

## True bugs (Hemiptera: Heteroptera) of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (Czech Republic)

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KMENT P. & BAŇAŘ P. 2012: True bugs (Hemiptera: Heteroptera) 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): 323–628. – An extensive survey of true bugs (Hemiptera: Heteroptera) was carried out in the Bílé Karpaty Protected Landscape Area and Biosphere Reserve (south-eastern Moravia, Czech Republic) in 1998–2010, combining various methods of qualitative and quantitative sampling. Before 1998, just 98 species of Heteroptera had been recorded from the Czech side of the Bílé Karpaty Mts., as geographically defined in this contribution. The newly-acquired material yielded 10,732 faunistic records based on examination of ca. 35,984 specimens of Heteroptera. A total of 501 species of true bugs is now known from the Bílé Karpaty PLA, which constitutes 58% of the Czech heteropteran fauna. Among the various habitats, species-rich grasslands are of crucial importance for Heteroptera, harbouring many rare and threatened species, among them *Criocoris nigripes* Fieber, 1861, *Deraeocoris morio* (Boheman, 1852), *Halticus pusillus* (Herrich-Schaeffer, 1835), *Heterocapillus tigrripes* Mulsant et Rey, 1852, *Lopus decolor* (Fallén, 1807), *Macrotylus paykullii* (Fallén, 1807), *Megalocoleus molliculus* (Fallén, 1807), *Orthocephalus brevis* (Panzer, 1798), *Orthocephalus coriaceus* (Fabricius, 1777), *Placochilus seladonicus* (Fallén, 1807), and *Systellonotus triguttatus* (Linnaeus, 1767). Other important habitats are hedges and forest margins, spring fens, and natural deciduous forests. Three species are recorded here for the first time from the Czech Republic: *Charagochilus spiralifer* Kerzhner, 1988, *Heterocordylus cytisi* Josifov, 1958 (both Miridae), and *Dysepicritus rufescens* (A. Costa, 1847) (Anthocoridae); further, *H. cytisi* is a first record for central Europe. Four additional species are recorded for the first time for Moravia: *Acalypta platycheila* (Fieber, 1844) (Tingidae), *Phytocoris* (*Phytocoris*) *hirsutulus* Flor, 1861 (Miridae), *Loricula* (*Loricula*) *ruficeps* (Reuter, 1884) (Microphysidae), and *Elatophilus* (*Elatophilus*) *nigricornis* (Zetterstedt, 1838) (Anthocoridae). In addition, *Ch. weberi* Wagner, 1953 is removed from the list of Slovak fauna while *Ch. spiralifer* is listed from Slovakia for the first time. Altogether 62 of the true bug species (12%) recorded in the Bílé Karpaty PLA fall into the categories defined by the Red List of threatened invertebrates of the Czech Republic. One of them, *Megalotomus junceus* (Scopoli, 1763), was considered extinct prior to its rediscovery in the Bílé Karpaty PLA. Four other species are classified as critically endangered: *Agramma confusum* (Puton, 1879), *Tropidothorax leucopterus* (Goeze, 1778), *Coriomeris scabricornis* (Panzer, 1809), and *Chlorochroa juniperina* (Linnaeus, 1758), while nine are considered endangered: *Gerris asper* (Fieber, 1860), *Macrotylus quadrilineatus* (Schrank, 1785), *Tytthus pygmaeus* (Zetterstedt, 1838), *Peritrechus gracilicornis* Puton, 1877, *Scolopostethus puberulus* Horváth, 1887, *Berytinus striola* (Ferrari, 1874), *Ceraleptus gracilicornis* (Herrich-Schaeffer, 1835), *Sehirus morio* (Linnaeus, 1761), and *Holcostethus sphacelatus* (Fabricius, 1794). Thirty-one species are vulnerable, and seventeen near-threatened. The majority of the heteropteran fauna of the Bílé Karpaty PLA belong to a range of widely-distributed faunistic elements: 100 species (20%) are of Holopalaeartic or Holarctic distribution, 163 species (33%) are Eurosiberian, 108 species (22%) West Palaearctic or West Eurosiberian, 69 species (14%) European, and 57 species (11%) are of Mediterranean origin. Among the Mediterranean species, several are of major zoogeographical importance, reaching their northernmost distribution limits in the Bílé Karpaty: *Harpocera hellenica* Reuter, 1876, *Heterocapillus tigrripes*, *Heterocordylus cytisi*, *Icodema infusca* (Fieber, 1861), *Psallus asthenicus* Seidenstücker, 1966, *P. cruentatus* (Mulsant et Rey, 1852), *Megalotomus junceus*, and *Vilpianus galii* (Wolff, 1802). The suitability of Malaise traps as a method of assessing the heteropteran diversity in a given area is briefly discussed.

**Key words.** Hemiptera, Heteroptera, faunistics, new records, threatened species, White Carpathians, Moravia, Malaise traps

### Introduction

Heteroptera, or true bugs, make up the most diverse group of Hemiptera, with more than 42,300 described species worldwide classified in *ca.* 89 recent families and 7 infraorders. Unlike the phytophagous and terrestrial Sternorrhyncha, Auchenorrhyncha, and Coleorrhyncha, true bugs developed more diverse ways of life and the group includes also aquatic and semi-aquatic developed groups, oceanic and intertidal species, zoophages and blood-sucking ectoparasites (SCHUH & SLATER 1995, FORERO 2008, HENRY 2009, WEIRAUCH & SCHUH 2011). Some of the heteropteran species are of economic importance, being agricultural pests, plant disease vectors or zoophages used for biocontrol (SCHAEFER & PANIZZI 2000). More rarely, they are nuisance and blood-sucking parasites on humans and livestock (SCHUH & SLATER 1995).

The true bug fauna of the Czech Republic is quite well documented, although the last available check-list, by HOBERLANDT (1977a), is outdated and many papers making additions and corrections to it have been published since. A total of 865 species of Heteroptera is currently known from the Czech Republic, of which 760 occur in Bohemia and 804 in Moravia (Kment, unpublished). Altogether 260 species are included in the Red List of threatened Czech invertebrates, with 20 of them classified as extinct in the whole country, 42 as critically endangered, 96 as endangered, 73 as vulnerable, and 29 as near-threatened (KMENT & VILÍMOVÁ 2005). However, four of the species considered extinct have recently been rediscovered: *Stephanitis pyri* (Fabricius, 1775) (KMENT & VAHALA 2006), *Eurydema fieberi* (Fieber, 1836) (KMENT & JINDRA 2008), *Megalotomus junceus* (Scopoli, 1763) (HRADIL *et al.* 2008), and *Pithanus hrabei* Stehlík, 1952 (LACINA 2010, 2011).

In general terms, faunistic research into the Heteroptera of Moravia (the eastern part of the Czech Republic) once lagged behind that into other groups, e.g. the Coleoptera and Lepidoptera. This also held true for the current Bílé Karpaty Protected Landscape Area and Biosphere Reserve (hereafter abbreviated to PLA) which covers the Czech part of the Bílé Karpaty Mts. [the White Carpathians] extending along the Czech-Slovak border in south-eastern Moravia. Due to its specific geology (largely based on calcareous flysch), relief and hydrology, favourable geographical situation, relatively warm climate and post-glacial history, as well as traditional land use, the Bílé Karpaty PLA represents a biodiversity hot spot in the Czech Republic (see KUČA *et al.* (1992), MACKOVČIN & JATIOVÁ (2002), JONGEPIEROVÁ (2008), and KONVIČKA *et al.* (2012) for detailed information on the natural history of the area). It is particularly famous for its floristically rich semi-natural grasslands, but the fauna of Heteroptera have remained little-known until recently.

