Fallén, 1806)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH; 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂ 3 ♀♀, IM. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂ 1 larva, IM; 4.vii.–6.viii.2005, 1 ♂, PT, KR. Nedašov, village (15), 3.vii.1999, 1 ♂, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 6 ♂♂, IM; 16.viii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 4.vii.–6.viii.2005, 2 ♂♂, PT, KR. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 6 ♂♂, IM. Suchov, Búrová NNM (43), 13.vii.1998, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♂, PL. Korytná, Břeží (46), 5.vii.2001, 1 ♂, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 4 ♀♀, IM. Horní Němčí, Vinohrádky (49), 22.vi.–24.vii.2003, 1 ♀; 22.viii.–27.ix.2003, 1 ♀; both PT, KR. Vápenice, Trstná brook valley (55), 6.vii.2001, 10 ♂♂ 1 ♀, IM & PK. Strání, Obecnice hill (60), 24.v.2001, 1 larva, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♂, IM; 26.vii.–26.viii.2005, 1 ♂, PT, KR. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM; 26.vi.–26.vii.2005, 1 larva; 26.vii.–26.viii.2005, 1 ♂; both PT, KR. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂; 8.viii.2007, 1 ♂; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂, IM. Výskovec, Výskovecké Bošačky (69), 19.viii.2004, 1 ♀; 24.vii.2005, 3 ♂♂ 1 ♀; 3.ix.2005, 1 ♀; all PK. Výskovec, Pod Hřibovňou NM (70), 24.vii.2005, 1 ♀, PK. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂; 28.vii.2000, 2 ♂♂ 1 ♀; all IM. Malá Vrbka, Výzkum hill (80), 4.iii.–8.iv.2000, 2 ♀♀, PT, PBz; 18.vi.2000, 15 ♂♂ 2 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 4 ♀♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM. Radějov, Kútky NR (86), 11.vii.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 3 ♂♂ 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂ 4 ♀♀; 9.–10.ix.2000, 7 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 larva; 27.vii.2005, 1 ♂; 1.ix.2005, 1 ♀; all IM. Suchov, Trnovský Mlýn (90), 4.vii.–6.viii.2005, 1 ♂, PT, KR. Javorník, Nad Vápenkou NM (94), 7.ix.1998, 6 ♀♀; 7.ix.2002, 1 ♀; all IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 19 ♂♂ 1 ♀; 10.ix.2000, 6 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 26.vi.2001, 3 ♂♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 4 ♂♂ 1 ♀; 9.ix.1998, 3 ♀♀; all IM. Strání,

Záhumenice NM (104), 2.vii.2001, 12 ♂♂ 2 ♀♀, PK; 21.ix.2001, 8 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area. **General distribution:** Western Palaearctic. **Host plants:** Fabaceae (e.g. *Trifolium*, *Medicago*, *Lupus*). **Red List status:** –.

#### *Metalimnus steini* (Fieber, 1869)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79) [cited as *Metalimnus formosus* (Boheman, 1845), misidentified]. MALENOVSKÝ & LAUTERER (2010): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Kněždub, Čertoryje NNR, Radějovka brook valley (79); Radějov, Měsíční údolí valley (84); Radějov, Kútky NR (86).

**Additional material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 1 ♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite uncommon; in moderately wet habitats, e.g. in disturbed places in brook floodplains or in spring fens in pastures. **General distribution:** European. **Host plant:** *Carex hirta*. **Red List status:** –.

**Comments.** The distribution of *M. steini* in the Czech Republic was mapped by MALENOVSKÝ & LAUTERER (2010); the species has been recorded largely from south-eastern Moravia.

#### *Metidiocerus rutilans* (Kirschbaum, 1868)

**Material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 1 ♀, IM; 11.vii.2006, 1 ♀, IM. Bylnice, railway station environs (27), 21.v.1999, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Radějov, Lučina (76), 28.vii.2000, 2 ♀♀, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but only rarely recorded; mainly near standing or running water. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (*S. viminalis*, *S. purpurea*, *S. triandra*, *S. alba*, *S. elaeagnos*, *S. fragilis*, *S. caprea*). **Red List status:** –.

**Comments.** *Metidiocerus rutilans* was published from Moravia (Černovír near Olomouc) by DLABOLA (1952). Based on a revision of the corresponding specimens in Dlabola's collection in the Muséum national d'Histoire naturelle in Paris, the identification is correct. Nevertheless, the species was later omitted in the monograph on the Czechoslovak fauna (DLABOLA 1954), as well as in the check-list (DLABOLA 1977). It is probably widespread in the whole country, including Bohemia (e.g. MALENOVSKÝ 2006).

#### *Mocystia crocea* (Herrich-Schäffer, 1837)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂, IM. Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂; 1.vi.2002, 1 ♀; both IM. Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 1 ♂ 2 ♀♀, PK. Brumov, Uhlíčky (14), 1.ix.2004, 2 larvae, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♀; 10.ix.1999, 1 ♂ 1 ♀; 30.vi.2004, 1 ♀; 1.ix.2004, 2 ♂♂ 1 larva; 28.v.2005, 1 ♀; 28.vii.2005, 4 larvae; 6.ix.2005, 1 ♂; all IM. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♂ 1 ♀ 2 larvae, IM; 28.vii.2005, 2 larvae, PK; 4.vii.–6.viii.2005, 1 larva, PT, KR. Hluk, Kobylí hlava NM (35), 24.viii.2002, 3 ♀♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 3 ♂♂ 2 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 16.viii.2009, 1 ♀, PB. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀; 10.ix.1998, several ♂♂ ♀♀; all IM; 30.vi.2001, 27 larvae, IM & PK; 13.viii.2001, 3 ♂♂ 2 larvae, PK; 21.vii.2002, 2 ♂♂ 2 ♀♀ 13 larvae, IM; 10.ix.2002, 1 ♂ 1 ♀, IM. Horní Němčí, Vinohrádky (49), 13.viii.2001, 1 larva, PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 3 ♀♀; 22.ix.2007, 1 ♂ 1 ♀; all IM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 ♂ 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂ 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♀; 13.vii.1998, 1 ♀; 18.iv.2000, 2 ♂♂ 1 ♀; 9.–10.ix.2000, 2 ♂♂ 3 ♀♀; all IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 1 ♂ 2 larvae, PK; 1.x.2004, 1 ♂, IM; 26.v.2005, 2 ♀♀, IM; 27.vii.2005, 9 larvae, IM. Javorník, Nad Vápenkou NM (94), 7.ix.1998, several ♂♂ ♀♀; 7.ix.2002, 2 ♂♂, IM. Javorník, loampit W of village (95), 24.v.2002, 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 2 larvae; 23.ix.2001, 1 ♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 21.ix.2001, 1 larva, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common among tall grass in open sites throughout the area, e.g. in neglected parts of meadows, ruderal sites, and along forest margins. **General distribution:** European. **Host plants:** Poaceae (*Brachypodium pinnatum*, *Bromus erectus*, *Calamagrostis epigejos*, *Elytrigia repens*). **Red List status:** –.

#### *Mocydiopsis longicauda* Remane, 1961

(VU)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38) [cited as “*Mocydia attenuata* Germ.”, misidentified].

**Additional material examined.** Hluk, Babí hora NM (36), 24.viii.2002, 10 ♂♂ 11 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 2 ♂♂ 2 ♀♀, IM; 30.vi.2001, 9 larvae, PK; 21.ix.2001, 2 ♀♀, PK; 21.vii.2002, 2 ♂♂ 1 ♀, IM; 10.ix.2002, 1 ♂, IM; 24.vii.–22.viii.2003, 1 ♀, PT, KR. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 3 ♀♀, IM; 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 8 ♂♂ 8 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♀; 7.ix.1998, 3 ♂♂ 1 ♀; 7.ix.2002, 3 ♂♂ 2 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to open xerothermic sites in the south-western and central parts of the area, locally common in fragments of dry grassland. **General distribution:** Central and southern Europe. **Host plants:** Fine-leaved *Festuca* spp. (*F. rupicola* in the Bílé Karpaty PLA). **Red List status:** Vulnerable.

**Comments.** Widespread in dry grassland sites in relatively warm areas of the Czech Republic: central Bohemia and southern Moravia (REMANE 1961, LAUTERER 2000, MALENOVSKÝ 2006, MALENOVSKÝ *et al.* 2011).

#### *Neoliturus fenestratus* (Herrich-Schäffer, 1834)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Nedašov, Jalovcová stráž NR (17), 6.ix.2005, 1 ♂, IM. Korytná, Březi (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀; 30.vi.2001, 1 ♀; all IM; 21.ix.2001, 3 ♂♂, PK; 10.ix.2002, 2 ♂♂ 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♂, IM; 21.ix.2001, 1 ♂, PK; 20.vii.2002, 1 larva, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂, IM. Strání, Obecnice hill (60), 21.ix.2001, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀; 22.ix.2007, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 6 ♂♂ 3 ♀♀; 8.ix.2000, 2 ♂♂ 1 ♀ 1 larva; 22.vi.2001, 6 ♂♂ 5 ♀♀; 20.ix.2001, 116 ♂♂ 54 ♀♀ 21 larvae; all IM & PK. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♂, PK; 20.ix.2001, 1 ♀, IM. Hrubá Vrbka, village (83), 27.–29.vi.2008, 1 ♂, ZM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 1 ♀, IM. Suchov, Suchovské Mlýny (89), 1.x.2004, 12 ♂♂ 7 ♀♀; 1.ix.2005, 1 ♀; all IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂, IM. Strání, Záhumenice NM (104), 20.vii.2002, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although generally quite local and more common in the south-west; in abandoned fields, sunny pastures, and fragments of dry grasslands. **General distribution:** Western Palearctic. **Host plants:** Asteraceae (e.g. *Leontodon* spp.). **Red List status:** –.

**Comments.** The males from the Bílé Karpaty PLA correspond to *N. fenestratus* s.str. according to TISHECHKIN (2007).

#### *Notus flavipennis* (Zetterstedt, 1828)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Bylnice, railway station environs (27), 11.ix.1999, 6 ♂♂ 11 ♀♀, IM. Nedašov, Na Salaši (29), 10.ix.1999, 8 ♂♂ 12 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♀, PB. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 20.viii.2002, 1 ♂ 2 ♀♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area but only locally common; confined to tall-sedge stands, mainly near standing or slowly running water, rarely also in spring fens. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (*C. acutiformis*, *C. acuta*, *C. nigra*, *C. rostrata*, *C. vesicaria*, *C. paniculata*, *C. disticha*), *Bolboschoenus maritimus*. **Red List status:** –.

#### *Oncopsis alni* (Schrank, 1801)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 2 ♂♂ 7 ♀♀, MH. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 3 ♂♂, IM. Bylnice, railway station environs (27), 1.vii.1999, 9 ♀♀, MH & PK. Blatnička, Milejovské louky meadows (39), 11.vii.2009, 1 ♀, PB. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 3 ♀♀; 23.v.2002, 2 ♂♂; all IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Vápenice, Krátkovský potok brook valley (66), 6.vii.2001, 1 ♂, IM & PK. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM; 17.vi.2000, 1 ♀, IM; 22.vi.2001, 1 ♀, IM & PK. Kněždub, Čertoryje NNR (77, 79), 22.v.2000, 1 ♂, PK. Strání, Záhumenice NM (104), 15.vi.2010, 5 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common throughout the area, usually near standing or running water. **General distribution:** European. **Host plants:** *Alnus glutinosa*, *A. incana*. **Red List status:** –.

### ***Oncopsis appendiculata* Wagner, 1944**

**Material examined.** Komňa, Lom Rasová NM (54), 5.vii.2001, 1♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 2♂♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected on solitary birches (*Betula pendula*) at only two sites: an abandoned quarry in the central part of the area and a village in the south-west. **General distribution:** European. **Host plants:** *Betula pendula*, *B. pubescens*. **Red List status:** –.

**Comments.** *Oncopsis appendiculata* is apparently a rare and local species in the Czech Republic: the only previously published records from the country are from the city of Brno (MALENOVSKÝ & LAUTERER 2005b).

### ***Oncopsis carpini* (J. Sahlberg, 1871)**

**Material examined.** Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1♂ 3♀♀, MH. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1♂, PK; 16.vi.2006, 8♂♂, IM; 11.vii.2006, 3♂♂ 8♀♀, IM. Nedašov, Jalovcová stráň NR (17), 17.vi.2006, 1♂, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1♀, PK. Horní Němčí, Drahy NR (48), 23.v.2002, 1♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 1♀, IM. Strání, Důbrava hill (62), 7.vii.1980, 1♂, PL. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 2♀♀, IM & PK. Radějov, Kútky NR (86), 2.vi.1979, 3♂♂ 2♀♀, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 19.vi.2000, 1♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 2♂♂ 2♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common along forest margins throughout the area. **General distribution:** European. **Host plant:** *Carpinus betulus*. **Red List status:** –.

### ***Oncopsis flavicollis* (Linnaeus, 1761)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 19.v.1999, 3♂♂ 3♀♀, IM. Valašské Klobouky, U Rybníků (6), 22.v.1999, 1♂, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 2♂♂, IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1♀; 2.vii.1999, 1♂ 1♀; all IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 1♂, IM. Poteč, Ploštiny NR (12), 4.vii.1999, 1♂ 2♀♀; 1.vi.2002, 1♂ 7♀♀; all IM. Valašské Klobouky, Bílé potoky NR (13), 19.v.1999, 2♂♂; 16.vi.2006, 7♂♂; all IM. Nedašov, Jalovcová stráň NR (17), 17.vi.2006, 21♂♂ 7♀♀; 12.vii.2006, 1♂ 1♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 4♂♂, IM; 12.vii.2006, 2♂♂ 2♀♀, IM. Nedašov, Kaňúr hill and Hrušová dolina valley (19), 20.v.1999, 2♂♂, IM. Bylnice, Na Stráži (25), 16.vi.2006, 1♀, IM. Bylnice, railway station environs (27), 21.v.1999, 1♂, IM; 1.vii.1999, 1♀, MH & PK. Nedašov, Pod Cigánem NM (30), 28.v.2005, 1♂ 1♀ 1 larva, IM. Korytná, Březí (46), 5.vii.2001, 1♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1♂ 1♀; 23.v.2002, 5♂♂; all IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1♂, IM & PK. Strání, village (61), 16.v.1998, 1♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2♀♀, IM. Radějov, Lučina (76), 7.v.2000, 2♀♀, IM; 22.vi.2001, 2♀♀, IM & PK. Velká nad Veličkou, village (87), 19.vi.2000, 2♂♂ 3♀♀, PK. Javorník, village (92), 6.v.2000, many♂♂♀♀; 24.v.2002, 4♂♂ 5♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on birches (*Betula pendula*) in various habitats throughout the area: meadows and pastures, small woods, as well as villages. **General distribution:** Palaearctic. **Host plants:** *Betula pendula*, *B. pubescens*. **Red List status:** –.

### ***Oncopsis subangulata* (J. Sahlberg, 1871)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Poteč, Ploščiny NR (12), 1.vi.2002, 4 ♂♂ 6 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 2 ♀♀; 11.vii.2006, 2 ♀♀; all IM. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♀; 17.vi.2006, 3 ♀♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 2 ♀♀, IM; 12.vii.2006, 2 ♀♀, IM. Bylnice, railway station environs (27), 1.vii.1999, 1 ♀, MH & PK. Horní Němčí, Drahy NR (48), 23.v.2002, 2 ♂♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Javorník, village (92), 24.v.2002, 13 ♂♂ 14 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and locally common on birches (*Betula pendula*) in various habitats throughout the area. **General distribution:** European. **Host plants:** *Betula pendula*, *B. pubescens*. **Red List status:** –.