The first record of a true bug species from the Bílé Karpaty Mts. was published by SPITZNER (1892) within his list of the Moravian Heteroptera: *Chlorochroa pinicola* (Mulsant et Rey, 1852) from Luhačovice. However, proper heteropterological investigations in this area began only during World War II, when several Czech entomologists (especially F. Gregor sen., A. Hoffer, and V. Lang) collected in the southern parts of the Bílé Karpaty Mts. (in the environs of Javorník, Korytná, and Velká Javořina). Their materials were identified and some interesting records published in a

number of papers by BALTHASAR (1942, 1945), DLABOLA (1943), DOBŠÍK (1950), HOBERLANDT (1942, 1944, 1947), and STEHLÍK (1945a, 1948). After the war, only little collecting was done in the Bílé Karpaty Mts., with the exception of a few collecting trips by the Department of Entomology of the Moravian Museum in Brno (J. L. Stehlík, P. Lauterer, L. Pospíšilová, P. Raus, J. Meduna). Based on their samples, STEHLÍK (1973) published the first record of *Canthophorus impressus* (Horváth, 1880) for Moravia. From 1981 on, Jaroslav L. Stehlík (later with the collaboration of I. Vavřínová and E. Heiss) published a series of comprehensive papers on particular groups of Heteroptera, *Results of the investigation on Hemiptera in Moravia made by the Moravian Museum*, summarizing all the available faunistic data for Moravia. This series completely covered the Pentatomoidea (STEHLÍK 1981, 1983, 1984, 1985, 1986, 1987, 1995), Coreoidea (STEHLÍK 1988, STEHLÍK & VAVŘÍNOVÁ 1989), Lygaeoidea (STEHLÍK & VAVŘÍNOVÁ 1987, 1990, 1997b, 1998a,b), Aradidae (STEHLÍK & HEISS 2000), Tingidae (STEHLÍK 2002), Reduviidae and Nabidae: Prostemmatinae (STEHLÍK & VAVŘÍNOVÁ 1997a). Unfortunately, the material of the remaining groups (Dipsocoromorpha, Nepomorpha, Gerromorpha, Leptopodomorpha, Cimicomorpha: Miridae, Microphysidae, Anthocoridae, Cimicidae, and Nabidae: Nabinae), pooled in the collection of the Moravian Museum, still awaits identification. This phase of the research into the Heteroptera of the Bílé Karpaty Mts. was also reviewed by ROHÁČOVÁ (1992), who also cited records of three species from an unpublished list of Heteroptera from the environs of Luhačovice by K. Čadek, but mainly addressed the localities on the Slovak side of the mountains. NEJEDLÁ (1997) reviewed and mapped the distribution of the family Rhopalidae in the Czech Republic and Slovakia, but included only one original record from the Bílé Karpaty Mts. Based on all published records, 98 species of Heteroptera were known from the Bílé Karpaty Mts. in 1998. Fourteen species were later added by STEHLÍK & HEISS (2000) and STEHLÍK (2002).

An extensive inventory of the Heteroptera in the Bílé Karpaty PLA, originally inspired by Pavel Bezděčka, was gathered by the first author (P. Kment) and his collaborators (I. Malenovský, M. Horsák, M. Omesová, P. Šmarda, and T. Vymyslický) between 1998 and 2007. In recent years, several other collectors (E. Ezer, K. Hradil, P. Komzák, O. Konvička, Z. Malinka, M. Straka, J. Sychra, and J. Vávra) lent invaluable support by kindly providing their records or material for study. In 2007–2010, a further substantial portion of material was obtained by the use of Malaise traps installed by the Department of Entomology, National Museum, Praha. The first published result of such recent work was a species inventory for the Čertoryje National Nature Reserve listing 181 species (KMENT 2001). Some of the more interesting records were included in a series of faunistic contributions (KMENT & BRYJA 2001; BRYJA & KMENT 2002; KMENT & SMÉKAL 2002; KMENT *et al.* 2003, 2005, 2006, 2008; KMENT & MALENOVSKÝ 2004, 2008; ŠPRYŇAR & KMENT 2005; KMENT 2006; KMENT & BRYJA 2006; RIEGER & RABITSCH 2006; WYNIGER & KMENT 2006; HRADIL *et al.* 2008; KMENT *et al.* 2009). A number of the specimens gathered were also utilized in morphological studies by KMENT & VILÍMOVÁ (2010a,b). General accounts of the ongoing investigations were presented by KMENT & MALENOVSKÝ (2004, 2008), LAŠTŮVKA *et al.* (2008), and MALENOVSKÝ & KMENT (2004). KMENT & MALENOVSKÝ (2004) gave a running number of 399 species of Heteroptera known from the Bílé Karpaty PLA.

This paper aims to provide a complete list of species of true bugs recorded in the Bílé Karpaty PLA to date by summarizing all previously published data, excerpting unpublished data available from private or museum collections and, particularly, by evaluating the copious additional material collected in recent years.

### Material and methods

The area under study, for the purposes of this contribution, is largely demarcated by the current boundaries of the Bílé Karpaty Protected Landscape Area and Biosphere Reserve, with the addition of the area of its suggested enlargement in the environs of Velká nad Veličkou (KONVIČKA *et al.* 2012). We also include some additional localities situated close to, but outside, the actual administrative boundaries of the Bílé Karpaty PLA, in the environs of Valašské Klobouky, Poteč, Luhačovice, Bánov, Hluk, Blatnička, Blatnice pod Svatým Antonínkem, Lipov, and Petrov; these are characterized by similar natural conditions. However, we omit the territory of the town of Strážnice, situated in the floodplain of the River Morava; although it lies partly within the Bílé Karpaty PLA, its natural characteristics differ from the remainder of the area and, moreover, all previously published records from Strážnice probably refer to localities outside the boundaries of the Bílé Karpaty PLA (e.g. STEHLÍK & VAVŘINOVÁ 1989, KMENT *et al.* 2003, KMENT 2006).

Most of the material evaluated comes from field surveys undertaken in 1998–2011. Terrestrial species were collected mostly by qualitative sampling by sweep net or individual collecting in litter, on and under the bark of trees, on the shores of bodies of water, on the ground in spring fens, etc. A kitchen strainer attached to a handle was used to catch aquatic and semi-aquatic bugs. In some selected sites, semi-quantitative sweeping samples (usually 200 sweep-net strokes per site) were taken to outline the structure of the Heteroptera communities. Pitfall traps, yellow pan traps, and especially Malaise traps, were also used in some localities.

Further data were acquired in the course of museum work and identification of Heteroptera material in the Moravian Museum, Brno, and several other private and institutional collections. The depositories of all material examined are abbreviated in the paper as follows:

ALDC	Adam Lacina, Dačice, Czech Republic
EEZC	Eduard Ezer, Zlín, Czech Republic
JBSC	Josef Bryja, Studenec, Czech Republic
JDKD	Jakob Damgaard, København, Denmark
JSAS	Juan Antonio Sanchez, Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario (IMIDA), La Alberca, Murcia, Spain
JSBC	Jan Sychra, Brno, Czech Republic
JVPC	Jitka Vilímová, Faculty of Science, Charles University, Praha, Czech Republic
KHMC	Karel Hradil, Miletín, Czech Republic
MBFC	Muzeum Beskyd [Beskydy Museum], Frýdek-Místek, Czech Republic
MHBC	Michal Horsák, Brno, Czech Republic
MJBC	Martin Just, Brno, Czech Republic
MMBC	Moravian Museum, Brno, Czech Republic

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MMHC	Marion Mantič, Hlučín, Czech Republic
MSHC	Michal Straka, Hustopeče, Czech Republic
MUBC	Institute of Botany and Zoology, Masaryk University, Brno, Czech Republic
MZLU	Mendel University, Brno, Czech Republic
NMPC	National Museum, Praha, Czech Republic
OBPC	Ondřej Balvín, Praha, Czech Republic
OKZC	Ondřej Konvička, Zlín, Czech Republic
OMOC	Ostravské muzeum [Museum of Ostrava], Ostrava, Czech Republic
PBPC	Petr Bogusch, Pardubice, Czech Republic
PKBC	Petr Komzák, Brno, Czech Republic
PKPC	Petr Kment, deposited in the National Museum, Praha, Czech Republic (the number of specimens examined corresponds to a faunistic database by P. Kment; for common species, only a few voucher specimens serving as a record are usually kept in the collection)
PSBC	Petr Šmarda, Brno, Czech Republic
VMPC	Východočeské muzeum v Pardubicích [Museum of Eastern Bohemia in Pardubice], Pardubice, Czech Republic
VURV	Výzkumný ústav rostlinné výroby [Crop Research Institute], Praha-Ruzyně, Czech Republic
VVKC	Vladimír Vrabec, Krakovany, Czech Republic
ZJPC	Zdeněk Jindra, Praha, Czech Republic
ZMOC	Zdeněk Malinka, Opava, Czech Republic

Unless stated otherwise, all material was identified by Petr Kment. The classification in the paper is based on CASSIS & GROSS (1995, 2002). The nomenclature mainly follows AUKEMA & RIEGER (1995, 1996, 1999, 2001, 2006) and AUKEMA *et al.* (2012), also used to excerpt the information on the distribution of individual species, taking into account further information published later and deriving distribution categories largely from JOSIFOV (1986). In the context of brief general distribution information (provided, for example, in the annotated list of species), Moravia is understood as including the Czech part of Silesia (see KMENT 2009 for details). The conservation status for each species is taken from the Red List of threatened invertebrates of the Czech Republic (KMENT & VILÍMOVÁ 2005). Species not known to be part of the Czech fauna prior to the publication of the Red List (2005) are classified as “Not evaluated”.

The following abbreviations are also used throughout the text: 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.); ap – apterous, br – brachypterous, L(n) – larva (instar number), ma – macropterous, mi – micropterous, sma – submacropterous, spec. – unsexed imago; det. – specimen(s) identified by, observ. – specimen(s) observed, not collected, lgt. – specimen(s) collected by, revid. – identification revised by; Mt – Malaise trap, pt – pitfall trap, ypt – yellow pan trap; CR – critically endangered, EN – endangered, EX – extinct in the Czech Republic, NT – near-threatened, VU – vulnerable (the latter five all categories derived from the Red List of threatened invertebrates of the Czech Republic (KMENT & VILÍMOVÁ 2005).

### 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 the 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.* 2011), alternative name(s) of the locality if used on voucher specimen labels in collections or in earlier papers [given in square brackets], GPS coordinates, altitude; and habitat characteristics.

1. Luhačovice, Aloiska spring environs (6872d3), 49°06'08"N 17°45'54"E, 300 m a.s.l.; park.
2. Luhačovice, building of the Bílé Karpaty PLA Management, Nádražní ulice street (6872d3), 49°06'00.3"N 17°45'18.5"E, 250 m a.s.l.; inside of the building.
3. Luhačovice, forest along Štávnické river (6872d3), 49°06'42"N 17°46'15"E, 270 m a.s.l.; deciduous forest (*Acer*, *Fagus*), sifting of moss.
4. Luhačovice, fountain in front of the Fontána II Hotel (6872d3), 49°06'55"N 17°46'15"E, 290 m a.s.l.; unkempt concrete fountain.
5. Luhačovice, Gáborka brook (6872d3), 49°06'25.7"N 17°46'40.8"E, 320 m a.s.l.; stream.
6. Luhačovice, Ještí, E of Gáborka spring (6872d3), 49°06'24"N 17°47'26"E, 450 m a.s.l.; forest margins, slopes with spring fens.
7. Luhačovice, Petrůvka brook near "Na Klenkově" cottage colony (6872d3), 49°07'15"N 17°47'46"E, 320 m a.s.l.; stream.
8. Luhačovice, S slope of Velká kamenná hora hill (6872d3), 49°06'06"N 17°46'22"E, 350–400 m a.s.l.; forest margin.
9. Luhačovice, Štávnické river under the Fontána II Hotel (6872d3), 49°06'57"N, 17°46'08"E, 265 m a.s.l.; river.
10. Luhačovice, U Kamenného kříže crossroad (6872d3), 49°06'02"N 17°47'02"E, 430–440 m a.s.l.; roadside vegetation.
11. Luhačovice (6872d3–6972a2/b1), 250–300 m a.s.l.; details on precise location and habitat unknown.
12. Nevšová, Hranice hill, towards Gáborka brook spring (6872d4), ["hill above the village"], 49°06'28"N 17°49'49"E, 490–500 m a.s.l.; forest path.
13. Petrůvka, small pond on Gáborka brook (6872d4), 49°07'01"N 17°48'56"E, 360 m a.s.l.; small pond in a forest.
14. Petrůvka, U Petrůvky NM (6872d4), 49°06'35"N 17°48'39"E, 400–470 m a.s.l.; mesic meadows, pasture, forest margins; Malaise trap (430 m a.s.l.).
15. Haluzice, Václavský potok brook (6873c2), 49°08'05"N 17°53'21"E, 470 m a.s.l.; spring.
16. Lipová (towards Haluzice), Lipovky forest (6873c2), 49°08'02"N 17°53'11"E, 490–500 m a.s.l.; beech forest, forest margins and clearings.
17. Slavičín, Lukšinka brook (6873c3), 49°06'19"N 17°52'17"E, 380 m a.s.l.; stream.
18. Nevšová, Říka (= Nevšovka) brook in the village (6873c3), 49°06'44"N 17°50'21"E, 420 m a.s.l.; brook.
19. Nevšová, Říka (= Nevšovka) brook upstreams the village (6873c3), 49°07'04"N 17°50'06"E, 440 m a.s.l.; brook.
20. Nevšová, swimming pool on Říka (= Nevšovka) brook upstreams the village (6873c3); 49°07'00"N 17°50'08"E, 430 m a.s.l.; abandoned concrete swimming pool.
21. Vlachovice, Sviborka brook 500 m upstreams the confluence with Vlára river (6873d1), 49°08'13"N 17°55'57"E, 350 m a.s.l.; brook.
22. Vrbětice, Václavský potok brook (6873d3), 49°06'17"N 17°56'12"E, 340 m a.s.l.; stream.
23. Brumov-Bylnice, Bylnice, Hložecké údolí valley (6873d4), 49°06'39"N 17°58'47"E, 450–600 m a.s.l.; fir forest.