### ***Oncopsis tristis* (Zetterstedt, 1840)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂ 6 ♀♀, IM; 13.ix.1999, 6 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 12.vii.2006, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 2 ♀♀, IM & PK. Radějov, Lučina (76), 17.vi.2000, 1 ♀, IM; 22.vi.2001, 1 ♂, IM & PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread on birches throughout the area, e.g. in pastures and forest glades, although quite rarely collected. **General distribution:** Eurosiberian. **Host plants:** *Betula pendula*, *B. pubescens*. **Red List status:** –.

### ***Ophiola decumana* (Kontkanen, 1949)**

**Material examined.** Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♀, IM. Strání, Obecnice hill (60), 21.ix.2001, 1 ♀, IM. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 2 ♂♂ 3 ♀♀; 22.vi.2001, 12 ♂♂ 8 ♀♀; 28.vii.2001, 1 ♀; 20.ix.2001, 3 ♂♂ 3 ♀♀; all IM & PK. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂, IM. Javorník, Petruchovy Mlýny (97), 29.vi.2001, 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite local in abandoned fields, pastures, and forest glades in the south-western and central parts of the area. **General distribution:** Eurosiberian. **Host plants:** *Polygonum aviculare* agg., *Rumex acetosella*, *Vaccinium myrtillus*, *Calluna vulgaris*. **Red List status:** –.

### ***Ossiannilssonola callosa* (Then, 1886)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 1 ♂, LT, IM. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 1 ♂ 4 ♀♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 6 ♀♀; 28.vii.2000, 1 ♀; all IM; 22.vi.2001, 3 ♂♂ 3 ♀♀, IM & PK; 20.ix.2001, 1 ♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite common at forest margins. **General distribution:** European. **Host plants:** *Acer pseudoplatanus*. **Red List status:** –.

#### *Pediopsis tiliae* (Germar, 1831)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Nedašov, village (15), 17.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 1.vii.1999, 1 ♀, PK. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 2 ♂♂, PL. Suchoy, Kazivec brook valley (47), 9.ix.1998, 2 ♀♀, IM. Horní Němčí, Uvezené NM (50a), 10.vii.2009, 2 ♀♀, ZM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♂, IM. Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♀, PK. Radějov, Žerotín NM (73), 11.vii.1998, 3 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 20.viii.2002, 3 ♀♀, PK. Velká nad Veličkou, village (87), 18.viii.2000, 1 ♀, PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀, IM. Javorník, village (92), 8.viii.2001, 2 ♀♀, PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite common at forest margins and on solitary trees in villages. **General distribution:** European. **Host plants:** *Tilia cordata*, *T. platyphyllos*. **Red List status:** –.

#### *Penthimia nigra* (Goeze, 1778)

**Material examined.** Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 4 larvae, IM. Javorník, Jazevčí NNR (96), 12.v.–2.vi.2009, 1 ♀, MT, PC, JJ & JM. Kněždub, Kněždubský háj forest (75), 20.ix.2001, 1 larva, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 2 ♀♀; 27.vii.2000, 1 ♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare and local at sunny forest margins in the south-western and central parts of the area. **General distribution:** Central and southern Europe, Mediterranean area. **Host plants:** Polyphagous on deciduous trees (e.g. *Quercus* spp., *Populus* spp., *Robinia pseudoacacia*). **Red List status:** –.

#### *Pithyotettix abietinus* (Fallén, 1806)

**Material examined.** Valašské Klobouky, Královec hill (11), 2.vii.1999, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀, IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but only rarely recorded; at spruce forests margins, as well as in a cemetery in a village. **General distribution:** Eurosiberian. **Host plant:** *Picea abies*. **Red List status:** –.

#### *Planaphrodes bifasciata* (Linnaeus, 1758)

**Material examined.** Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one site (a xerothermic pasture) in the south-western part of the area but perhaps under-recorded



(living close to the ground and only rarely recorded by sweeping). **General distribution:** European. **Host plants:** Poaceae (*Avenula pubescens*, *Brachypodium pinnatum*, *Briza media*, *Bromus erectus*, *Festuca ovina*, *F. rubra*, *Trisetum flavescens*), *Carex flacca*. **Red List status:** –.

***Planaphrodes nigrita* (Kirschbaum, 1868)**

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂, PK. Vápenice, Trstná brook valley (55), 6.vii.2001, ?1 larva, IM & PK. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but perhaps under-recorded; in forest undergrowth and along forest roads. **General distribution:** European. **Host plants:** Probably on Poaceae. **Red List status:** –.

***Planaphrodes trifasciata* (Geoffroy, 1785)**

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57).

**Distribution and frequency in the Bílé Karpaty PLA:** Known from only one historical record from 1944, not re-collected in the course of the recent survey. **General distribution:** Eurosiberian. **Host plants:** Probably Poaceae, perhaps also dwarf shrubs (*Calluna vulgaris*, *Thymus* spp.). **Red List status:** –.

**Comments.** *Planaphrodes trifasciata* is a species with an epigeic, lifestyle. It may have been under-recorded in the Bílé Karpaty PLA as the main collecting method in this study was sweeping which is, generally, not very effective to sample *Planaphrodes* spp. *P. trifasciata*, however, prefers more or less open, sunny, sparsely vegetated sites (e.g. xerothermic grasslands, heaths, relict pine woods) and may have declined in the area in recent years because of a habitat loss. In other areas of the Czech Republic, it occurs e.g. in dry grasslands and sands of the Pannonian part of Moravia and heaths and pine woods of northern Bohemia (DLABOLA 1954, MALENOVSKÝ 2006, MALENOVSKÝ *et al.* 2011).

***Platymetopius major* (Kirschbaum, 1868) (NT)**

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Kněždub, Čertoryje NNR, Radějovka brook valley (79), 12.viii.2008, 1 ♂ 2 ♀♀, KD & KF. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local: recently recorded only from two sites in the south-western part of the area; in species-rich meadows with scattered solitary trees and shrubs and small woods. **General distribution:** European. **Host plants:** Low herbs (e.g. *Helianthemum nummularium* – nymphs), deciduous trees (mainly *Betula pendula*, *Quercus* spp. – adults). **Red List status:** Near-threatened.

**Comments.** *Platymetopius major* is a widely distributed species in the Czech Republic, although quite uncommon; it locally occurs in warm areas being confined to spatially diverse habitats (mostly dry grassland with scattered trees and shrubs; DLABOLA 1954, MALENOVSKÝ *et al.* 2011).

***Platymetopius undatus* (De Geer, 1773)**

**(VU)**

= *Platymetopius henribauti* Dlabola, 1961

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79) [as *P. henribauti*].

**Additional material examined.** Kněždub, Čertoryje NNR, Radějovka brook valley (79), 12.viii.2008, 1 ♀, KD & KF.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local, restricted to only one site in the south-western part of the area; in dry patches of species-rich meadows on sunny slopes. **General distribution:** Europe, Caucasus. **Host plants:** Biology poorly known: perhaps on low herbs (e.g. *Helianthemum nummularium*), adults ascending also onto shrubs. **Red List status:** Vulnerable.

**Comments.** The specimens from the Bílé Karpaty PLA morphologically correspond to *P. henribauti* described from the Czech Republic by DLABOLA (1961). The status of this taxon is, however, unclear and some authors treat the name as a synonym of *P. undatus* (NICKEL & REMANE 2002, NICKEL 2003) which is provisionally followed here. *Platymetopius undatus* sensu lato is currently a rare species in the Czech Republic that may have declined in many sites in recent decades, similarly to Germany (NICKEL 2003). It is confined to well-preserved and usually extensive dry grassland areas. Historical records were summarized by DLABOLA (1954), recent ones are e.g. from the Pavlovské vrch Hills in southern Moravia.

***Populicerus albicans* (Kirschbaum, 1868)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Kněždub, Kněždubský háj forest (75), 17.vi.2000, 4 ♂♂; 28.vii.2000, 1 ♂ 1 ♀; all IM; 22.vi.2001, 2 ♂♂, IM & PK; 20.ix.2001, 2 ♀♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♀; 20.ix.2001, 1 ♀; both IM. Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to the relatively warmer, south-western part of the area; at forest margins near water, as well as in ruderal sites. **General distribution:** Western Palaearctic. **Host plant:** *Populus alba*. **Red List status:** –.

***Populicerus confusus* (Flor, 1861)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploščiny NR (12), 4.vii.1999, 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 2 ♂♂; 11.vii.2006, 1 ♀; all IM. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♂ 1 ♀, IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♀, IM; 16.viii.2006, 1 ♂ 3 ♀♀, PK. Bylnice, railway

station environs (27), 11.ix.1999, 1 ♀, IM. Nedašov, Na Salaši (29), 3.vii.1999, 1 ♂, IM. Horní Němčí, village (44), 13.viii.2001, 1 ♂, PK. Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 2 ♀♀; 30.vi.2001, 3 ♂♂ 5 ♀♀; all IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 7 ♀♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 7 ♂♂ 1 ♀; 22.ix.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♂♂; 8.viii.2007, 2 ♀♀; all IM. Radějov, Lučina (76), 17.vi.2000, 4 ♂♂ 2 ♀♀, IM; 28.vii.2000, 1 ♂ 1 ♀, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂; 10.ix.2000, 1 ♀; both IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, several ♂♂ ♀♀, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 2 ♀♀, IM. Javorník, Machová NR (102), 9.vii.1998, 3 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; near standing or running water, in wet places in grasslands, along roads and forest margins. **General distribution:** Palaearctic. **Host plants:** *Salix* spp. (*S. cinerea*, *S. aurita*, *S. caprea*, *S. viminalis*, *S. myrsinifolia*, *S. appendiculata*). **Red List status:** –.

#### *Populicerus laminatus* (Flor, 1861)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). **Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 5.x.2004, 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♂♂, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♀, IM & PK. Javorník, Jazevčí NNR (96), 19.vi.2000, 2 ♂♂ 10 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; locally common at sunny margins of small woods and scrub scattered in grasslands. **General distribution:** Eurosiberian. **Host plant:** *Populus tremula*. **Red List status:** –.

#### *Populicerus nitidissimus* (Herrich-Schäffer, 1835)

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♂, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Hrubá Vrbka, football ground (82), 19.vi.2000, 2 ♂♂; 28.vii.2001, 2 ♂♂ 1 ♀; 20.ix.2001, 4 ♀♀; all IM & PK. Velká nad Veličkou, village (87), 19.vi.2000, 2 ♀♀, PK; 9.ix.2000, 2 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but quite local; near standing and running water, on windbreaks, as well as on the bottom of an abandoned quarry. **General distribution:** Western Palaearctic. **Host plants:** *Populus nigra* and hybrids. **Red List status:** –.

#### *Populicerus populi* (Linnaeus, 1761)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). **Additional material examined.** Lipová, towards Haluzice (4), 21.viii.1984, 1 ♀, PL. Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂ 2 ♀♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Nedašov, Jalovcová stráž NR (17), 12.vii.2006, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂, IM. Lopeník,

U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀; 22.ix.2007, 1 ♀; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♀♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♂♂ 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 3 ♀♀; 28.vii.2000, 1 ♂ 1 ♀; all IM. Hrubá Vrbka, football ground (82), 20.ix.2001, 1 ♂, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♂ 4 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 11 ♂♂ 8 ♀♀; 10.ix.2000, 1 ♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂, PL. Javorník, Machová NR (102), 9.vii.1998, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, e.g. at margins of small woods scattered in grasslands. **General distribution:** Palaearctic. **Host plant:** *Populus tremula*. **Red List status:** –.

### *Psammotettix alienus* (Dahlbom, 1850)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (104).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, 2 ♂♂ 1 ♀, LT, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 2 ♂♂ 1 ♀, IM. Poteč, Ploščiny NR (12), 24.viii.2002, 3 ♂♂ 1 ♀; 17.viii.2006, 1 ♀; all PK. Valašské Klobouky, Bílé potoky NR (13), 14.viii.2006, 5 ♂♂ 4 ♀♀, PK. Brumov, Uhlíčky (14), 30.vi.2004, 9 ♂♂ 9 ♀♀; 1.ix.2004, 18 ♂♂ 18 ♀♀; 5.x.2004, 6 ♂♂ 5 ♀♀; all IM; 28.vii.2005, 4 ♂♂ 1 ♀, PK. Nedašov, Jalovcová stráž NR (17), 10.ix.1999, 1 ♂; 1.ix.2004, 4 ♀♀; 5.x.2004, 2 ♂♂ 2 ♀♀; 28.vii.2005, 2 ♂♂; 6.ix.2005, 2 ♂♂ 7 ♀♀; all IM; 16.viii.2006, 19 ♂♂ 11 ♀♀, PK. Nedašov, Kaňoury NM (18), 16.viii.2006, 5 ♂♂ 5 ♀♀, PK. Brumov, Kloboucká street (24), 2.ix.2004, 4 ♂♂ 5 ♀♀; 5.x.2004, 5 ♂♂ 7 ♀♀; 28.v.2005, 1 ♂ 1 larva; all IM; 28.vii.2005, 1 ♂ 6 ♀♀; 4.ix.2005, 1 ♂ 2 ♀♀ 1 larva; all PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 3 ♂♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Plánava hill (28), 12.ix.1999, 1 ♂ 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂ 1 ♀; 5.x.2004, 1 ♂; 28.vii.2005, 2 ♂♂ 1 ♀; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 3 ♂♂ 1 ♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♀♀; 11.vii.2009, 1 ♂; 16.viii.2009, 3 ♀♀; all PB. Boršice u Blatnice, Boršický potok brook valley (41), 16.viii.1984, 1 ♂ 1 ♀, PL. Korytná, Březí (46), 5.vii.2001, 1 ♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 3 ♂♂ 4 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂; 30.vi.2001, 3 ♂♂ 3 ♀♀; all IM; 13.viii.2001, 5 ♂♂ 4 ♀♀, PK; 21.ix.2001, 2 ♀♀, PK; 21.vii.2002, 7 ♂♂ 8 ♀♀, IM; 10.ix.2002, 15 ♂♂ 2 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 5 ♂♂ 11 ♀♀, IM; 13.viii.2001, 12 ♂♂ 9 ♀♀ 2 larvae, PK; 21.ix.2001, 2 ♂♂ 3 ♀♀ 1 larva, PK; 20.vii.2002, 29 ♂♂, IM; 10.ix.2002, 13 ♂♂, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀; 10.ix.1998, 1 ♂ 3 ♀♀; all IM. Strání, Obecnice hill (60), 24.v.2001, 3 ♀♀, IM; 2.vii.2001, 4 ♂♂ 9 ♀♀, IM & PK; 9.viii.2001, 9 ♂♂ 12 ♀♀, PK; 21.ix.2001, 14 ♂♂ 12 ♀♀, IM; 20.vii.2002, 23 ♂♂ 53 ♀♀, IM; 12.ix.2002, 6 ♂♂ 6 ♀♀, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 2 ♀♀, PK; 25.ix.2004, 3 ♂♂ 3 ♀♀, IM; 24.vii.2005, 2 ♀♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 2 ♂♂ 4 ♀♀; 24.vii.2005, 5 ♂♂ 3 ♀♀; all IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂ 1 ♀; 24.vii.2005, 1 ♂ 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 22.ix.2007, 1 ♂ 3 ♀♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 10 ♀♀; 8.viii.2007, 2 ♂♂ 1 ♀; 22.ix.2007, 1 ♂ 2 ♀♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 2 ♂♂ 1 ♀, IM; 25.ix.2004, 5 ♂♂ 13 ♀♀ 1 larva, PK; 24.vii.2005, 2 ♂♂ 2 ♀♀, PK; 3.ix.2005, 1 ♂, PK. Vyškovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♀, PK; 21.v.2005, 1 ♀, IM; 8.ix.2005, 11 ♀♀, IM. Radějov, Holý vrch hill (74), 8.ix.1998, 6 ♂♂ 10 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 2 ♀♀; 28.vii.2000, 2 ♀♀; all IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 145 ♂♂ 110 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 2 ♀♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Radějov, Kútky NR (86), 8.ix.1998, many ♂♂ ♀♀, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♀; 9.–10.ix.2000, 5 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 2 ♀♀, IM; 18.viii.2004, 12 ♂♂ 22

#### Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

♀♀, PK; 1.x.2004, 45 ♂♂ 48 ♀♀, IM; 26.v.2005, 1 ♂ 2 ♀♀, IM; 27.vii.2005, 4 ♂♂ 2 ♀♀, IM; 1.ix.2005, 2 ♂♂ 8 ♀♀, IM. Suchov, Trnovský Mlýn (90), 1.x.2004, 11 ♂♂ 6 ♀♀; 27.vii.2005, 3 ♂♂; all IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 3 ♂♂ 2 ♀♀, IM. Javorník, loampit W of village (95), 7.ix.1998, 3 ♂♂, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 5 ♀♀; 10.ix.2000, 2 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 5 ♂♂; 2.ix.2004, 24 ♂♂; 1.x.2004, 61 ♂♂; 27.vii.2005, 2 ♂♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 10 ♂♂ 11 ♀♀; 9.ix.1998, 4 ♂♂ 3 ♀♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 24.v.2001, 1 ♀, IM; 8.vi.2001, 1 ♂, PL; 2.vii.2001, 6 ♂♂ 11 ♀♀, IM & PK; 9.viii.2001, 1 ♂ 4 ♀♀, PK; 21.ix.2001, 14 ♂♂ 17 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 4 ♀♀; 29.x.2011, 6 ♂♂ 5 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in various open grassland habitats throughout the area: meadows, pastures (including intensively used ones), ruderal sites etc. **General distribution:** Holarctic. **Host plants:** Various Poaceae. **Red List status:** –.

**Comments.** *Psammotettix alienus* is a major vector of the wheat dwarf virus in the Czech Republic causing economic damage to cereal crops (RIPL *et al.* 2008).

#### *Psammotettix cephalotes* (Herrich-Schäffer, 1834)

**Published records.** LANG (1945a): Korytná, Lipiny forest (38); Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57); Březová, Kalábová NM (58).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♀, MH. Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♀; 1.vi.2002, 1 ♂ 3 ♀♀; all IM. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 7 ♂♂ 2 ♀♀; 11.vii.2006, 1 ♀; all IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 1 ♂ 1 ♀; 10.ix.1999, 14 ♂♂ 23 ♀♀; 30.vi.2004, 1 ♂ 2 ♀♀; 1.ix.2004, 4 ♂♂ 7 ♀♀ 1 larva; 5.x.2004, 3 ♂♂ 4 ♀♀; 28.v.2005, 3 ♂♂ 1 ♀ 13 larvae; 28.vii.2005, 3 ♂♂ 1 larva; 6.ix.2005, 23 ♂♂ 38 ♀♀; 17.vi.2006, 7 ♂♂ 5 ♀♀; all IM; 25.vi.2002, 1 ♂, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂ 1 ♀, PL. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 5 ♂♂ 1 ♀; 1.ix.2004, 6 ♂♂ 8 ♀♀ 5 larvae; 5.x.2004, 1 ♂ 5 ♀♀; 28.vii.2005, 4 ♂♂ 1 ♀; 6.ix.2005, 17 ♂♂ 16 ♀♀ 1 larva; all IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 2 ♂♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 8 ♂♂ 11 ♀♀, IM & PK; 13.viii.2001, 3 ♀♀, PK; 21.ix.2001, 2 ♀♀, PK; 23.v.2002, 2 ♀♀, IM; 21.vii.2002, 3 ♂♂, IM; 10.ix.2002, 3 ♂♂ 4 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Strání, Obecnice hill (60), 2.vii.2001, 1 ♀, IM & PK. Lopeník, U Zvonice NM (63), 27.vi.2004, 1 ♀, IM; 18.viii.2004, 1 ♀, PK; 25.ix.2004, 5 ♂♂ 5 ♀♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 1 ♂ 1 ♀ 1 larva, PK. Vyskovce, Vyskovce Bošačky (69), 27.vi.2004, 16 ♂♂ 18 ♀♀, IM; 19.viii.2004, 20 ♂♂ 11 ♀♀ 5 larvae, PK; 25.ix.2004, 9 ♂♂ 14 ♀♀, PK; 21.v.2005, 1 larva, IM; 24.vii.2005, 1 ♂, PK; 3.ix.2005, 32 ♂♂ 43 ♀♀ 12 larvae, PK. Vyskovce, Pod Hribovňou NM (70), 28.vi.2004, 1 ♂, IM; 24.vii.2005, 4 ♂♂ 3 ♀♀, PK. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 7 ♂♂ 1 ♀, PL. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 2.vi.2008, 1 ♀, IM; 12.viii.2008, 1 ♀, IM; 10.ix.2008, 1 ♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 3 ♂♂ 2 ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♂ 2 ♀♀, IM; 16.viii.2004, 1 ♂ 1 ♀, PK; 1.x.2004, 2 ♀♀, IM; 1.ix.2005, 9 ♂♂ 11 ♀♀, IM. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♀, PL. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂, IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Javorník, Výzkum hill (103), 10.vi.1982, 3 ♀♀, PL. Strání, Záhumenice NM (104), 2.vii.2001, 3 ♀♀, PK; 21.ix.2001, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows, pastures, and fragments of dry grasslands in sunny places. **General distribution:** European. **Host plant:** *Briza media*. **Red List status:** –.

***Psammotettix confinis* (Dahlbom, 1850)**

**Material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂, IM. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂ 2 ♀♀; 1.ix.2004, 4 ♂♂ 3 ♀♀; all IM; 4.ix.2005, 3 ♂♂ 8 ♀♀, PK. Nedašov, Jalovcová stráň NR (17), 6.ix.2005, 1 ♂ 1 ♀, IM. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♀, PL. Brumov, Kloboucká street (24), 2.ix.2004, 1 ♂ 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Bylnice, railway station environs (27), 11.ix.1999, 2 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 2 ♀♀; 6.ix.2005, 1 ♂; all IM. Korytná, Březí (46), 5.vii.2001, 3 ♂♂ 10 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 12 ♂♂ 4 ♀♀, IM; 13.viii.2001, 6 ♂♂ 5 ♀♀, PK; 21.ix.2001, 2 ♂♂, PK; 20.vii.2002, 5 ♂♂, IM; 10.ix.2002, 7 ♂♂, IM. Strání, Obecnice hill (60), 2.vii.2001, 2 ♂♂ 4 ♀♀, IM & PK; 9.viii.2001, 2 ♂♂ 4 ♀♀, PK; 21.ix.2001, 8 ♂♂ 7 ♀♀, IM; 23.v.2002, 1 ♂, IM; 20.vii.2002, 4 ♂♂, IM; 12.ix.2002, 3 ♂♂, IM. Strání, Důbrava hill (62), 7.vii.1980, 2 ♂♂ 1 ♀, PL. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 5 ♀♀, IM; 25.ix.2004, 5 ♂♂ 3 ♀♀, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 2 ♂♂, PK. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 3 ♂♂ 3 ♀♀; 8.viii.2007, 9 ♂♂ 4 ♀♀; 22.ix.2007, 2 ♂♂ 6 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 4 ♂♂ 3 ♀♀; 8.viii.2007, 2 ♂♂ 4 ♀♀; 22.ix.2007, 2 ♂♂ 2 ♀♀; all IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 9 ♂♂ 7 ♀♀, IM; 19.viii.2004, 12 ♂♂ 6 ♀♀, PK; 25.ix.2004, 12 ♂♂ 18 ♀♀, PK; 21.v.2005, 1 ♀, IM; 24.vii.2005, 2 ♂♂ 2 ♀♀, PK; 3.ix.2005, 20 ♂♂ 17 ♀♀, PK. Vyškovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♂ 1 ♀, PK; 21.v.2005, 1 ♀, IM. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 8.ix.2000, 1 ♂ 1 ♀, IM. Malá Vrbka, Výzkum hill (80), 22.vi.2001, 1 ♂, IM & PK. Radějov, Veselka hill (85), 11.vii.1998, 12 ♂♂ 6 ♀♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL. Suchov, Suchovské Mlýny (89), 23.vi.2004, 1 ♂, IM; 18.viii.2004, 2 ♂♂, PK; 1.x.2004, 1 ♂, IM; 1.ix.2005, 4 ♂♂ 7 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 2 ♂♂ 3 ♀♀, IM; 16.viii.2004, 19 ♂♂ 15 ♀♀, PK; 1.x.2004, 13 ♂♂ 13 ♀♀, IM; 26.v.2005, 1 ♂, IM; 27.vii.2005, 6 ♂♂ 1 ♀ 1 larva, IM; 1.ix.2005, 9 ♂♂ 9 ♀♀, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♂ 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 21 ♂♂; 2.ix.2004, 80 ♂♂; 1.x.2004, 24 ♂♂; 26.v.2005, 1 ♂; 27.vii.2005, 2 ♂♂; 1.ix.2005, 19 ♂♂; all IM. Javorník, Výzkum hill (103), 1 ♂, PL. Strání, Záhumenice NM (104), 2.vii.2001, 8 ♂♂, IM; 9.viii.2001, 1 ♂, PK; 21.ix.2001, 5 ♂♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; largely confined to disturbed short swards in pastures and ruderal sites. **General distribution:** Holarctic. **Host plants:** Poaceae (*Poa*, *Agrostis*, *Lolium*, *Festuca*). **Red List status:** –.

***Psammotettix helvolus* (Kirschbaum, 1868)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♂ 1 ♀; 1.vi.2002, 2 ♂♂ 1 ♀; all IM. Brumov, Uhlíčky (14), 30.vi.2004, 14 ♂♂ 1 ♀, IM; 28.vii.2005, 2 ♂♂, PK. Nedašov, Jalovcová stráň NR (17), 1.ix.2004, 1 ♀; 6.ix.2005, 2 ♂♂ 3 ♀♀; all IM. Brumov, Kloboucká street (24), 28.vii.2005, 2 ♂♂ 3 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 1 ♂ 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Nedašov, Pod Cigánem NM (30), 28.vii.2005, 2 ♂♂, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 6 ♀♀; 11.vii.2009, 5 ♂♂ 3 ♀♀; all PB. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂ 2 ♀♀, PL. Horní Němčí, Drahy NR (48), 13.viii.2001, 2 ♂♂; 23.v.2002, 1 ♀; both PK; 21.vii.2002, 2 ♂♂ 1 ♀♀, IM; 10.ix.2002, 3 ♂♂, IM. Horní Němčí, Vinohrádky (49), 20.vii.2002, 1 ♂, IM. Komňa, Nový Dvůr (53), 21.viii.1984, 1 ♂ 1 ♀, PL. Komňa, Lom Rasová NM (54), 5.vii.2001, 3 ♀♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 2 ♂♂, IM. Strání, Obecnice hill (60), 24.v.2001, 67 ♂♂ 67 ♀♀, IM; 2.vii.2001, 1 ♂ 2 ♀♀, IM & PK; 9.viii.2001, 9 ♂♂ 15 ♀♀, PK; 21.ix.2001, 54 ♂♂ 48 ♀♀, IM; 23.v.2002, 52 ♂♂ 57 ♀♀, IM; 20.vii.2002, 68 ♂♂ 96 ♀♀, IM; 12.ix.2002, 94 ♂♂, IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM; 3.ix.2005, 1 ♂, PK. Vyškovec, Vyškovecké Bošačky (69), 19.viii.2004, 3 ♂♂ 4 ♀♀; 24.vii.2005, 3 ♂♂ 1 ♀; all PK. Vyškovec, Pod Hřibovňou NM (70), 8.ix.2005, 1 ♂ 1 ♀, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 1 ♀, IM. Radějov, Lučina (76), 13.v.1998, several ♂♂ ♀♀, IM. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 7 ♂♂ 4 ♀♀, IM & PK. Radějov, Kútky NR (86), 2.vi.1979, 6 ♂♂ 2 ♀♀, PL; 11.vii.1998, 1 ♂ 1 ♀, IM; 8.ix.1998, 3 ♂♂ 3 ♀♀, IM. Suchov,

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

Suchovské Mlýny (89), 23.vi.2004, 1 ♂ 1 ♀, IM; 16.viii.2004, 9 ♂♂ 12 ♀♀, PK; 1.x.2004, 130 ♂♂ 174 ♀♀, IM; 26.v.2005, 28 ♂♂ 26 ♀♀, IM; 27.vii.2005, 53 ♂♂ 36 ♀♀, IM; 1.ix.2005, 19 ♂♂ 13 ♀♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 14 ♂♂ 5 ♀♀, IM; 16.viii.2004, 185 ♂♂, PK; 1.x.2004, 192 ♂♂, IM; 26.v.2005, 79 ♂♂, IM; 27.vii.2005, 177 ♂♂, IM; 1.ix.2005, 132 ♂♂, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 30 ♂♂; 2.ix.2004, 163 ♂♂; 1.x.2004, 250 ♂♂; 26.v.2005, 149 ♂♂; 27.vii.2005, 147 ♂♂; 1.ix.2005, 82 ♂♂; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 7 ♂♂ 11 ♀♀, IM. Javorník, Machová NR (102), 14.v.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 9.viii.2001, 1 ♂, PK; 21.ix.2001, 1 ♂ 1 ♀, IM. Strání, Javorina NNR (106), 12.vii.1998, many ♂♂ ♀♀; 4.vii.2001, 28 ♂♂ 41 ♀♀; 29.x.2011, 2 ♂♂ 3 ♀♀; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and locally abundant in sunny, fine-leaved grassland sites: pastures on slopes, fragments of xerothermic grasslands but also submontane meadows including the one on the top of Mt Velká Javořina (up to 970 m). **General distribution:** Eurosiberian. **Host plants:** Poaceae (*Festuca*, *Avenella flexuosa*). **Red List status:** –.

*Psammotettix nodosus* (Ribaut, 1925)

**Material examined.** Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Strání, Důbrava hill (62), 7.vii.1980, 1 ♂, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two records from 1980s; perhaps restricted to forest margins and forest glades on acidic soils in the north-eastern and central parts of the area. **General distribution:** European. **Host plants:** Poaceae (often *Festuca ovina*). **Red List status:** –.

*Psammotettix poecilus* (Flor, 1861)

(EN)

**Published records.** MALENOVSKÝ & LAUTERER (2010): Starý Hrozenkov, Skalka quarry (67).

**Additional material examined.** Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic and local: restricted to patches of spare grassland on the bottoms of abandoned quarries in the central part of the area. **General distribution:** Eurosiberian. **Host plant:** *Calamagrostis epigejos*. **Red List status:** Endangered.

**Comments.** In the Czech Republic, *P. poecilus* is a widespread but local species occurring mainly on sands and in mining areas (quarries, sandpits, coal dumps, occasionally also railway tracks etc.), largely in south-eastern Moravia and central and southern Bohemia (MALENOVSKÝ & LAUTERER 2010 and additional unpublished records).