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24. Valašské Klobouky, Suchý vrch hill (6874a3), 49°08'95"N 18°01'05"E, 480–490 m a.s.l.; spring fen.
25. Valašské Klobouky, Suchý vrch hill, at transformer station (6874a3), 49°09'18"N 18°00'47"E, 480 m a.s.l.; patch of ruderal vegetation around the transformer station in field of *Trifolium pratense*.
26. Poteč, right-side tributary of Brumovka brook (6874a4), ["brook under the pond at the village"], 49°09'45"N 18°02'31"E, 420 m a.s.l.; brook.
27. Poteč, small pond 1.2 km N of the village (6874a4), 49°09'50"N 18°02'28"E, 430 m a.s.l.; pond and surrounding vegetation.
28. Valašské Klobouky, Brumovka (= Kloboucký potok) brook valley, along railway above the village (6874c1), 49°07'56"N 18°00'54"E, 400 m a.s.l.; forest margin.
29. Valašské Klobouky, Brumovka (= Kloboucký potok) brook valley – SW slopes of Královec hill 1.5 km SSE from town centre (6874c1), ["meadows above the railway"], 49°07'47"N 18°01'03"E, 400–480 m a.s.l.; meadows, spring fens, forest margins.
30. Valašské Klobouky, Brumovská street (6874c1), ["meadow under the railway"], 49°08'06"N 18°00'50"E, 380–400 m a.s.l.; mesic meadows and shrubs.
31. Valašské Klobouky, Dobšená NM (6874c1), 49°07'55"N 18°02'04"E, 525–580 m a.s.l.; mesic meadows, spring fen.
32. 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.
33. Valašské Klobouky, Královec hill, between Javorůvky NR, Dobšená NM and Královec lookout tower (6874c1), 49°07'59"N 18°02'01"E, 560–600 m a.s.l.; spruce monoculture, forest glades, vegetation along forest paths.
34. Valašské Klobouky, Na Nivách – 1.3 km SWW from the top of the Královec hill (6874c1), ["Hájkovo prameniště spring fen"], 49°07'48"N 18°01'25"E, 555 m a.s.l.; spring fen, meadows, shrubs and trees, forest road vegetation.
35. Valašské Klobouky, NW slope of Královec hill, between U Rybníků and Javorůvky NR (6874c1), ["along the path from ponds above the railway station towards Javorůvky NR"], 49°08'08"N 18°01'33"E, 450–540 m a.s.l.; spruce forest undergrowth.
36. Valašské Klobouky, Rybník, small church at the road to Poteč (6874c1), 49°08'55"N 18°01'21"E, 400 m a.s.l.; under *Tilia*.
37. Valašské Klobouky, town, Brumovská street, building of ZO ČSOP Kosenka (6874c1), 49°08'18"N 18°00'30"E, 390 m a.s.l.; inside of the building.
38. Valašské Klobouky, U Rybníků – valley of an unnamed brook on NW slopes of Královec hill (6874c1), ["small ponds above railway station"], 49°08'15"N 18°01'16"E, 430–450 m a.s.l.; small ponds with shore vegetation, alder carr.
39. Valašské Klobouky, between Na Nivách and valley of the left-side tributary of Brumovka brook (6874c1/c3), ["along road from Hájkovo prameniště spring fen towards Bílé potoky NR"], 49°07'34"N 18°01'16"E, 390–550 m a.s.l.; vegetation along forest path.
40. Nedašova Lhota, Nedašovka brook valley under Černá hora hill (6874c2), 49°07'33"N 18°02'56"E, 500 m a.s.l.; roadside and streamside vegetation.
41. Nedašova Lhota, Nedašovka brook valley under SW slope of Požár hill (6874c2), 49°08'13"N 18°04'45"E, 550 m a.s.l.; brook.
42. 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, solitary trees (e.g. *Betula*, *Abies alba*, *Juniperus communis*).
43. Valašské Klobouky, Královec – Ploščiny ridge between Na Královci cottage and Ploščiny NR (6874c2), 49°08'15"N 18°03'13"E, 430–480 m a.s.l.; roadside vegetation, mesic meadows, forest margins.
44. Brumov (part of Brumov-Bylnice), Uhličky (6874c3), ["Kloboucká, mowed meadow at the railway tunnel"], 49°06'16"N 18°01'57"E, 390–400 m a.s.l.; mesic meadows.
45. Návojná, Vrchy hill (6874c3), 49°07'03"N 18°02'13"E, 550–600 m a.s.l.; spruce forest undergrowth, glades.

46. Valašské Klobouky, Bílé potoky NR, brooklet ravine (6874c3), 49°06'55"N 18°01'38"E, 350–500 m a.s.l.; spring fens, brooklet, mesic to wet meadows and pastures, forest margins, forest undergrowth.
47. Valašské Klobouky, Bílé potoky NR, forest (6874c3), 49°07'03"N 18°01'37"E, 380–500 m a.s.l.; roadside vegetation, forest undergrowth.
48. Valašské Klobouky, Bílé potoky NR, meadow (6874c3), 49°07'07"N 18°01'27"E, 350–410 m a.s.l.; mesic meadows and pastures, spring fens, forest margins.
49. Valašské Klobouky, Brumovka (= Kloboucký potok) brook under Bílé potoky NR (6874c3), 49°06'56"N 18°01'22"E, 370 m a.s.l.; brook.
50. Valašské Klobouky, valley of left-side tributary of Brumovka brook SW of Královec hill (6874c3), ["valley of small brook W of the Bílé potoky NR"], 49°07'18"N 18°01'21"E, 380–390 m a.s.l.; brook valley.
51. Nedašov, village (6874c4), 49°06'33"N 18°04'04"E, 410–430 m a.s.l.; ruderal vegetation along brook under the church, trees and shrubs around church, vegetation along the road towards Nedašova Lhota.
52. Nedašov, along road from Nedašov to Jalovcová stráň NR (6874d3), 49°06'07"N 18°05'21"E, 450–600 m a.s.l.; roadside vegetation.
53. Nedašov, Hrušová dolina valley (6874d3), ["pastures between Kaňoury NM and Jalovcová stráň NR"], 49°06'33"N 18°06'20"E, 610–680 m a.s.l.; meadows, pastures, meadow spring fens.
54. 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, large population of *Juniperus communis*.
55. 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.
56. Nedašov, Kaňúr hill (6874d3), 49°06'23"N 18°06'35"E, 700–750 m a.s.l.; meadows.
57. Nedašov, Lapač, Hrušovka brook under Kaňoury NM (6874d3), 49°06'40"N 18°06'04"E, 550 m a.s.l.; stream.
58. Nedašov, Lapač, margin of small wood near Kaňoury NM (6874d3), 49°06'46"N 18°06'07", 570–590 m a.s.l.; forest margin.
59. Nedašov, meadow E of Jalovcová stráň NR (6874d3), 49°06'08"N 18°06'14", 620–650 m a.s.l.; dry meadow.
60. Nedašova Lhota, environs (6874d3), 49°07'N 18°06'E, 410–590 m a.s.l.; details on precise location and habitat unavailable.
61. Nedašova Lhota, S slope of Maleník hill (6874d3), 49°07'27"N 18°04'59"E, 420–450 m a.s.l.; wet part of S oriented sheep pasture with *Alnus* and *Equisetum telmateia*.
62. Luhačovice, Luhačovická dolina valley (6972a2), 49°05'18"N 17°44'26"E, 230–300 m a.s.l., forest margin, flower-rich meadow on slope.
63. Luhačovice, Serenyi palace (6972a2), 49°05'47.09"N 17°44'51.47"E, 260 m a.s.l.; palace loft.
64. Petrůvka, Kladenka brook valley (6972b2), 49°05'50"N 17°48'53"E, 390 m a.s.l.; alder carr; Malaise trap.
65. Bojkovice (6972d1/d2), 270–350 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
66. Bojkovice, railway station (6972d2), 49°02'09"N 17°47'47"E, 300 m a.s.l.; under *Tilia* sp.
67. Bojkovice, Koménka brook (6972d4), 49°01'11"N 17°48'03"E, 300 m a.s.l.; stream.
68. Bojkovice, small pond on right-side tributary of Koménka brook (6972d4), 49°01'10"N 17°48'04"E, 300 m a.s.l.; small pond.
69. Slavičín, 200 m W of village (6973a1), 49°05'24"N 17°51'55"E, 370–390 m a.s.l.; ruderal roadside vegetation, balks.
70. Hostětín, 1 km NE of village (6973a4), ["Valašské Klobouky, Hostětín"], 49°03'21"N 17°53'28"E, 450 m a.s.l.; grassy undergrowth of deciduous forest with pools.
71. Štítná nad Vláří, Popov, Havránkův potok brook valley (6973b2), 49°05'29"N 17°57'50"E, 360–400 m a.s.l.; forest margins, meadows, forest clearings, streamside vegetation.
72. Pitín (6973c1), 320–380 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
73. Pitín, Olšava rivulet (6973c1), 49°01'41"N 17°52'32"E, 390 m a.s.l.; stream.