*Rhopalopyx adumbrata* (C. Sahlberg, 1842)

**Published records.** LANG (1945a): Suchá Loz, Studený vrch hill (57) [cited as *Thamnotettix Preysleri*, misidentified].

**Additional material examined.** Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 2 ♂♂ 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 4 ♂♂ 4 ♀♀, IM. Brumov, Kloboucká street (24), 28.vii.2005, 1 ♂, PK. Lopeník, U Zvonice NM (63), 24.vii.2005, 5 ♂♂ 1 ♀, IM; 3.ix.2005, 1 ♂, PK. Lopeník, Lopenické sedlo (64), 24.vii.2005, 3 ♂♂ 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂

5 ♀♀, IM; 18.viii.2000, 1 ♀, PK. Suchov, Trnovský Mlýn (90), 27.vii.2005, ?2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♀; 10.ix.2000, 1 ♀; both IM. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but uncommon; in meadows and pastures. **General distribution:** Eurosiberian. **Host plants:** *Festuca rubra*, *F. ovina*. **Red List status:** –.

#### *Rhopalopyx preysleri* (Herrich-Schäffer, 1838)

**Material examined.** Nedašov, Jalovcová stráž NR (17), 5.x.2004, 1 ♂, IM. Brumov, Kloboucká street (24), 28.vii.2005, 4 ♂♂ 3 ♀♀; 4.ix.2005, 1 ♂, PK; 4.vii.–6.viii.2005, 2 ♂♂, PT, KR. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Strání, Záhumenice NM (104), 20.vii.2002, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Perhaps widespread but quite rare; in dry pastures and fragments of xerothermic grassland. **General distribution:** Eurosiberian. **Host plant:** *Poa angustifolia*. **Red List status:** –.

#### *Rhopalopyx vitripennis* (Flor, 1861)

**Material examined.** Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 4.x.2002, 1 ♂, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic; known only from two isolated findings on sunny grassland sites in the south-western and central parts of the area. **General distribution:** Palaearctic. **Host plants:** Fine-leaved *Festuca* spp. **Red List status:** –.

#### *Rhytidodus decimusquartus* (Schrank, 1776)

**Material examined.** Velká nad Veličkou, village (87), 19.vi.2000, 1 ♂, PK; 9.ix.2000, 3 ♂♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Collected at only one site at the south-western foothills of the area: along a road on the periphery of a village. **General distribution:** Western Palaearctic. **Host plants:** *Populus nigra* and hybrids. **Red List status:** –.

#### *Rhytidodus wagneri* Dlabola, 1965

(Fig. 13)

**Material examined.** Horní Němčí, village (44), 10.ix.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded at one site at the south-western foothills of the area: woody vegetation around a football ground in a village. **General distribution:** Southern parts of central Europe, south-eastern Europe, Kazakhstan, Turkmenistan, Mongolia (NAST 1972). **Host plant:** *Populus nigra*. **Red List status:** –.

**Comments.** *Rhytidodus wagneri* was described from Ukraine and southern Slovakia (DLABOLA 1965b). In Europe, it also occurs in Austria and Italy (HOLZINGER 2009, HOCH



2012). In the Czech Republic, it is known from Moravia (DLABOLA 1977) where it seems to be restricted to the southern part (there are a few records from the city of Brno: Žlutý kopec hill and Slatina, and the village of Mutěnice in south-eastern Moravia; unpublished data from the collection of the Moravian Museum, Brno).

#### ***Ribautiana alces* (Ribaut, 1931)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Suchov, Trnovský Mlýn (90), 1.x.2004, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic; documented only from two sites in the south-western part of the area; on solitary oaks in meadows and pastures. **General distribution:** European. **Host plants:** *Quercus robur*, *Qu. petraea*. **Red List status:** –.

#### ***Ribautiana tenerrima* (Herrich-Schäffer, 1834)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 3 ♂♂, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♂ 1 ♀, IM. Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂, IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♂♂, PL. Bylnice, railway station environs (27), 1.vii.1999, 1 ♂, MH & PK; 11.ix.1999, 3 ♂♂ 2 ♀♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♂, IM. Nedašov, Na Salaši (29), 10.ix.1999, 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Korytná, Březí (46), 5.vii.2001, 1 ♂ 4 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, 1 ♂; 30.vi.2001, 1 ♀; both IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 1 ♀, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 5 ♂♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀; 8.viii.2007, 1 ♂; 22.ix.2007, 3 ♂♂ 3 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀; 8.viii.2007, 1 ♂; 22.ix.2007, 8 ♂♂ 7 ♀♀; all IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 3 ♂♂ 3 ♀♀, IM & PK; 20.ix.2001, 2 ♂♂ 1 ♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 4 ♂♂ 5 ♀♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Velká nad Veličkou, village (87), 9.ix.2000, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 6 ♂♂ 5 ♀♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂ 1 ♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common at forest margins throughout the area. **General distribution:** European. **Host plants:** Mainly on *Rubus* spp. (*R. fruticosus* agg., *R. caesius*, *R. idaeus*). **Red List status:** –.

#### ***Ribautiana ulmi* (Linnaeus, 1758)**

**Material examined.** Svatý Štěpán, Nadřičí (32), 12.ix.1999, 1 ♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♂, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 2 ♂♂ 3 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♀♀, IM; 22.vi.2001, 4 ♂♂ 36 ♀♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Strání, Záhumenice NM (104), 15.vi.2010, 2 ♂♂, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but somewhat local; along forest margins, particularly in brook valleys. **General**

**distribution:** European. **Host plants:** *Ulmus* spp. (*U. glabra*, *U. laevis*, *U. minor*). **Red List status:** –.

***Sagatus punctifrons* (Fallén, 1826)**

**(VU)**

**Material examined.** Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂, IM. Sidonie, Vlárský průmysk pass (33), 12.ix.1999, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from the banks of the Vlára river in the north-eastern part of the area. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (*S. purpurea*, *S. triandra*, *S. viminalis*, *S. elaeagnos*, *S. repens*). **Red List status:** Vulnerable.

**Comments.** *Sagatus punctifrons* is currently a quite rare species in the Czech Republic; published records (from north-eastern Bohemia and southern Moravia) largely date back to 1940s and 1950s (DLABOLA 1954, LAUTERER 1995b).

***Sorhoanus assimilis* (Fallén, 1806)**

**(NT)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 31 ♀♀, IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 18 ♂♂ 7 ♀♀; 10.ix.1999, 23 ♀♀; 1.ix.2004, 1 ♀; 28.vii.2005, 6 ♂♂; 6.ix.2005, 4 ♀♀; 12.vii.2006, 3 ♂♂ 1 ♀; all IM; 16.viii.2006, 2 ♀♀, PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♂, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 5 ♀♀, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 2 ♀♀; 3.ix.2005, 1 ♀; all PK. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but common only locally; restricted to calcareous spring fens. **General distribution:** Eurosiberian. **Host plants:** *Carex* spp. (*C. panicea*, *C. nigra*, *C. rostrata*). **Red List status:** Near-threatened.

**Comments.** *Sorhoanus assimilis* is a quite widespread, even if generally uncommon species in the Czech Republic, known from wetlands in north-eastern and southern Bohemia and south-eastern Moravia (DLABOLA 1954).

***Speudotettix subfuscus* (Fallén, 1806)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Lipová, towards Haluzice (4), 21.viii.1984, 1 ♀, PL. Valašské Klobouky, Brumovská street (5), 19.v.1999, 1 ♂, IM. Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 4 ♂♂ 3 ♀♀, IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 19.v.1999, 4 ♂♂ 5 ♀♀, IM; 30.vi.1999, 1 ♂ 5 ♀♀, MH. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀; 1.vi.2002, 3 ♂♂ 2 ♀♀; all IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♂, PK; 16.vi.2006, 3 ♂♂ 4 ♀♀, IM; 11.vii.2006, 1 ♂ 3 ♀♀, IM. Brumov, Uhličky (14), 5.x.2004, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 20.v.1999, 1 ♀; 3.vii.1999, 2 ♂♂ 3 ♀♀; 17.vi.2006, 1 ♂ 1 ♀; all IM. Nedašov, Kaňoury NM (18), 17.vi.2006, 2 ♀♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 3 ♂♂ 2 ♀♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 21.v.1999, 1 ♀, IM. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 1 ♀;

Leafhoppers and planthoppers (Hemiptera: Auchenorrhyncha)

5.x.2004, 8 larvae; 28.v.2005, 1 ♀ 1 larva; all IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 2 ♂♂ 1 ♀, PL. Korytná, Březi (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, several ♂♂ ♀♀; 30.vi.2001, 1 ♀; 23.v.2002, 3 ♀♀; all IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♀, IM & PK. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 16.v.1998, several ♂♂ ♀♀; 10.vii.1998, 2 ♂♂ 1 ♀; all IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♀, IM. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 21.v.2005, 1 ♀, IM. Vyškovec, Ve Vlčí NR (71), 22.v.2005, 2 ♂♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 6 ♂♂ 10 ♀♀, PL. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♀, IM & PK. Radějov, Kútky NR (86), 2.vi.1979, 1 ♀, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, several ♂♂ ♀♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 2 ♂♂ 4 ♀♀; 19.vi.2000, 1 ♂ 7 ♀♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 2 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀, IM. Nová Lhota, Vápenky, Vápenky NM (100), 13.v.–8.vii.2003, PT, 1 ♀, IT & JT. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♂, IM. Javorník, Machová NR (102), 14.v.1998, several ♂♂ ♀♀, IM; 9.vii.1998, 1 ♂, IM; 14.vi.2010, 3 ♂♂, MT, JM & PC. Strání, Záhumenice NM (104), 15.vi.2010, 1 ♀, MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in forests and along their margins, as well as in scrub scattered in grasslands. **General distribution:** Palaearctic. **Host plants:** Poaceae and *Carex* spp. (larvae), deciduous trees and shrubs (e.g. *Betula*, *Corylus*, *Alnus*, *Prunus* – adults). **Red List status:** –.

***Stenidiocerus poecilus* (Herrich-Schäffer, 1835)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Velká nad Veličkou, village (87), 18.viii.2000, 1 ♂ 1 ♀, PK; 9.ix.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare: collected in only two sites in the south-western part of the area; at forest margins and along a road near a village. **General distribution:** Western Palaearctic. **Host plant:** *Populus nigra*. **Red List status:** –.

***Stictocoris picturatus* (C. Sahlberg, 1842)**

**(VU)**

**Material examined.** Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♀; 24.vii.2005, 1 ♂ 1 ♀; 3.ix.2005, 1 ♀ 1 larva; all PK. Radějov, Žerotín NM (73), 11.vii.1998, 2 ♀♀, IM. Hrubá Vrbka, football ground (82), 16.viii.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and local, restricted to the south-western and central parts of the area; in an extensively managed dry meadow, a fragment of xerothermic grassland, and a ruderal site. **General distribution:** Eurosiberian. **Host plants:** Fabaceae (mainly *Ononis spinosa*, *Genista tinctoria*). **Red List status:** Vulnerable.

**Comments.** *Stictocoris picturatus* is a xerothermophilous species of open grassland habitats, quite widespread in Bohemia and Moravia but generally uncommon (e.g. DLABOLA 1954, MALENOVSKÝ *et al.* 2011).

***Streptanus aemulans* (Kirschbaum, 1858)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 6 ♂♂ 1 ♀, IM. Brumov, Uhličky (14), 30.vi.2004, 2 ♂♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 3 ♂♂, IM. Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♂, IM. Horní Němčí, Vinohrádky (49), 21.ix.2001, 1 ♂, PK; 22.v.–22.vi.2003, 2 ♂♂ 1 ♀, 3 larvae, PT, KR; 22.vi.–24.vii.2003, 2 ♀♀ 1 larva, PT, KR; 24.vii.–22.viii.2003, 1 ♀ 2 larvae, PT, KR; 22.viii.–27.ix.2003, 1 ♂ 1 ♀ 5 larvae, PT, KR. Strání, Obecnice hill (60), 12.ix.2002, 1 ♂, IM. Lopeník, U Zvonice NM (63), 26.vii.–26.viii.2005, 3 ♂♂, PT, KR. Vyškovec, Vyškovecké Bošačky (69), 25.ix.2004, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 8.ix.2000, 1 ♂, PK; 22.vi.2001, 1 ♂, IM & PK. Radějov, Kútky NR (86), 8.ix.1998, 3 ♂♂, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 1 ♀, IM; 4.vii.–6.viii.2005, 1 ♀, PT, KR. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 3 ♀♀; 10.ix.2000, 1 ♀; all IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 1 ♂, IM. Strání, Záhumenice NM (104), 2.vii.2001, 1 ♀ 1 larva, PK; 21.ix.2001, 4 ♂♂ 1 ♀, IM; 12.ix.2002, 3 ♂♂, IM. Strání, Javorina NNR (106), 12.vii.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in meadows, pastures and ruderal grassland throughout the area. **General distribution:** Holarctic. **Host plants:** Poaceae (e.g. *Holcus lanatus*, *H. mollis*, *Elytrigia repens*). **Red List status:** –.

***Streptanus marginatus* (Kirschbaum, 1858)**

**Material examined.** Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 2 ♂♂, IM. Brumov, Uhličky (14), 4.ix.2005, 1 ♀, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♀, PL. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♀ 1 larva, IM. Vyškovec, Pod Hribovňou NM (70), 24.vii.2005, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Local and quite rare: perhaps restricted to places with acidic soils in the north-eastern and central parts of the area; in meadows and pastures. **General distribution:** Eurosiberian. **Host plants:** Fine-leaved Poaceae (e.g. *Avenella flexuosa*, *Festuca ovina*). **Red List status:** –.

***Streptanus sordidus* (Zetterstedt, 1828)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 9 ♂♂, IM. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♂, IM; 13.ix.1999, 3 ♂♂ 1 ♀, IM; 1.vi.2002, 8 larvae, IM; 24.viii.2002, 2 ♂♂, PK; 17.viii.2006, 1 ♂, PK. Bylnice, Bylničky (26), 24.vi.1982, 1 ♂ 1 ♀, PL. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 2 ♂♂, IM. Nedašov, Pod Cigánem NM (30), 10.ix.1999, 1 ♂; 5.x.2004, 1 ♀ 1 larva; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♂, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂ 2 ♀♀, IM & PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 larva, IM; 25.ix.2004, 2 ♂♂ 3 larvae, IM; 20.v.–25.vi.2005, 1 ♂, PT, KR. Vyškovec, Pod Hribovňou NM (70), 25.ix.2004, 5 ♂♂ 2 ♀♀ 8 larvae, PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♂, IM. Suchov, Trnovský Mlýn (90), 8.ix.–7.x.2005, 1 ♂, PT, KR. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂; 29.x.2011, 2 ♂♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area including the highest altitudes; quite common in meadows and pastures. **General distribution:** European. **Host plants:** Poaceae (e.g. *Agrostis stolonifera*, *A. capillaris*). **Red List status:** –.

### *Thamnotettix confinis* Zetterstedt, 1840

**Published records.** LANG (1945a): Korytná, Lipiny forest (38). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 22.v.1999, 2 ♂♂; 2.vii.1999, 1 ♂; all IM. Valašské Klobouky, Dobšená NM (8), 22.v.1999, 1 ♂; 2.vii.1999, 1 ♂; all IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂, MH. Poteč, Ploščiny NR (12), 4.vii.1999, 1 ♀, IM. Valašské Klobouky, Bílé potoky NR (13), 30.vi.1999, 1 ♀, PK; 16.vi.2006, 6 ♂♂, IM; 11.vii.2006, 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♀♀, PL. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 2 ♂♂ 1 ♀, PL. Korytná, Březí (46), 5.vii.2001, 1 ♂ 1 ♀, IM. Bánov, Skalky hill (52), 21.viii.1984, 1 ♀, PL. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♂ 1 ♀; 28.vii.2000, 1 ♂ 1 ♀; all IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 6 ♂♂, PL. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 5 ♀♀, IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 2 ♂♂, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 1 ♂, MT, JM & PC. Strání, Záhumenice NM (104), 14.vi.2010, 2 ♂♂; 15.vi.2010, 1 ♂; all MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; in meadows, particularly near solitary trees and shrubs, and along forest margins. **General distribution:** Holarctic. **Host plants:** Probably Poaceae (larvae) and deciduous trees (e.g. *Quercus* spp. – adults). **Red List status:** –.

### *Thamnotettix exemptus* Melichar, 1896

(VU)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 6 ♂♂ 3 ♀♀, PL; 22.v.2000, 1 ♂, PK. Javorník, Petruchovy Mlýny (97), 9.viii.2001, 1 ♀, PK. Javorník, Machová NR (102), 9.vii.1998, 2 ♂♂, IM; 4.vi.2010, 1 ♂; 14.vi.2010, 1 ♂; both MT, JM & PC.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to the warm, south-western part of the area; on solitary oaks scattered in dry meadows and pastures. **General distribution:** Southern parts of central Europe, southern and south-eastern Europe. **Host plants:** Probably Poaceae (larvae) and *Quercus* spp. (adults). **Red List status:** Vulnerable.

**Comments.** *Thamnotettix exemptus* is a characteristic species of open xerothermic woodland; in the Czech Republic, its distribution is restricted to southern Moravia and central Bohemia (DLABOLA 1954).

### *Tremulicerus distinguendus* (Kirschbaum, 1868)

**Material examined.** Kněždub, Kněždubský háj forest (75), 28.vii.2000, 1 ♂, IM. Hrubá Vrbka, football ground (82), 20.ix.2001, 2 ♂♂, IM. Velká nad Veličkou, village (87), 19.vi.2000, 2 ♂♂ 2 ♀♀, PK; 9.ix.2000, 2 ♂♂ 3 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Restricted to the relatively warm south-western part of the area; occurring on its host plant, mostly along roads. **General distribution:** European. **Host plant:** *Populus alba*. **Red List status:** –.

**Comments.** *Tremulicerus distinguendus* is poorly documented in the Czech Republic, at least in literature; it is probably a thermophilous species present e.g. in the Pannonian part of southern Moravia (MALENOVSKÝ *et al.* 2011).

***Tremulicerus tremulae* (Estlund, 1796)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 9.ix.1999, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 1 ♂, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂; 8.viii.2007, 1 ♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂ 1 ♀, IM. Radějov, Žerotín NM (73), 11.vii.1998, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀, IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀; 28.x.2011, 1 ♀; both IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although usually collected in low numbers of specimens; in pioneer stands of woody plants e.g. in abandoned quarries, in small woods scattered in pastures and meadows, along roads and forest margins. **General distribution:** Eurosiberian. **Host plant:** *Populus tremula*. **Red List status:** –.

***Turrutus socialis* (Flor, 1861)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79). KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR, Járkovec brook valley (77); Strání, Záhumenice NM (104).

**Additional material examined.** Brumov, Uhlíčky (14), 5.x.2004, 1 ♂ 1 ♀, IM. Nedašov, Jalovcová stráž NM (17), 3.vii.1999, 1 ♀, IM. Bylnice, Na Stráži (25), 16.vi.2006, 5 ♂♂ 7 ♀♀; 11.vii.2006, 8 ♂♂ 1 ♀; all IM. Hluk, Babí hora NM (36), 24.viii.2002, 4 ♂♂ 5 ♀♀, IM. Blatnička, Milejovské louky meadows (39), 24.v.2009, 2 ♂♂ 2 ♀♀; 11.vii.2009, 1 ♀; 16.viii.2009, 1 ♂ 2 ♀♀; all PB. Suchov, Kazivec brook valley (47), 9.ix.1998, many ♂♂ ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.1998, several ♂♂ ♀♀, IM; 30.vi.2001, 120 ♂♂ 154 ♀♀ 20 larvae, IM & PK; 13.viii.2001, 41 ♂♂ 48 ♀♀ 85 larvae, PK; 21.ix.2001, 51 ♂♂ 57 ♀♀ 3 larvae, PK; 23.v.2002, 28 ♂♂ 17 ♀♀ 44 larvae, IM & PK; 21.vii.2002, 99 ♂♂ 78 ♀♀ 157 larvae, IM; 10.ix.2002, 46 ♂♂ 69 ♀♀ 2 larvae, IM; 22.vi.–24.vii.2003, 1 ♀ 2 larvae, PT, KR; 24.vii.–22.viii.2003, 1 ♀ 1 larva, PT, KR; 22.viii.–27.ix.2003, 3 ♂♂, PT, KR. Horní Němčí, Vinohrádky (49), 30.vi.2001, 3 ♂♂ 1 ♀, IM; 20.vii.2002, 2 larvae, IM; 10.ix.2002, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, many ♂♂ ♀♀, IM. Strání, Obecnice hill (60), 24.v.2001, 5 ♂♂ 1 ♀ 81 larvae, IM; 2.vii.2001, 4 ♂♂ 9 ♀♀, IM & PK; 9.viii.2001, 29 ♂♂ 19 ♀♀ 18 larvae, PK; 21.ix.2001, 2 ♂♂ 11 ♀♀ 2 larvae, IM; 23.v.2002, 14 ♂♂ 4 ♀♀ 10 larvae, IM; 20.vii.2002, 48 ♂♂ 31 ♀♀, IM; 12.ix.2002, 10 ♂♂ 15 ♀♀ 13 larvae, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 1 ♀, PK; 25.ix.2004, 1 ♀, IM; 24.vii.2005, 2 ♀♀, IM; 3.ix.2005, 2 ♂♂ 3 ♀♀ 1 larva, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂ 1 larva, IM; 24.vii.2005, 1 ♂, IM; 3.ix.2005, 3 ♂♂, PK. Výškovec, Výškovecké Bošačky (69), 19.viii.2004, 1 larva; 25.ix.2004, 1 ♂; 3.ix.2005, 2 ♂♂; all PK. Výškovec, Pod Hřibovnou NM (70), 19.viii.2004, 4 ♀♀, PK; 25.ix.2004, 4 ♀♀, PK; 24.vii.2005, 3 ♀♀, PK; 8.ix.2005, 2 larvae, IM. Radějov, Žerotín NM (73), 9.viii.2002, 4 ♂♂ 1 ♀, PK. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂ 1 ♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂ 2 ♀♀, PL; 22.v.2000, 1 ♂, PK. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 1 ♀, IM & PK; 8.ix.2000, 35 ♂♂ 41 ♀♀, PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 1 ♂; 20.ix.2001, 3 ♂♂ 5 ♀♀; all IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, many ♂♂ ♀♀, IM; 20.viii.2002, 2 ♂♂ 1 ♀, PK. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL; 11.vii.1998 and 8.ix.1998, many ♂♂ ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 9 ♂♂ 4 ♀♀, IM; 18.viii.2000, 1 ♂ 1 ♀, PK; 9.–10.ix.2000, many ♂♂ ♀♀, IM. Suchov, Suchovské Mlýny (89), 23.vi.2004, 41 ♂♂ 42 ♀♀, IM; 16.viii.2004, 44 ♂♂ 30 ♀♀ 21 larvae, PK; 1.x.2004, 65 ♂♂ 78 ♀♀ 3 larvae, IM; 26.v.2005, 18 ♂♂ 39 larvae, IM; 27.vii.2005, 11 ♂♂ 9 ♀♀, IM; 1.ix.2005, 130 ♂♂ 123 ♀♀ 14 larvae, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 129 ♂♂ 63 ♀♀ 19 larvae, IM; 16.viii.2004, 76 ♂♂ 25 ♀♀ 18 larvae, PK; 1.x.2004, 25 ♂♂ 99 ♀♀ 1 larva, IM; 26.v.2005, 25 larvae, IM; 27.vii.2005, 14 ♂♂ 38 ♀♀ 9 larvae, IM; 1.ix.2005, 649 ♂♂ 335 ♀♀ 257 larvae, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 9 ♂♂ 2 ♀♀, PL. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♂ 1 ♀, PL. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 2 ♀♀, IM. Javorník, Nad Vápenkou NM (94), 7.ix.2002, 10 ♂♂ 11 ♀♀, IM. Javorník, loampit W

of village (95), 7.ix.1998, many ♂♂ ♀♀; 24.v.2002, 2 ♂♂ 1 ♀; all IM. Javorník, Jazevečí NNR (96), 19.vi.2000, 19 ♂♂ 12 ♀♀; 10.ix.2000, 17 ♂♂ 7 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 21 ♂♂ 8 ♀♀ 7 larvae; 2.ix.2004, 46 ♂♂ 24 ♀♀ 9 larvae; 1.x.2004, 8 ♂♂ 19 ♀♀; 26.v.2005, 21 larvae; 27.vii.2005, 1 ♂ 5 ♀♀ 12 larvae; 1.ix.2005, 13 ♂♂ 18 ♀♀ 1 larva; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 1 ♂ 2 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 2 ♀♀; 9.ix.1998, 1 ♂ 1 ♀; all IM. Nová Lhota, Vápenky, Velička brook valley towards Mt Velká Javořina (101), 12.vii.1998, 1 ♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♂ 2 ♀♀, PL. Strání, Záhumenice NM (104), 2.vii.2001, 10 ♂♂ 11 ♀♀, PK; 9.viii.2001, 7 larvae, PK; 21.ix.2001, 56 ♂♂ 35 ♀♀ 9 larvae, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area, although quite rare and local in its north-easternmost tip; in sunny, dry to mesic meadows, pastures, and ruderal sites. **General distribution:** Eurosiberian. **Host plants:** Poaceae (*Brachypodium pinnatum*, *Bromus erectus*, *Festuca rubra*, *Avenula pubescens*). **Red List status:** –.

### *Typhlocyba quercus* (Fabricius, 1777)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, LT, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♂ 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂, IM. Vápenice, Trstná brook valley (55), 6.vii.2001, 1 ♂, IM & PK. Korytná, Lubná pond environs (56), 5.vii.2001, 2 ♂♂ 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.vii.1998, 3 ♂♂ 1 ♀; 10.ix.1998, 1 ♀; all IM. Lopeník, U Zvonice NM (63), 3.ix.2005, 1 ♂, PK. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 4 ♂♂ 2 ♀♀, IM. Malá Vrbka, Výzkum hill (80), 18.vi.2000, 1 ♂, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 4 ♂♂ 8 ♀♀; 9.–10.ix.2000, 1 ♀; all IM. Javorník, Jazevečí NNR (96), 19.vi.2000, 3 ♂♂ 2 ♀♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on scrub and solitary trees scattered in meadows and pastures, along roads, and at forest margins. **General distribution:** Western Palaearctic. **Host plants:** *Prunus* spp. (mainly *P. spinosa*), *Quercus* spp. (*Qu. robur*, *Qu. petraea*). **Red List status:** –.

### *Utecha trivialis* (Germar, 1821)

**Material examined.** Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♀, IM. Nedašov, Jalovcová stráž NR (17), 28.vii.2005, 1 ♂ 1 ♀ 1 larva, IM. Hluk, Babí hora NM (36), 24.viii.2002, 1 ♂, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 larva, IM & PK. Výškovec, Výškovecké Bošačky (69), 25.ix.2004, 1 ♂; 24.vii.2005, 1 ♀; 3.ix.2005, 1 ♀ 1 larva; all PK. Kněždub, Čertoryje NNR, Járkovec brook valley (77), 10.ix.2008, 1 ♂, IM. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♂, IM & PK. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 14.v.1998, 1 ♀; 13.vii.1998, 1 ♂; both IM. Suchov, Suchovské Mlýny (89), 27.vii.2005, 2 ♂♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and quite common in sunny, dry patches of grasslands (meadows, pastures, abandoned fields) throughout the area. **General distribution:** Europe, except the north. **Host plants:** Probably polyphagous on low herbs (*Hippocrepis comosa*, *Echium vulgare*, *Plantago lanceolata*). **Red List status:** –.

***Verdanus abdominalis* (Fabricius, 1803)**

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99); Suchá Loz, Studený vrch hill (57). MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Javorůvky NR (7), 2.vii.1999, 1 ♀, IM. Valašské Klobouky, Dobšená NM (8), 2.vii.1999, 4 ♂♂, IM. Valašské Klobouky, Brumovka brook valley (9), 30.vi.1999, 1 ♂ 1 ♀, MH. Poteč, Ploštiny NR (12), 4.vii.1999, 1 ♂ 1 ♀, IM; 1.vi.2002, 44 ♂♂ 10 ♀♀ 4 larvae, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 16.vi.2006, 1 ♂; 11.vii.2006, 1 ♂ 2 ♀♀; all IM. Nedašov, Jalovcová stráž NR (17), 3.vii.1999, 2 ♂♂ 2 ♀♀; 30.vi.2004, 13 ♂♂ 10 ♀♀; 28.v.2005, 6 ♂♂ 1 ♀ 10 larvae; 28.vii.2005, 1 ♀; 17.vi.2006, 4 ♂♂ 1 ♀; all IM; 16.viii.2006, 1 ♀, PK. Nedašov, Kaňoury NM (18), 17.vi.2006, 5 ♂♂ 2 ♀♀, IM; 12.vii.2006, 4 ♂♂ 6 ♀♀, IM; 16.viii.2006, 2 ♀♀, PK. Bylnice, Na Stráži (25), 16.vi.2006, 6 ♂♂; 11.vii.2006, 2 ♀♀; all IM. Bylnice, Bylničky (26), 24.vi.1982, 3 ♂♂ 2 ♀♀, PL. Nedašov, Pod Cigánem NM (30), 30.vi.2004, 13 ♂♂ 7 ♀♀ 2 larvae; 1.ix.2004, 1 ♀; 28.v.2005, 7 larvae; 28.vii.2005, 5 ♂♂ 11 ♀♀; all IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1985, 1 ♂ 1 ♀, PL. Korytná, Březi (46), 5.vii.2001, 6 ♂♂ 4 ♀♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 19 ♂♂ 72 ♀♀, IM & PK; 13.viii.2001, 1 ♀, PK; 23.v.2002, 22 ♂♂ 10 ♀♀ 34 larvae, IM & PK; 21.vii.2002, 8 ♂♂ 22 ♀♀, IM. Strání, Obecnice hill (60), 24.v.2001, 1 ♂ 6 larvae, IM; 2.vii.2001, 1 ♀, IM & PK. Strání, Důbrava hill (62), 7.vii.1980, 2 ♂♂ 2 ♀♀, PL. Lopeník, U Zvonice NM (63), 27.vi.2004, 28 ♂♂ 7 ♀♀ 6 larvae, IM; 18.viii.2004, 1 ♀, PK; 21.v.2005, 4 larvae, IM; 24.vii.2005, 1 ♂ 1 ♀, IM; 3.ix.2005, 1 ♀, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 2 ♂♂ 7 ♀♀; 21.v.2005, 1 larva; 24.vii.2005, 1 ♂ 4 ♀♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 1 ♀, IM. Vyškovec, Vyškovecké Bošačky (69), 27.vi.2004, 36 ♂♂ 36 ♀♀, IM; 21.v.2005, 78 larvae, IM; 24.vii.2005, 7 ♂♂ 10 ♀♀, PK. Vyškovec, Pod Hřibovňou NM (70), 28.vi.2004, 4 ♂♂ 3 ♀♀ 2 larvae; 21.v.2005, 5 larvae; all IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 3 ♂♂ 1 ♀, PL. Malá Vrbka, Výzkum hill (80), 18.v.2002, 1 larva; 27.vi.2002, 1 ♀; both IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂ 1 ♀, PL. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 2 ♂♂ 2 ♀♀, IM; 19.vi.2000, 2 ♀♀, PK. Suchov, Suchovské Mlýny (89), 23.vi.2004, 10 ♂♂ 17 ♀♀, IM; 18.viii.2004, 1 ♀, PK; 26.v.2005, 33 ♂♂ 7 ♀♀ 63 larvae, IM; 27.vii.2005, 13 ♂♂ 15 ♀♀, IM; 1.ix.2005, 1 ♀, IM. Suchov, Trnovský Mlýn (90), 23.vi.2004, 97 ♂♂ 82 ♀♀ 9 larvae, IM; 16.viii.2004, 1 ♀, PK; 26.v.2005, 41 larvae, IM; 27.vii.2005, 4 ♂♂ 18 ♀♀, IM; 1.ix.2005, 1 ♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂ 1 ♀, PL. Javorník, SW slopes of Háj hill (93), 19.vi.1980, 1 ♂, PL. Javorník, Nad Vápenkou NM (94), 9.vii.1998, 1 ♂, IM. Javorník, loampit W of village (95), 24.v.2002, 1 ♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 6 ♂♂ 5 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 23.vi.2004, 2 ♂♂ 1 ♀ 1 larva; 26.v.2005, 1 ♂ 9 larvae; 27.vii.2005, 1 ♀; all IM. Nová Lhota, Fojtické Mlýny (98), 7.vii.1980, 2 ♂♂ 2 ♀♀, PL. Nová Lhota, Vápenky, Porážky NNR (99), 15.vii.1998, 1 ♂ 1 ♀, IM. Javorník, Machová NR (102), 9.vii.1998, several ♂♂ ♀♀, IM. Javorník, Výzkum hill (103), 10.vi.1982, 8 ♂♂ 12 ♀♀, PL. Strání, Záhumenice NM (104), 24.v.2001, 1 larva; 2.vii.2001, 2 ♀♀; all IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area, including the highest elevations. **General distribution:** Western Palaearctic. **Host plants:** Poaceae (*Holcus lanatus*, *Festuca rubra*, *Agrostis capillaris*, *Avenella flexuosa*). **Red List status:** –.