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74. Štítná nad Vláří, south-exposed slopes N of the village (6973c2), 49°04'35"N 17°58'58"E, 320–380 m a.s.l.; xerothermic species-rich vegetation on slopes, mixed with young orchards and a pine stand.
75. Pitín, Vlčí potok valley (6973c4), 49°00'55"N 17°53'04"E, 470 m a.s.l.; deciduous forest.
76. Brumov (part of Brumov-Bylnice), Kloboucká street (6974a1), ["Kloboucká, sheep pasture"], 49°05'54"N 18°01'47"E, 350–400 m a.s.l.; dry to mesic sheep pastures, fruit trees.
77. Bylnice (part of Brumov-Bylnice), Na Stráži (6974a1), 49°04'40"N 18°00'30"E, 350–390 m a.s.l.; dry grassland, shrubs.
78. Bylnice (part of Brumov-Bylnice) (6974a1/a3), 300–350 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
79. Brumov (part of Brumov-Bylnice), W slope of Holý vrch hill and Tarandové hill 2.5 km SE of church (6974a2/a4), ["Brumov, Holý vrch, Na Tatrách"], 49°05'04"N 18°04'12"E, 600–750 m a.s.l.; meadows, spring fens.
80. Bylnice (part of Brumov-Bylnice), Bylničky, S slopes of Tarandové hill towards Bylnička brook (6974a2/b1), ["Bylnice, Bylnický potok, Na Tatrách"], 49°04'33"N 18°02'10"E, 360–530 m a.s.l.; streamside vegetation, pastures, dry to mesic meadows, birch stands.
81. Bylnice (part of Brumov-Bylnice), from Vlára river towards Lazy NR (6974a3), 49°03'53"N 18°00'45"E, 300–350 m a.s.l.; roadside vegetation, mesic meadows, forest margin.
82. Bylnice (part of Brumov-Bylnice), Lazy NR and environs (6974a3), 49°03'33"N 18°00'34"E, 380–425 m a.s.l.; mesic to wet meadows, spring fens, forest margins.
83. Bylnice (part of Brumov-Bylnice), railway station environs (6974a3), 49°04'05"N 18°00'53"E, 300 m a.s.l.; ruderal and riverside vegetation.
84. Bylnice (part of Brumov-Bylnice), small pond at a cottage below Lazy NR (6974a3), 350–400 m a.s.l.; pond.
85. Bylnice (part of Brumov-Bylnice), Vlára river at ford near the Bylnice railway station (6974a3), 49°03'57"N 18°00'55"E, 300 m a.s.l.; river.
86. Svätý Štěpán, 0.5 km N of village, left bank of Vlára river, pools at railway (6974a3), 49°03'02"N 18°01'52"E, 300 m a.s.l.; pools, probably old gravel-pit.
87. Sidonie, Sidonie NR (6974a4), 49°03'04"N 18°04'17"E, 390–480 m a.s.l.; montane beech forest; Malaise trap (450 m a.s.l.).
88. Sidonie environs (6974a4/b3/c2/d1), 49°03'N 18°05'E, 355–470 m a.s.l.; forests.
89. Nedašov, Na Kopanicách, brook (6974b1) ["brook under Jalovcová stráň NR"], 49°05'75"N 18°05'36", 450–490 m a.s.l.; stream and streamside vegetation.
90. Nedašov, Na Kopanicách, meadow (6974b1), ["meadow under Jalovcová stráň NR"], 49°05'49"N 18°05'34", 500–580 m a.s.l.; dry meadow.
91. 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.
92. 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.
93. Svätý Štěpán, Chladný vrch NM (6974c1), 49°01'34"N 18°00'32"E, 595 m a.s.l.; forest spring area, montane beech forest; Malaise trap.
94. Svätý Štěpán, Nadřičí (6974c1), ["first right-side tributary of Vlára river downstreams the village"], 49°02'29"N 18°02'14"E, 300–330 m a.s.l.; broad-leaved forest, vegetation along forest brook, river shore.
95. Svätý Štěpán, Vlára river downstreams the village (6974c1), 49°02'35"N 18°02'11"E, 300 m a.s.l.; river and puddles on its shore.
96. Svätý Štěpán, Vlárský průsmyk pass, Vlára river (6974c1/c2), 49°02'27"N 18°02'20"E, 285 m a.s.l.; river.
97. Svätý Štěpán, Okrouhlá NM (6974c2), 49°02'49"N 18°03'29"E, 580–655 m a.s.l.; old deciduous, predominantly beech forest with scattered *Tilia*, *Ulmus* and *Quercus*.
98. Svätý Štěpán, below quarry downhill of Okrouhlá NM (6974c2), 49°02'19"N 18°03'17"E, 360–400 m a.s.l.; beech forest with scattered oak, hornbeam and old fir trees.
99. Lipov, church (7070d4), 48°54'19.69"N 17°27'42.15"E, 230 m a.s.l.; church belfry.
100. Lipov, Pešunk, slopes around railway viaduct (7070d4), 48°54'40"N 17°28'17"E, 240–280 m a.s.l.; wet meadow, xerothermic pasture with solitary trees and hedges.

101. Hluk, Kobyly hlava NM (7071a3), 48°57'22"N 17°31'31"E, 330–340 m a.s.l.; dry grassland, forest glade, forest margins.
102. Hluk, Babí hora NM (7071a4), 48°57'23"N 17°33'47"E, 320–330 m a.s.l.; fragment of dry grassland, shrubs.
103. Slavkov, village (7071b3), 48°57'07"N 17°36'35"E, 300 m a.s.l.; ornamental vegetation.
104. Blatnička, Milejovské louky meadows (7071c1), 48°56'45"N 17°30'44"E, 270–295 m a.s.l.; dry meadows, reed.
105. Boršice u Blatnice, Boršický potok brook valley (7071c2), ["směr Hluk"], 48°56'46"N 17°34'04"E, 260–280 m a.s.l.; ruderal and streamside vegetation, dry grassland, forest undergrowth.
106. Louka, Hloží NR (7071c3), 48°54'39"N 17°30'26"E, 270–300 m a.s.l.; dry grassland, shrubs.
107. Suchov (7071c4), 350–440 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
108. Horní Němčí, Hornoněmčanský háj forest (7071d1), ["Horní Němčí, *Carici pilosae-Carpinetum*"], 48°55'02"N 17°37'43"E, 380–400 m a.s.l.; oak-hornbeam forest.
109. Horní Němčí, village (7071d1), 48°55'42"N 17°37'40"E, 330–350 m a.s.l.; ruderal and ornamental vegetation.
110. Horní Němčí (7071d1/d2), 320–350 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
111. Horní Němčí, reservoir in village (7071d2), 48°55'39"N 17°37'40"E, 345 m a.s.l.; reservoir and surrounding vegetation.
112. Horní Němčí, right-side tributary of Okluky brook in village (7071d2), 48°55'38"N 17°37'46"E, 350 m a.s.l.; stream.
113. Korytná, Březí (7071d2), 48°55'32"N 17°39'48"E, 400–450 m a.s.l.; pasture, solitary trees and shrubs, forest margins.
114. Horní Němčí, between village and Drahy NR (7071d2/d4), 48°55'31"N 17°38'01"E, 350–430 m a.s.l.; roadside vegetation.
115. Korytná (7071d2–7072c1), 300–400 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
116. 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.
117. 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.
118. Horní Němčí, Drahy NR environs (7071d4), ["Horní Němčí, Hornoněmčanský háj"], 48°55'13"N 17°38'46"E, 400–520 m a.s.l.; species-rich meadows, spring fens, hedges with shrubs, forest margins, tall herb vegetation.
119. Horní Němčí, Horní kopec hill, along road to Strání (7071d4), 48°55'15"N 17°39'00"E, 470–590 m a.s.l.; roadside vegetation, forest margin.
120. Horní Němčí, Uvezené NM (7071d4), 48°54'38"N 17°39'00"E, 490–570 m a.s.l.; deciduous oak-hornbeam forest (*Carici pilosae-Carpinetum*).
121. Horní Němčí, Vinohrádky (7071d4), ["pasture above Drahy NR"], 48°55'19"N 17°38'35"E, 430–500 m a.s.l.; intensively used cattle pasture.
122. Slavkov, Kazivec brook valley, former Kolo NM (7071d4), 48°54'07"N 17°37'17"E, 490–500 m a.s.l.; brook, wet meadows.
123. 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 and clearings.
124. Slavkov, forest below Dolnoněmčanské louky NR (7071d4–7171b2), 48°54'00"N 17°37'43"E, 500–550 m a.s.l.; forest path and clearing.
125. Bánov, Skalky hill (7072a2), 48°58'52"N 17°44'34"E, 350–380 m a.s.l.; ruderal vegetation, fields, dry grassland, shrubs.
126. Komňa, church (7072b2), 48°59'45.87"N 17°47'55.35"E, 350 m a.s.l.; church loft.
127. Komňa environs (7072b2), 350–400 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
128. Komňa, Lom Rasová NM (7072b2), 48°58'34"N 17°48'42"E, 540–570 m a.s.l.; abandoned sandstone quarry with pool, dry grassland, spring fen, solitary trees and shrubs.

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129. Komňa, Nový Dvůr (7072b2), 48°58'43"N 17°48'15"E, 480–500 m a.s.l.; forest margins, meadow, roadside vegetation.
130. Komňa, Nový Dvůr, forests around Lom Rasová NM (7072b2), 48°58'33"N 17°48'50"E, 550 m a.s.l.; undergrowth of spruce forest.
131. Lopeník, Nivnička brook (7072b3), 48°57'17"N 17°46'48"E, 570 m a.s.l.; spring and stream.
132. Starý Hrozenkov, Bartoňové, valley of a left-side tributary of Krátkovský potok brook 1.5 km NE of the Mikulčín vrch Mt. (7072b4), 48°57'18" 17°49'18"E, 500 m a.s.l.; forest.
133. 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.
134. Korytná, Lubná pond (7072c1), 48°56'48"N 17°40'51"E, 320 m a.s.l.; pond, shore vegetation.
135. Korytná, village (7072c1), 48°56'27"N 17°39'54"E, 290–300 m a.s.l.; ornamental gardens.
136. Březová, Cestiska NM (7072c2), 48°55'44"N 17°43'49"E, 480–510 m a.s.l.; xerothermic species-rich grassland on a slope with trees and shrubs (e.g. *Juniperus communis*, *Pinus sylvestris*).
137. Březová, Kalábová NM (7072c2), 48°56'22"N 17°44'38"E, 500–550 m a.s.l.; spring fen with tufa formation.
138. Březová, spring fen 600 m SE of Studený vrch hill (7072c2), 48°56'13.7"N 17°44'15.6", 535 m a.s.l., meadow spring fen.
139. Korytná, left-side tributary of Hradecký járek brook 1.2 km SW of Studený vrch hilltop (7072c2), 48°56'12"N 17°43'04"E, 520 m a.s.l.; forest.
140. Korytná, valley N of Nové louky NM (7072c3), 48°55'22"N 17°40'31"E, 500 m a.s.l.; forest.
141. Strání, Hrnčárky NM (7072c3), 48°54'35"N 17°40'40"E, 450–480 m a.s.l.; spring fen, mesic meadow.
142. Strání, Klanečnice brook valley above Žabka reservoir (7072c3); 48°54'17"N 17°40'13"E, 450–500 m a.s.l.; stream, streamside and roadside vegetation, deciduous forest undergrowth.
143. Strání, Klanečnice brook valley between village and Žabka reservoir (7072c3), 48°54'33"N 17°41'12"E, 410–440 m a.s.l.; roadside and streamside vegetation, field margins.
144. Strání, Obecnice hill (7072c3), 48°54'51"N 17°40'55"E, 530–550 m a.s.l.; dry, intensively used sheep pasture at transmission tower.
145. Strání, Obecnice hill, S slope along the road Slavkov – Strání (7072c3), 48°54'41"N 17°40'25"E, 520–550 m a.s.l.; roadside vegetation.
146. Strání, Obecnice hill, S slope between the road Slavkov – Strání and Klanečnice brook (7072c3), 48°54'40"N 17°40'35"E, 430–510 m a.s.l.; xerothermic grassland and shrub vegetation.
147. Strání, village (7072c3), 48°54'15"N 17°42'28"E, 400–420 m a.s.l.; ornamental vegetation, brook.
148. Strání, Žabka reservoir (7072c3), 48°54'24"N 17°40'25"E, 440–450 m a.s.l.; reservoir, muddy shore, disturbed wetland vegetation on reservoir shores.
149. Strání (7072c3/c4–7172a1/a2), 360–450 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
150. Strání, Důbrava hill (7072c4), 48°55'05"N 17°43'29"E, 540–550 m a.s.l., beech forest glade.
151. Březová, NE slope of Nová hora hill, between Janáčkův pramen spring and the top (7072c4–7172a2), 48°53'57.9"N 17°44'25.4"E, 430–550 m a.s.l.; forest margin, slope spring areas.
152. Lopeník (7072d1), 450–700 m a.s.l.; environs of the village.
153. Lopeník, Mechnáč, along road to Bystřice pod Lopeníkem (7072d1), 48°56'58"N 17°46'59"E, 570 m a.s.l.; roadside vegetation.
154. Lopeník, Od Březovska (7072d1), ["Lopeník, Březovská cottage"], 48°56'22"N 17°45'32"E, 490 m a.s.l., at light.
155. 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.
156. Lopeník, Hrubár brook valley (7072d2), ["Lopenické sedlo saddle, valley of small brook flowing towards Lopeník", "valley of small brook below Hrubý Mechnáč", "puddles on road against Hrubý Mechnáč"], 48°56'28"N 17°47'50"E, 620–670 m a.s.l.; brook and surrounding trees.