***Viridicerus ustulatus* (Mulsant et Rey, 1855)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Velká nad Veličkou, village (87), 19.vi.2000, 1 ♀, PK.

**Distribution and frequency in the Bílé Karpaty PLA:** Known only from two sites in the south-western part of the area; along roads and at forest margins. **General distribution:** Western Palaearctic. **Host plant:** *Populus alba*. **Red List status:** –.



***Wagneripteryx germari* (Zetterstedt, 1840)**

**Material examined.** Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♀; 12.vii.2006, 1 ♀; all IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 7 ♀♀; 10.ix.2002, 1 ♀; all IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♀♀, IM. Kněždub, Kněždubský háj forest (75), 22.vi.2001, 1 ♀, IM & PK. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.viii.2000, 1 ♀, PK; 9.–10.ix.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although quite local; on solitary pines in grasslands and along forest margins. **General distribution:** Eurosiberian. **Host plants:** *Pinus sylvestris*, *P. mugo*. **Red List status:** –.

***Zonocyba bifasciata* (Boheman, 1851)**

**Material examined.** Poteč, Ploščiny NR (12), 13.ix.1999, 2 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 3 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♀, IM. Kněždub, Kněždubský háj forest (75), 28.vii.2000, 2 ♂♂ 1 ♀, IM. Radějov, Lučina (76), 14.vii.1998, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread at forest margins throughout the area, although usually recorded in low numbers of specimens. **General distribution:** European. **Host plant:** *Carpinus betulus*. **Red List status:** –.

***Zygina angusta* Lethierry, 1874**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Dobšená NM (8), 10.ix.1999, 1 ♂, IM. Valašské Klobouky, Bílé potoky NR (13), 11.vii.2006, 1 ♀, IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 1 ♀, PK. Bylnice, Na Stráži (25), 11.vii.2006, 1 ♀, IM. Bylnice, Bylničky (26), 24.vi.1982, 2 ♀♀, PL. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂ 1 ♀, IM. Horní Němčí, Hornoněmčanský háj forest (45), 7.vii.1980, 1 ♀, PL; 10.ix.2002, 2 ♀♀, IM. Korytná, Březí (46), 5.vii.2001, 2 ♀♀, IM. Horní Němčí, Drahy NR (48), 10.ix.2002, 1 ♂, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♀, IM. Strání, Obecnice hill (60), 9.viii.2001, 1 ♂ 1 ♀, PK; 21.ix.2001, 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 8.viii.2007, 1 ♂; 22.ix.2007, 11 ♂♂ 10 ♀♀; all IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♀, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 4 ♂♂ 7 ♀♀, MT, JM & PC. Hrubá Vrbka, football ground (82), 20.ix.2001, 2 ♀♀, IM. Radějov, Kútky NR (86), 8.ix.1998, 1 ♀, IM. Velká nad Veličkou, village (87), 9.ix.2000, 2 ♂♂; 22.x.2000, 5 ♂♂ 1 ♀; all IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 13.vii.1998, 1 ♂, IM; 9.–10.ix.2000, 4 ♂♂ 6 ♀♀, IM. Suchov, Suchovské Mlýny (89), 1.ix.2005, 1 ♀, IM. Javorník, Jazevčí NNR (96), 6.v.2000, 1 ♂ 1 ♀; 19.vi.2000, 1 ♀; 10.ix.2000, 2 ♂♂ 2 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 9.viii.2001, 1 ♀, PK. Javorník, Machová NR (102), 4.vi.2010, 1 ♀; 14.vi.2010, 1 ♂ 12 ♀♀; all MT, JM & PC. Javorník, Výzkum hill (103), 10.vi.1982, 2 ♀♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common throughout the area; on shrubs and trees scattered in meadows and pastures, as well as along forest margins. **General distribution:** Eurosiberian. **Host plants:** *Crataegus* spp., *Rosa* spp., *Prunus spinosa*, *Quercus* spp. **Red List status:** –.

***Zygina flammigera* (Geoffroy, 1785)**

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Lipová, towards Haluzice (4), 21.viii.1984, 1 ♀, PL. Valašské Klobouky, U Rybníků (6), 10.ix.1999, 4 ♂♂ 9 ♀♀, IM. Poteč, Ploščiny NR (12), 1.vi.2002, 2 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Valašské Klobouky, Bílé potoky NR (13), 9.ix.1999, 1 ♀, IM; 14.viii.2006, 1 ♂ 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 25.vi.2002, 1 ♂, PK; 5.x.2004, 1 ♂ 1 ♀; 28.v.2005, 1 ♀; all IM. Nedašov, Kaňoury NM (18), 16.viii.2006, 2 ♀♀, PK. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Horní Němčí, Drahy NR (48), 15.v.1998, 1 ♀; 30.vi.2001, 1 ♀; both IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 4 ♀♀, IM. Starý Hrozenkov, Skalka quarry (67), 8.viii.2007, 1 ♂; 22.ix.2007, 1 ♂; both IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♀; 22.ix.2007, 2 ♂♂ 4 ♀♀; all IM. Radějov, Holý vrch hill (74), 8.ix.1998, 1 ♂, IM. Kněždub, Kněždubský háj forest (75), 17.vi.2000, 1 ♀; 28.vii.2000, 1 ♀; 20.ix.2001, 1 ♂; all IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂ 8 ♀♀, MT, JM & PC. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♀, IM & PK. Velká nad Veličkou, village (87), 18.iv.2000, 2 ♀♀; 9.ix.2000, 1 ♂; 22.x.2000, 5 ♂♂; all IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 3 ♂♂ 7 ♀♀, IM. Velká nad Veličkou, towards Javorník (91), 10.vi.1982, 1 ♂, PL. Javorník, village (92), 8.viii.2001, 1 ♀, PK. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂ 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 9.viii.2001, 1 ♂, PK. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♂, IM. Javorník, Machová NR (102), 14.vi.2010, 4 ♂♂ 6 ♀♀, MT, JM & PC. Strání, Záhumenice NM (104), 12.ix.2002, 1 ♂, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common on solitary shrubs and trees, in orchards, and at forest margins. **General distribution:** Eurosiberian. **Host plants:** Polyphagous on deciduous woody-plants (mainly *Prunus*, *Malus*, *Crataegus*, *Sorbus* and *Rosa*). **Red List status:** –.

***Zygina frauenfeldi* Lethierry, 1880****(CR)**

**Material examined.** Javorník, loampit W of village (95), 7.ix.1998, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Sporadic and local: known from a single record in the south-western part of the area; on a sparsely vegetated slope in an abandoned loampit. **General distribution:** Southern parts of central Europe and the Balkan peninsula (HOLZINGER *et al.* 2011). **Host plant:** *Sanguisorba minor*. **Red List status:** Critically endangered.

**Comments.** *Zygina frauenfeldi* is a rare and local species throughout its range of distribution (HOLZINGER *et al.* 2011). In the Czech Republic, it has been so far known only from xerothermic grasslands on limestone rocks in the Pavlovské vrchy Hills (LAUTERER 1980, 1995a) and there is another recent record of a population in an abandoned limestone quarry on the Hády hill near Brno (I. Malenovský, unpublished) suggesting that post-mining sites may represent favourable habitats for this endangered species.

***Zygina griseombra* Remane, 1994**

**Material examined.** Poteč, Ploščiny NR (12), 13.ix.1999, 1 ♂, IM. Horní Němčí, Hornoněmčanský háj forest (45), 10.ix.2002, 1 ♀, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread but rare or under-recorded; in oak-hornbeam forests and along their margins. **General distribution:** European. **Host plant:** *Carpinus betulus*. **Red List status:** –.

#### *Zygina hyperici* (Herrich-Schäffer, 1836)

**Published records.** LANG (1945a): Horní Němčí, Lesná hill/ Nová Lhota, Vápenky, Porážky NNR (51/99). **Additional material examined.** Poteč, Ploštiny NR (12), 13.ix.1999, 1 ♀, IM; 1.vi.2002, 19 ♂♂ 51 ♀♀, IM; 24.viii.2002, 1 ♀, PK. Nedašov, Jalovcová stráň NR (17), 3.vii.1999, 1 ♀; 10.ix.1999, 3 ♀♀; all IM. Nedašov, Kaňoury NM (18), 12.vii.2006, 1 ♂, IM. Rokytnice, Bukovina hill (23), 21.viii.1984, 1 ♂, PL. Bylnice, Na Stráži (25), 16.vi.2006, 4 ♂♂ 10 ♀♀; 11.vii.2006, 1 ♀; all IM. Korytná, Břeží (46), 5.vii.2001, 1 ♀, IM. Horní Němčí, Drahy NR (48), 13.viii.2001, 1 ♂ 1 ♀ 2 larvae, PK; 23.v.2002, 1 ♀, PK; 21.vii.2002, 3 ♂♂ 5 ♀♀, IM; 10.ix.2002, 5 ♂♂ 8 ♀♀, IM. Komňa, Lom Rasová NM (54), 5.vii.2001, 1 ♀, IM. Lopeník, U Zvonice NM (63), 24.vii.2005, 1 ♂, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 4 ♂♂ 3 ♀♀; 8.viii.2007, 1 ♂ 3 ♀♀; 22.ix.2007, 1 ♀; all IM. Výškovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♂, PK; 8.ix.2005, 2 ♀♀, IM. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 1 ♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 20.ix.2001, 1 ♀, IM & PK. Hrubá Vrbka, football ground (82), 28.vii.2001, 3 ♂♂ 1 ♀, IM. Radějov, Veselka hill (85), 11.vii.1998, 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♀, IM. Javorník, Petruchovy Mlýny (97), 17.vii.2002, 1 ♀; 7.ix.2002, 2 ♂♂ 2 ♀♀; all IM. Javorník, Výzkum hill (103), 10.vi.1982, 1 ♀, PL.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in meadows and pastures throughout the area. **General distribution:** Western Palaearctic. **Host plant:** *Hypericum perforatum*. **Red List status:** –.

#### *Zygina ordinaria* (Ribaut, 1936)

**Material examined.** Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the streamside vegetation in the Velička river valley between Javorník and Suchovské Mlýny. **General distribution:** Eurosiberian. **Host plants:** *Salix* spp. (mainly *S. alba*, *S. triandra*, *S. viminalis*, *S. fragilis*, *S. purpurea*, *S. repens*, and *S. pentandra*). **Red List status:** –.

**Comments.** *Zygina ordinaria* was recorded from the Czech Republic by DLABOLA (1954) from Bohemia. However, a revision of the corresponding material in Dlabola collection in the Muséum national d'Histoire naturelle in Paris has revealed that the material was originally misidentified and belongs to several other *Zygina* spp. (mostly *Z. angusta*). Here we provide the first confirmed data on *Z. ordinaria* from the Czech Republic. Based on additional unpublished material from the collection of the Moravian Museum, Brno, *Z. ordinaria* is a quite widespread species, at least in Moravia.

#### *Zygina schneideri* (Günthart, 1974)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77). **Additional material examined.** Valašské Klobouky, Královec hill (11), 10.ix.1999, 1 ♀, IM. Hluk, Kobylí hlava NM (35), 24.viii.2002, 1 ♂, IM. Hluk, Babí hora NM (36), 24.viii.2002, 5 ♂♂ 6 ♀♀, IM. Korytná, Břeží (46), 5.vii.2001, 1 ♀, IM. Březová, Kalábová NM (58), 4.vii.2001, 1 ♀, IM. Starý Hrozenkov, Skalka quarry

(67), 8.viii.2007, 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 8.viii.2007, 1 ♀; 22.ix.2007, 2 ♀♀; all IM. Radějov, Lučina (76), 14.vii.1998, 1 ♂, IM. Hrubá Vrbka, football ground (82), 19.vi.2000, 1 ♂, IM & PK; 20.ix.2001, 2 ♂♂, IM. Velká nad Veličkou, village (87), 18.iv.2000, 3 ♂♂ 2 ♀♀, IM; 18.viii.2000, 1 ♀, PK; 9.ix.2000, 4 ♂♂ 1 ♀, IM; 22.x.2000, 1 ♂ 5 ♀♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 18.iv.2000, 3 ♀♀, IM; 9.–10.ix.2000, 19 ♂♂; all IM. Suchov, Suchovské Mlýny (89), 6.v.2000, 1 ♀, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 2 ♂♂ 2 ♀♀, IM. Javorník, Petruchovy Mlýny (97), 23.ix.2001, 2 ♂♂, IM. Strání, Javorina NNR (106), 4.vii.2001, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but apparently common only in its south-western part; on shrubs scattered in meadows and pastures, on waysides, and along sunny forest margins. **General distribution:** European. **Host plants:** Rosaceous shrubs (*Prunus spinosa*, *Rosa* spp., *Cotoneaster*, *Potentilla fruticosa*). **Red List status:** –.