157. Lopeník, Hrubý Mechnáč (7072d2), 48°56'25"N 17°47'49"E, 645 m; spring fen with tufa formation.
158. Lopeník, Lopenické Bošačky (7072d2), ["Lopeník – Bošačky"], 48°55'37"N 17°48'20"E, 500–600 m a.s.l.; disused pasture with *Juniperus communis* and *Betula pendula*.
159. Lopeník, Lopenické sedlo saddle (7072d2), 48°56'13"N 17°48'04"E, 700–720 m a.s.l.; cattle pasture, spring fen, solitary trees and shrubs.
160. Lopeník, Mikulčin vrch hill (7072d2), 48°56'40"N 17°48'26"E, 700–790 m a.s.l.; beech forest, spruce monoculture, forest margins and forest glade.
161. Vyškovec, Vyškovecké Bošačky, W slope of Kykula hill (7072d2), 48°55'39"N 17°49'41"E, 500–550 m a.s.l.; disused pasture.
162. Březová, Velký Lopeník Mt., 100 m NNW the top (7072d3), 48°55'10"N 17°46'50.6"E; 870 m a.s.l.; old pasture beech forest.
163. Žitková (7073a1/a2/a4), 400–600 m a.s.l.; environs of the village.
164. Žitková, Hutě NR (7073a2), 48°59'24"N 17°54'21"E, 460 m a.s.l.; meadow spring area, mesic *Arrhenatherum* meadow; Malaise trap.
165. Žitková, Skaliči (7073a2), 48°59'26"N 17°52'51"E, 530–600 m a.s.l.; beech forest with admixture of other deciduous trees and big boulders covered with mosses.
166. Žitková, village (7073a2), 48°58'51"N 17°52'53"E, 570–600 m a.s.l.; roadside vegetation.
167. Starý Hrozenkov, Hrozenkovské terasy (7073a3), 48°58'15"N 17°51'51"E, 470–550 m a.s.l.; old apple orchard grazed by cattle, shrubs, disturbed spring fens.
168. Starý Hrozenkov, Lozky (1.5 km NW village) (7073a3), 48°58'30"N 17°50'45"E, 420 m a.s.l.; meadow slope spring area, small brook, pastures.
169. 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.
170. Vápenice, V Krátkých (7073a3), 48°58'09"N 17°50'16"E, 400–450 m a.s.l.; village, roadside vegetation and trees, meadows, field margins.
171. Vápenice, V Krátkých, confluence of Krátkovský potok brook and Trstná brook (7073a3), 48°58'03"N 17°50'13"E, 420 m a.s.l.; streamside vegetation.
172. Starý Hrozenkov, village (7073a3), 48°58'02"N 17°51'43"E, 380 m a.s.l.; roadside vegetation.
173. Starý Hrozenkov (7073a3/a4), 370–440 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
174. Vyškovec, E slope of Vyškovec hill (7073c1), 48°56'36"N 17°50'32"E, 550–600 m a.s.l.; meadow with spring fen and hypocrenon.
175. Vyškovec, Hřibovňa hill, along road to Vyškovecké Bošačky (7073c1), 48°55'56"N 17°50'17"E, 600–650 m a.s.l.; beech forest undergrowth.
176. 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.
177. 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.
178. Vyškovec, Vyškovec Mt. (7073c1), 48°56'43"N 17°50'01"E, 700–760 m a.s.l.; roadside vegetation.
179. Vyškovec, Vyškovecké Bošačky (7073c1), ["U Kafků"], 48°55'52"N 17°49'55"E, 550 m a.s.l.; dry cattle pasture.
180. Vyškovec, Vyškovecké Bošačky (7073c1), ["U Kafků"], 48°55'52"N 17°49'55"E, 550 m a.s.l.; mesic meadows, orchard.
181. Lopeník, Velký Lopeník Mt. (7073d3), 48°55'21"N 17°46'57"E, 860 m a.s.l.; forest margins along road on the ridge.
182. Petrov (7169b1), ["Pavlov u Radějova"], 190 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
183. Petrov, small reservoir on Radějovka brook at railway station (7169b1), 48°52'47"N 17°16'33"E, 175 m a.s.l.; reservoir.
184. Petrov, village (7169b1), 48°52'53"N 17°16'35"E, 175 m a.s.l.; ornamental vegetation.
185. Petrov, Chorvátky, along Radějovka brook and field road towards Staré hory hill (7169b1/b3), 48°52'26"N 17°16'55"E, 175–210 m a.s.l.; streamside and roadside ruderal vegetation.

True bugs (Hemiptera: Heteroptera)

186. Petrov, Staré hory hill (7169b3), 48°51'41"N 17°17'56"E, 220–260 m a.s.l.; vineyards, field margins.
187. Sudoměřice, Sudoměřický potok brook W of Staré hory hill (7169b3), 48°51'41"N 17°16'38"E, 210 m a.s.l.; streamside vegetation.
188. 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; Malaise trap (48°51'44"N 17°19'42"E, 304 m a.s.l.).
189. Radějov, Holý vrch hill (7169b4/d2–7170a3/c1), 48°51'02"N 17°20'00"E, 330–380 m a.s.l.; meadows, tree nursery, forest and forest margins.
190. Radějov, Mlýnky reservoir (7169d2), 48°50'35"N 17°18'31"E, 250 m a.s.l.; reservoir.
191. Sudoměřice, Mlýnky, Sudoměřický potok brook (7169d2), 48°50'40"N 17°19'33"E, 270 m a.s.l.; brook.
192. Kněždub, village (7170a2), 48°53'14"N 17°23'57"E, 185 m a.s.l.; under *Tilia* sp.
193. Radějov (7170a3), 230–250 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
194. Radějov, village (7170a3), 48°51'43"N 17°20'25"E; 230 m a.s.l.; ornamental vegetation, mostly in church garden.
195. Radějov, Dolní Mlýn (7170a3/c1), ["cottage colony under Veselka hill"], 48°51'05"N 17°21'35"E, 260–300 m a.s.l.; cottage colony, roadside vegetation, artificial reservoir (swimming pool).
196. Kněždub, Kejda pond (7170a4), 48°52'04"N 17°24'31"E, 320 m a.s.l.; pond with muddy banks, surrounding vegetation.
197. Kněždub, Kněždubský háj forest (7170a4), ["Šumárník hill"], 48°52'11"N 17°24'29"E, 270–350 m a.s.l.; oak and hornbeam forest, xerothermic forest margins.
198. Kněždub, Radějovka brook valley below Čertoryje NNR between Kejda pond and Lučina reservoir (7170a4), 48°51'57"N 17°24'16"E, 300–350 m a.s.l.; roadside and ornamental vegetation and trees (e.g. *Pinus sylvestris*, *Picea abies*, *Larix decidua*, *Fraxinus*, *Populus*) in a cottage colony.
199. Tvarožná Lhota, Horní Mlýn, Lučina reservoir (7170a4), 48°51'46"N 17°23'45"E, 300 m a.s.l.; reservoir (especially its inflow section, changed in 2004 to a separate pool), shrubs and trees, alder carr nitrophilous vegetation along brook and reservoir, meadow.
200. Tvarožná Lhota, Járkovec brook (7170a4), 48°51'41"N 17°23'52"E, 300 m a.s.l.; stream.
201. Tvarožná Lhota, Járkovec brook valley below Čertoryje NNR (7170a4), 48°51'32"N 17°24'10"E, 310–330 m a.s.l.; mesic meadow, sheep pasture, forest margin, roadside vegetation.
202. Kněždub, Čertoryje NNR (7170a4/b3/c2/d1), 48°51'18"N 17°24'44"E, 320–443 m a.s.l.; dry to wet meadows, spring fens, solitary trees and shrubs, forest margins.
203. Hrubá Vrbka, Rošt'ovica reservoir (7170b2), 48°53'14"N 17°27'56"E, 240 m a.s.l.; reservoir.
204. Kněždub, Čertoryje NNR, Radějovka brook (7170b3), 48°51'38"N 17°25'43"E, 350–360 m a.s.l.; stream and adjacent pool; Malaise trap (48°51'31"N 17°25'50"E, 360 m a.s.l.).
205. Malá Vrbka, between village and Výzkum hill (7170b3), 48°52'07"N 17°26'58"E, 280–430 m a.s.l.; thermophilous roadside vegetation, solitary trees and shrubs.
206. Malá Vrbka, village (7170b3), 48°52'09"N 17°27'33"E, 280 m a.s.l.; ornamental vegetation.
207. Malá Vrbka, Vojšické louky meadows (7170b3), 48°51'38"N 17°26'03"E, 360–420 m a.s.l.; mesic to dry meadows.
208. Malá Vrbka, Výzkum hill (7170b3), 48°52'03"N 17°26'27"E, 350–430 m a.s.l., restored grassland (former arable land resown with a regional species-rich seed mixture, see JONGEPIEROVÁ *et al.* 2008).
209. Malá Vrbka, Výzkum hill, 200 m NW of the top (7170b3), 48°52'12"N 17°26'09"E, 430 m a.s.l.; deciduous forest.
210. Malá Vrbka, Výzkum hill, 300–400 m E of the top (7170b3), 48°52'06"N 17°26'33"E, 380–420 m a.s.l.; thermophilous deciduous forest, forest undergrowth and forest margin with shrubs.
211. Hrubá Vrbka, football ground (7170b4), 48°52'07"N 17°28'08"E, 260 m a.s.l.; ruderal vegetation, *Populus* trees.
212. Hrubá Vrbka, village (7170b4), 48°52'19"N 17°28'41"E, 250–260 m a.s.l.; on walls of buildings, roadside vegetation, pile of logs.