### *Zygina suavis* Rey, 1891

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Járkovec brook valley (77).

**Additional material examined.** Valašské Klobouky, Na Nivách (10), 9.ix.1999, 1 ♂ 1 ♀, IM. Bylnice, Lazy NR and surrounding meadows on N slopes of Pláňava hill (28), 12.ix.1999, 1 ♀, IM. Strání, Hrnčárky NM and Žabka reservoir surroundings (59), 10.ix.1998, 1 ♂ 1 ♀, IM. Starý Hrozenkov, Hrozenkovské terasy (68), 22.ix.2007, 1 ♂, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 9 ♂♂, IM. Javorník, Jazevčí NNR (96), 10.ix.2000, 1 ♂ 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area even if quite local; in spring fens and along forest margins. **General distribution:** Eurosiberian. **Host plants:** *Frangula alnus*, *Rhamnus cathartica*. **Red List status:** –.

### *Zygina tiliae* (Fallén, 1806)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR, Radějovka brook valley (79).

**Additional material examined.** Korytná, Lubná pond environs (56), 5.vii.2001, ?2 ♀♀, IM. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂, IM. Radějov, Měsíční údolí valley (84), 8.ix.1998, 2 ♂♂, IM. Velká nad Veličkou, village (87), 22.x.2000, 4 ♂♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 28.x.2011, 1 ♂, IM. Strání, Javorina NNR (106), 29.x.2011, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Recorded from the south-western and central parts of the area, quite uncommon; swept from trees near water or as overwintering specimens on spruce at forest margins. **General distribution:** European. **Host plants:** *Alnus glutinosa*, *A. incana*, *Tilia cordata*. **Red List status:** –.

### *Zyginella pulchra* Löw, 1885

**Published records.** MALENOVSKÝ & LAUTERER (2010): Poteč, Ploščiny NR (12); Hluk, Kobyli hlava NM (35).

**Additional material examined.** Nedašov, Kaňoury NM (18), 16.viii.2006, 2 ♂♂, PK. Lopeník, U Zvonice NM (63), 25.ix.2004, 1 ♂ 2 ♀♀, IM. Lopeník, Lopenické sedlo (64), 25.ix.2004, 1 ♀, IM. Lopeník, Mikulčín vrch hill (65), 25.ix.2004, 1 ♂, IM. Nová Lhota, Vápenky, Porážky NNR (99), 28.x.2011, 1 ♂, IM. Strání, Javorina NNR (106), 29.x.2011, 1 ♀, IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but preferring cooler sites at higher elevations; usually recorded in low numbers at forest

margins or on solitary trees in pastures. **General distribution:** Southern parts of central Europe, south-eastern Europe, Mediterranean region and the Near East. **Host plants:** Mainly *Acer pseudoplatanus*. **Red List status:** –.

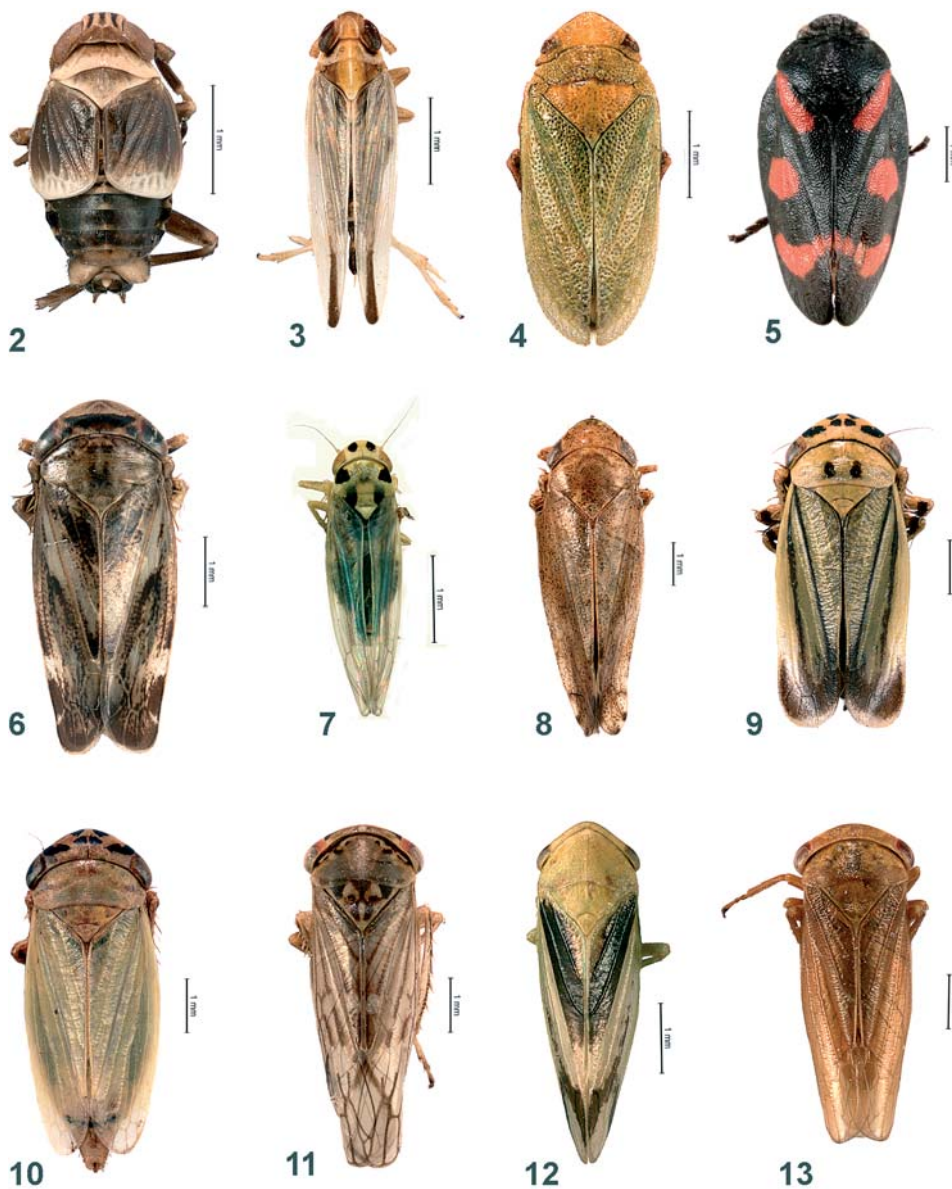
**Comments.** *Zyginella pulchra* has recently expanded its range in central Europe. First specimens in the Czech Republic were collected in 2000 (first records from the Bílé Karpaty PLA date back to 2002); currently, the species is widespread across whole Moravia and northern Bohemia (MALENOVSKÝ & LAUTERER 2010).

### *Zyginidia pullula* (Boheman, 1845)

**Published records.** MALENOVSKÝ (2001): Kněždub, Čertoryje NNR (77, 79).

**Additional material examined.** Valašské Klobouky, Brumovská street (5), 13.ix.1999, LT, 1 ♂ 1 ♀, IM. Valašské Klobouky, Javorůvky NR (7), 11.ix.1999, 1 ♀, IM. Valašské Klobouky, Brumovka brook valley (9), 9.ix.1999, 1 ♂ 1 ♀, IM. Poteč, Ploštiny NR (12), 13.ix.1999, 2 ♂♂, IM; 1.vi.2002, 1 ♂ 3 ♀♀, IM; 17.viii.2006, 1 ♀, PK. Brumov, Uhlíčky (14), 30.vi.2004, 1 ♂; 1.ix.2004, 6 ♂♂ 6 ♀♀; 5.x.2004, 9 ♂♂ 4 ♀♀; all IM; 28.vii.2005, 1 larva; 4.ix.2005, 1 ♀; both PK. Nedašov, Jalovcová stráň NR (17), 10.ix.1999, 1 ♀; 5.x.2004, 2 ♀♀; 6.ix.2005, 1 ♂ 4 ♀♀; 17.vi.2006, 1 ♀; all IM; 16.viii.2006, 1 ♀, PK. Brumov, Kloboucká street (24), 2.ix.2004, 2 ♂♂ 2 ♀♀; 5.x.2004, 2 ♂♂ 2 ♀♀; 28.v.2005, 1 ♀; all IM; 4.ix.2005, 2 ♂♂ 3 ♀♀, PK. Bylnice, railway station environs (27), 11.ix.1999, 2 ♂♂ 3 ♀♀, IM. Nedašov, Pod Cigánem NM (30), 1.ix.2004, 1 ♂ 1 ♀; 5.x.2004, 1 ♂ 2 ♀♀; 6.ix.2005, 2 ♂♂; all IM. Sidonie, Vlárský průsmyk pass (33), 12.ix.1999, 1 ♀, IM. Hluk, Kobyly hlava NM (35), 24.viii.2002, 1 ♀, IM. Hluk, Babí hora NM (36), 24.viii.2002, 2 ♂♂, IM. Korytná, Břeží (46), 5.vii.2001, 1 ♂ 5 ♀♀, IM. Suchov, Kazivec brook valley (47), 9.ix.1998, 1 ♀, IM. Horní Němčí, Drahy NR (48), 30.vi.2001, 1 ♂ 1 ♀, IM; 13.viii.2001, 2 ♂♂ 5 ♀♀, PK; 21.ix.2001, 1 ♂ 1 ♀, PK; 23.v.2002, 1 ♂ 2 ♀♀, PK; 21.vii.2002, 6 ♂♂ 6 ♀♀, IM; 10.ix.2002, 45 ♂♂ 48 ♀♀, IM. Horní Němčí, Vinohrádky (49), 30.vi.2001, 1 ♂ 1 ♀, IM; 13.viii.2001, 6 ♂♂ 8 ♀♀, PK; 21.ix.2001, 3 ♂♂ 1 ♀, PK; 20.vii.2002, 16 ♂♂ 20 ♀♀, IM; 10.ix.2002, 33 ♂♂ 13 ♀♀, IM. Korytná, Lubná pond environs (56), 5.vii.2001, 1 ♂, IM. Strání, Obecnice hill (60), 24.v.2001, 2 ♂♂ 4 ♀♀, IM; 2.vii.2001, 1 ♂, IM & PK; 9.viii.2001, 2 ♂♂, PK; 21.ix.2001, 25 ♂♂ 8 ♀♀, IM; 23.v.2002, 6 ♂♂ 5 ♀♀, IM. Lopeník, U Zvonice NM (63), 18.viii.2004, 1 ♂ 1 ♀, PK; 25.ix.2004, 2 ♂♂ 2 ♀♀, IM; 3.ix.2005, 1 ♂, PK. Lopeník, Lopenické sedlo (64), 27.vi.2004, 1 ♂, IM; 25.ix.2004, 1 ♀, IM; 24.vii.2005, 2 ♀♀, IM; 3.ix.2005, 1 ♂ 1 ♀, PK. Lopeník, Mikulčín vrch hill (65), 24.vii.2005, 1 ♀, IM. Starý Hrozenkov, Skalka quarry (67), 2.vii.2007, 2 ♂♂; 22.ix.2007, 8 ♂♂ 3 ♀♀; all IM. Starý Hrozenkov, Hrozenkovské terasy (68), 2.vii.2007, 1 ♂ 1 ♀; 8.viii.2007, 1 ♂ 1 ♀; 22.ix.2007, 4 ♂♂ 3 ♀♀; all IM. Výchovec, Výchovecké Bošacký (69), 27.vi.2004, 4 ♂♂ 1 ♀, IM; 19.viii.2004, 2 ♀♀, PK; 25.ix.2004, 6 ♂♂ 2 ♀♀, PK; 3.ix.2005, 1 ♀, PK. Výchovec, Pod Hřibovňou NM (70), 25.ix.2004, 1 ♂ 1 ♀, PK; 8.ix.2005, 3 ♀♀, IM. Kněždub, Čertoryje NNR (77, 79), 19.vi.1980, 1 ♂, PL. Kněždub, Čertoryje NNR, Radějovka brook valley (79), 15.vi.2010, 9 ♂♂, MT, JM & PC. Malá Vrbka, Výzkum hill (80), 27.vii.2000, 8 ♂♂ 9 ♀♀, IM & PK. Hrubá Vrbka, football ground (82), 20.ix.2001, 2 ♂♂ 1 ♀, IM. Radějov, Kútky NR (86), 2.vi.1979, 1 ♂, PL; 8.ix.1998, 2 ♂♂ 1 ♀, IM. Velká nad Veličkou, Zahrady pod Hájem NNR (88), 9.–10.ix.2000, 15 ♂♂ 6 ♀♀, IM. Suchov, Suchovské Mlýny (89), 16.viii.2004, 17 ♂♂ 31 ♀♀, PK; 1.x.2004, 76 ♂♂ 152 ♀♀, IM; 26.v.2005, 7 ♂♂ 10 ♀♀, IM; 27.vii.2005, 1 ♂ 1 ♀, IM; 1.ix.2005, 35 ♂♂ 37 ♀♀, IM. Suchov, Trnovský Mlýn (90), 16.viii.2004, 3 ♂♂ 11 ♀♀, PK; 1.x.2004, 70 ♂♂ 101 ♀♀, IM; 26.v.2005, 1 ♂, IM; 27.vii.2005, 3 ♂♂ 7 ♀♀, IM; 1.ix.2005, 15 ♂♂ 20 ♀♀ 1 larva, IM. Javorník, village (92), 24.v.2002, 1 ♂, IM. Javorník, Nad Vápenkou NM (94), 7.ix.1998, 1 ♂ 1 ♀; 7.ix.2002, 6 ♂♂ 2 ♀♀, IM. Javorník, Jazevčí NNR (96), 19.vi.2000, 1 ♂ 1 ♀; 10.ix.2000, 10 ♂♂ 6 ♀♀; all IM. Javorník, Petruchovy Mlýny (97), 2.ix.2004, 30 ♂♂ 34 ♀♀; 1.x.2004, 19 ♂♂ 36 ♀♀; 26.v.2005, 1 ♂ 3 ♀♀ 1 larva; 27.vii.2005, 8 ♂♂ 5 ♀♀ 1 larva; 1.ix.2005, 2 ♂♂ 2 ♀♀; all IM. Nová Lhota, Vápenky, Porážky NNR (99), 9.ix.1998, 1 ♀, IM. Strání, Záhumenice NM (104), 9.viii.2001, 2 ♂♂ 2 ♀♀, PK; 21.ix.2001, 4 ♂♂ 4 ♀♀, IM. Strání, Javorina NNR (106), 4.vii.2001, 2 ♂♂ 2 ♀♀; 29.x.2011, 2 ♂♂; all IM.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread and common in dry to mesic grassland (meadows, pastures, ruderal sites) throughout the area. **General distribution:** Western Palaearctic. **Host plants:** Various Poaceae. **Red List status:** –.



**Figs 2–13.** Some noteworthy planthopper and leafhopper species recorded in the Bílé Karpaty PLA. 2 – *Criomorpha williamsi* China; 3 – *Kelisia irregulata* Haupt; 4 – *Tettigometra virescens* (Panzer); 5 – *Cercopis arcuata* Fieber; 6 – *Athysanus quadrum* Boheman; 7 – *Eupteryx lelievrei* (Lethierry); 8 – *Fieberiella bohémica* Dlabola; 9 – *Handianus flavovarius* (Herrich-Schäffer), ♂; 10 – *H. flavovarius*, ♀; 11 – *Idiocerus vicinus* Melichar; 12 – *Macropsis gravesteini* Wagner; 13 – *Rhytidodus wagneri* Dlabola. Scale bar 1 mm.

### Discussion and conclusions

A total of 352 species of leafhoppers and planthoppers has been recorded from the Bílé Karpaty PLA to date, which makes up 62% of the Auchenorrhyncha fauna of the Czech Republic. This probably means that the regional Auchenorrhyncha biodiversity of this area is quite high, even if any comparison of this number with other regions in the Czech Republic is limited by a lack of faunistic studies summarizing data on a regional scale. LAUTERER (1995a) listed 180 species of Auchenorrhyncha from the Pálava Biosphere Reserve in its extended concept, MALENOVSKÝ (2006) found 231 species in the Kokořínsko Protected Landscape Area in central/northern Bohemia, and MALENOVSKÝ *et al.* (2011) recorded 237 species from 15 dry grassland reserves in the Pannonian part of southern Moravia. The numbers of Auchenorrhyncha species in individual localities in the Bílé Karpaty PLA exceed 100 in well-preserved reserves (KMENT & MALENOVSKÝ 2008), with the highest number recorded in the Čertoryje National Nature Reserve (195 species; MALENOVSKÝ 2001 and additional data included in this paper). Similarly high proportions (>50%) of species recorded in the Bílé Karpaty PLA compared with the fauna of the whole Czech Republic were also found in several other well-investigated invertebrate groups in the region, namely the molluscs (Mollusca), small annelids (Annelida: Enchytraeidae), harvestmen (Opiliones), centipedes (Chilopoda), dragonflies (Odonata), grasshoppers and crickets (Orthoptera), jumping-plant lice (Hemiptera: Psylloidea), true bugs (Hemiptera: Heteroptera), ground beetles (Coleoptera: Carabidae), ants (Hymenoptera: Formicidae), and moth flies (Diptera: Psychodidae). The Bílé Karpaty PLA may thus be considered, in general terms, one of the hot spots of the invertebrate diversity in the whole Czech Republic (MALENOVSKÝ *et al.* 2012).

This is further supported by the relatively high proportion of species considered threatened. Among the Auchenorrhyncha, 86 species (24%) recorded in the Bílé Karpaty PLA are included in the Red List of threatened invertebrates of the Czech Republic (MALENOVSKÝ & LAUTERER 2005a): five species are categorised as critically endangered (*Criomorphus williamsi*, *Delphax pulchellus*, *Euides alpina*, *Tettigometra leucophaea*, and *Zygina frauenfeldi*); 15 as endangered (*Cixius sticticus*, *Delphacodes capnodes*, *Delphax crassicornis*, *Euconomelus lepidus*, *Kelisia guttulifera*, *K. monoceros*, *K. sima*, *Megamelodes quadrimaculatus*, *Paradelphacodes paludosus*, *Tettigometra fusca*, *T. virescens*, *Batracomorphus allionii*, *Cosmotettix caudatus*, *Macropsis glandacea*, and *Psammotettix poecilus*); 47 as vulnerable, and 19 as near-threatened.

*Edwardsiana ulmiphagus* and *Idiocerus vicinus* are reported here for the first time for the Czech Republic and four species, *Muellerianella fairmairei*, *Fieberiella bohémica*, *Macropsis gravesteini* and *Zygina ordinaria*, for the first time for Moravia. All belong to taxonomically critical groups and may have been partly overlooked or misidentified in the past. *Edwardsiana ulmiphagus* has recently been distinguished from the similar and closely related *E. lethierryi* and *E. plurispinosa* by WILSON & CLARIDGE (1999). Some records assigned to *Edwardsiana hippocastani* (Edwards, 1888) (currently a synonym of *E. lethierryi*) in previously published Czech literature belong to *E. ulmiphagus* (e.g. DLABOLA 1954). *Idiocerus vicinus*, *Macropsis gravesteini* and *Zygina ordinaria* are all *Salix*-feeders with relatively wide general distributions but close

morphological resemblances to related species (see RIBAUT 1952, REMANE 1994, TISHECHKIN 2002, and BIEDERMANN & NIEDRINGHAUS 2004 for diagnostic characters). All probably occur in the Czech Republic also outside of the Bílé Karpaty PLA but a revision/evaluation of material already deposited in the museum collections and further field studies are needed to reveal their fine distribution in the country. *M. fairmairei* is probably a prevalingly western European (Atlantic) species also distributed in the Mediterranean area (BOOIJ 1981). In the Czech Republic, it has been confirmed in central and southern Bohemia but may be more widespread; specimens are often difficult to identify as only females are usually recorded (MALENOVSKÝ 2006 and unpublished data). *F. bohémica* has been known to date only from the type series from central Bohemia (DLABOLA 1965a) but it may be part of a cline or species complex extending into south-eastern Europe (MEYER-ARNDT & REMANE 1992a,b).

*Kelisia irregulata*, fairly frequent in the Bílé Karpaty PLA in spring fens and intermittently dry grassland, has not yet been recorded in the Czech Republic outside the Bílé Karpaty PLA. The same is true of *Trigonocranus emmeae*, a cryptically-living, soil-dwelling planthopper that is only rarely collected anywhere in central Europe. A highly characteristic species of semi-dry grasslands in the Bílé Karpaty PLA is *Handianus flavovarius*, a conspicuous leafhopper. This eastern European/central Asian species is fairly common and widely distributed along the entire ridge of the Bílé Karpaty Mts. but is otherwise known from only a few additional places in the Czech Republic, reaching the absolute westernmost limit of its distribution in the environs of the town of Bučovice in south-eastern Moravia (LAUTERER 1983, MALENOVSKÝ *et al.* 2011). The Bílé Karpaty PLA is also noteworthy for the relatively frequent occurrence of several other species confined to species-rich grasslands (semi-dry meadows and pastures) that are quite rare elsewhere in the Czech Republic, among them *Tettigometra impressopunctata*, *T. virescens*, *Cercopis arcuata*, *Allygidius abbreviatus*, *Athysanus quadrum*, *Batracomorphus allionii*, *Eupteryx lelievrei*, and *E. origani*. Many additional species of planthoppers and leafhoppers threatened at national level are restricted to calcareous spring fens, a generally highly-endangered habitat in all of central Europe. Although scarce in the rest of the Czech Republic, spring fens in the Bílé Karpaty are relatively numerous and occur scattered on slopes in meadows and pastures, harbouring a species-rich Auchenorrhyncha fauna including *Chloriona unicolor*, *Delphax crassicornis*, *Euides alpina*, *Florodelphax leptosoma*, *Kelisia guttula*, *K. irregulata*, *K. pallidula*, *K. praecox*, *K. vittipennis*, *Megamelodes quadrimaculatus*, *Paradelphacodes paludosus*, *Stenocranus fuscovittatus*, *Eupteryx collina*, *Sorhoanus assimilis*, as well as many other, more common hygrophilous species. Altogether some 200 species of leafhoppers and planthoppers are associated with various grassland communities, open wetlands, and meadow/pasture fringes in the Bílé Karpaty PLA (KMENT & MALENOVSKÝ 2008). Species-rich meadows and pastures and calcareous spring fens are thus key habitats in the Bílé Karpaty PLA for Auchenorrhyncha from a conservationist viewpoint, just as they are for plants and many other groups of invertebrates (HÁJEK 1998, HÁJEK *et al.* 2005, HORSÁK 2005, POULÍČKOVÁ *et al.* 2005, JONGEPIEROVÁ 2008). Both grassland and spring fens are dependent on regular but careful (sensitive and informed) management by farmers and/or local conservation authorities, an approach that needs to block natural



succession at an optimum stage for threatened species, usually by removing biomass (cutting, grazing and scrub removal) at the same time as avoiding the other extreme of over-intensive use, which would also lead to decline of priority species (JONGEPIEROVÁ 2008, KONVIČKA *et al.* 2008).

A considerable number of leafhoppers and planthoppers (*ca.* 130 species) are also associated with woody plants, particularly those growing along sunny forest margins, hedges and as solitary trees and shrubs scattered within and between meadows and pastures, as is typical of the Bílé Karpaty landscape, and along brooks and rivers. These habitats, too, are rich in Auchenorrhyncha including some rare species, among them *Cixius sticticus*, *C. stigmaticus*, *Cicadetta montana*, *Issus muscaeformis*, *Allygidius furcatus*, *Allygus maculatus*, *Edwardsiana bergmani*, *E. ishidai*, *E. lamellaris*, *E. soror*, *Kybos mucronatus*, *K. strobli*, *Fieberiella bohémica*, *Macropsis glandacea*, *Rhytidodus wagneri*, *Sagatus punctifrons*, *Thamnotettix exemtus* and others).

In addition to the many mesophilous, widely distributed species in central Europe, both xerothermophilous species with strongholds in the warmest parts of the Czech Republic and psychrophilous species predominantly distributed in submontane or montane areas in central Europe are represented in the Auchenorrhyncha fauna of the Bílé Karpaty PLA. Some xerothermophilous species are restricted to only the warmer, south-western part of the Bílé Karpaty Mts. (the environs of Radějov, Kněždub, Velká nad Veličkou, Javorník, Suchov and Horní Němčí, e.g. *Reptalus quinquecostatus*, *Jassidaeus lugubris*, *Tettigometra fusca*, *Neophilaenus infumatus*, *Gargara genistae*, *Allygidius atomarius*, *A. furcatus*, *Fagocyba carri*, *Platymetopius undatus*, *Thamnotettix exemtus*, *Tremulicerus distinguendus*, and *Zygina frauenfeldi*), while others were also found at the warmest sites in the generally colder central and north-eastern parts of the area, particularly in the valleys open to the south-east in the warm River Váh valley in Slovakia, which may play the role of corridors for the spread of thermophilous species (e.g. the environs of Bylnice in the Vlárský průsmyk pass: *Reptalus panzeri* and *Dictyophara europaea*, or the environs of Vyškovecké Bošacky and Starý Hrozenkov: *Asiraca clavicornis*, *Hardya tenuis*, *Mocydiopsis longicauda*, *Penthimia nigra*, *Rhopalopyx vitripennis*, *Stictocoris picturatus*, *Tettigometra virescens*, and others). In contrast, several species, among them *Delphacinus mesomelas*, *Dicranotropis divergens*, *Javesella discolor*, *Ribautodelphax collina*, *Xanthodelphax flaveola*, *Issus muscaeformis*, *Edwardsiana bergmani*, *Erythria manderstjernii*, *Eupteryx heydenii*, *E. origani*, and *Jassargus pseudocellaris*, clearly prefer the colder conditions of the central and north-eastern Bílé Karpaty Mts. or occur only at higher elevations (e.g. Velká Javořina Mt., 970 m), and represent montane elements in the regional fauna.

The occurrences of four species recorded some time ago in what is now the Bílé Karpaty PLA by LANG (1945a) (*Tettigometra leucophaea*, *Doratura exilis*, *Idiodonus cruentatus*, and *Planaphrodes trifasciata*) have not been confirmed by findings in recent years. While *Planaphrodes trifasciata* may have been overlooked due to its prevailingly epigeic way of life, *Tettigometra leucophaea*, before 1970 a widely distributed species in the Czech Republic, has probably become extinct in most places in the whole country, including the Bílé Karpaty. *Doratura exilis* is an extremely xerothermophilous, stenotopic species of narrow-leaved dry grassland, a habitat which has been practically

eradicated from the Bílé Karpaty since 1945 (MACKOVČIN & JATIOVÁ 2002, JOGEPİEROVÁ 2008). The species is currently very rare in the Czech Republic and may have become extinct in the Bílé Karpaty. *Idiodonus cruentatus* may also have declined in the country and has not been collected anywhere in south-eastern Moravia recently, although Lang's material from the 1940s included many specimens.

On the other hand, at least four species of Auchenorrhyncha have spread into the Bílé Karpaty PLA in recent decades. Two of them are invasive exotic species, originating in North America (*Stictocephala bisonia*) and eastern Asia (*Japananus hyalinus*), which have become naturalized and widely distributed in the Czech Republic (LAUTERER & MALENOVSKÝ 2006; MALENOVSKÝ & LAUTERER 2006a,b; LAUTERER *et al.* 2011). *Zyginella pulchra* is originally a southern European species associated mainly with *Acer* spp. which has extended its range into the Czech Republic, probably only shortly before the year 2000 (MALENOVSKÝ & LAUTERER 2010). These three species occur in the Bílé Karpaty PLA in natural or semi-natural habitats (forest margins, scrub, orchards etc.). The last exotic species, *Macropsis elaeagni*, originally from central Asia, is a monophagous species mostly restricted to ornamental gardens and parks or wayside corridors with plantations of *Elaeagnus angustifolia*, its host plant (MALENOVSKÝ & LAUTERER 2006a). In the Bílé Karpaty PLA, it is probably restricted only to ornamental vegetation in villages.

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### Souhrn

#### **Křísí (Hemiptera: Auchenorrhyncha) Chráněné krajinné oblasti a biosférické rezervace Bílé Karpaty.**

Na základě faunistického průzkumu v letech 1998–2012, dřívějších sběrů uložených ve sbírkách Moravského zemského muzea v Brně a údajů publikovaných v literatuře uvádíme z Chráněné krajinné oblasti a biosférické rezervace Bílé Karpaty a několika blízké situovaných lokalit celkem 352 druhů křísů (Hemiptera: Auchenorrhyncha). Dva druhy, pidikřísek *Edwardsiana ulmiphagus* Wilson et Claridge, 1999 a tykadlenka *Idiocerus vicinus* Melichar, 1898, jsou zde poprvé hlášeny z území České republiky a čtyři druhy, ostruhovník *Muellerianella fairmairei* (Perris, 1857), křísek *Fieberiella bohémica* Dlabola, 1965, prstenovka *Macropsis gravesteini* Wagner, 1953 a pidikřísek *Zygina ordinaria* (Ribaut, 1936), poprvé z Moravy. Fauna křísů moravské strany Bílých Karpat je výjimečně bohatá, jelikož zahrnuje 62 % ze všech druhů křísů současně známých z České republiky. Kromě mnoha široce rozšířených a obecně hojných druhů bylo v Bílých Karpatech nalezeno i 86 druhů zařazených do Červeného seznamu ohrožených bezobratlých České republiky, včetně pěti kriticky ohrožených: plochulka obecná (*Tettigometra leucophaea* (Preyssler, 1792)), která však zřejmě v Bílých Karpatech v posledních desetiletích již vymřela, ostruhovník *Criomorphus williamsi* China, 1939, *Delphax pulchellus* (Curtis, 1833) a *Euides alpina* (Wagner, 1948) a pidikřísek *Zygina frauenfeldi* Lethierry, 1880. Z pohledu ochrany přírody jsou nejvýznamnějšími biotopy pro křísy v Bílých Karpatech zejména extenzivně obhospodařované suché květnaté louky a pastviny, vápnná prameniště a jiné luční mokřady a osluněné lesní okraje včetně soliterních dřevin. Všechna tato prostředí zde hostí druhově bohatá společenstva křísů s relativně častým výskytem řady druhů, které jsou v jiných oblastech České republiky velmi vzácné, případně zcela chybí (např. ostruhovník *Kelisia irregularata* Haupt, 1935; plochulka *Tettigometra virescens* (Panzer, 1799); pěnodějka *Cercopis arcuata* Fieber, 1844; křískové *Athysanus quadrum* (Boheman, 1845) a *Handianus flavovarius* (Herrich-Schäffer, 1835); šířenka *Batracomorphus allionii* (Turton, 1802); pidikřískové *Eupteryx lelievri* (Lethierry, 1874) a *E. origani* Zachvatkin, 1948 a další).

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