213. Kuželov, right-side spring brook of Malanský potok brook (7170b4), 48°51'22"N 17°28'18"E, 330 m a.s.l.; streamside vegetation.
214. Radějov, Pusté deergame enclosure, Měsíční údolí valley (= Mandát brook valley) (7170c1) [partly as "Radějov, Kouty, Setý háj" and "Pusté deergame enclosure, along the road from Radějov"], 48°50'28"N 17°20'54"E, 280–370 m a.s.l.; oak-hornbeam forest, forest margins, roadside and streamside vegetation, alder carr, xerothermic pasture and meadow.
215. Radějov, Veselka hill (7170c1/c2), 48°50'31"N 17°22'38"E, 300–495 m a.s.l.; oak and hornbeam forest.
216. Radějov, Pusté deergame enclosure, small pond on left-side tributary of Mandát brook below Větrová hill (7170c1/c3), 48°49'36"N 17°21'58"E, 350–400 m a.s.l.; small pond.
217. Radějov, Pusté deergame enclosure, Kútky NR (7170c2), 48°49'58"N 17°23'13"E, 350–480 m a.s.l.; mesic meadows grazed by fallow deers, spring fens; Malaise trap (48°50'05"N 17°23'05"E, 415 m a.s.l.).
218. Radějov, Pusté deergame enclosure, Mandát brook valley below Kútky NR (7170c2), 48°49'43"N 17°22'47"E, 350 m a.s.l.; streamside vegetation, forest margin; Malaise trap.
219. Radějov, Pusté deergame enclosure, small pond on Mandát brook below Kútky NR (7170c2), 48°49'43"N 17°22'50"E; 360 m a.s.l.; small pond.
220. Velká nad Veličkou (7171a1), 290–310 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
221. Velká nad Veličkou, below Zahrady pod Hájem NNR (7171a1), 48°53'27"N 17°31'31"E, 300–330 m a.s.l.; ruderal and roadside vegetation, trees along small brook (*Salix* spp., *Populus* spp.).
222. Velká nad Veličkou, village (7171a1), 48°52'50"N 17°30'51"E, 290–310 m a.s.l.; lawns and ornamental vegetation, environs of railway station and church.
223. Velká nad Veličkou, village, old cemetery (7171a1), 48°53'22"N 17°31'28"E, 300 m a.s.l.; ornamental vegetation, lawn.
224. Velká nad Veličkou, village, Velička river above the weir (7171a1), 48°52'51"N 17°31'05"E, 290 m a.s.l.; river and riverside vegetation.
225. Velká nad Veličkou, Zahrady pod Hájem NNR (7171a1/a2), 48°52'58"N 17°31'52"E, 300–480 m a.s.l.; dry grassland, meadows, orchards, small fields, solitary trees (various deciduous trees, *Pinus sylvestris*, *Larix decidua*) and shrubs, forest margins; Malaise trap (7171a1, 48°53'04"N 17°31'59"E, 385 m a.s.l.).
226. Suchov, Suchovské Mlýny (7171a2), ["U Baladů"], 48°53'08"N 17°34'24"E, 380–400 m a.s.l.; dry sheep pasture.
227. Suchov, Suchovské Mlýny (7171a2), ["U Baladů"], 48°53'03"N 17°34'16"E, 360–380 m a.s.l.; mesic meadow, forest margin.
228. Suchov, Trnovský Mlýn (7171a2), ["Ploštiny"], 48°53'44"N 17°34'46"E, 400–440 m a.s.l.; dry sheep pasture.
229. Suchov, Trnovský Mlýn (7171a2), ["Ploštiny"], 48°53'44"N 17°34'46"E, 450 m a.s.l.; mesic meadow.
230. Suchov, Trnovský Mlýn, along road to Suchovské Mlýny (7171a2), 48°53'21"N 17°34'35"E, 370–390 m a.s.l.; roadside vegetation.
231. Velká nad Veličkou, Háj hill (7171a2), 48°53'27"N 17°32'56"E, 500–573 m a.s.l.; forest undergrowth along paths.
232. Javorník, Jazevčí NNR (7171a2/a4), 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; Malaise trap (48°52'03"N 17°33'24"E, 415 m a.s.l.).
233. Javorník, towards Suchovské Mlýny, Velička river valley between the villages (7171a2/a4), 48°52'25"N 17°33'40"E, 320–360 m a.s.l.; riverside and roadside vegetation, shrubs and trees.
234. Javorník (7171a3), 320–350 m a.s.l.; details on precise location of the collecting site and habitat unavailable.
235. 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.
236. Javorník, Nad Vápenkou NM (7171a3), 48°51'40"N 17°31'19"E, 360 m a.s.l.; dry grassland, shrubs.

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237. Javorník, railway station (7171a3), 48°51'37"N 17°31'13"E, 365 m a.s.l.; xerothermic vegetation on railway embankment slopes, drainage ditches.
238. Javorník, SW slopes of Háj hill (7171a3), ["Javorník, kóta 398 m a.s.l."], 48°52'06"N 17°32'10"E, 260–300 m a.s.l.; dry grassland, meadows.
239. Javorník, village (7171a3), 48°51'51"N 17°31'55"E, 310–320 m a.s.l.; streamside, ruderal and ornamental vegetation.
240. Velká nad Veličkou, towards Javorník (7171a3), 48°52'22"N 17°31'58"E, 330–390 m a.s.l.; meadows.
241. Javorník, Jazevčí NNR, left-side tributary of Velička river (7171a4), 48°52'12"N 17°33'55"E, 360 m a.s.l.; brook, forest margin; Malaise trap.
242. Javorník, Petruchovy Mlýny (7171a4), ["Molvý"], 48°52'00"N 17°33'07"E, 370 m a.s.l.; cattle pasture.
243. Javorník, Petruchovy Mlýny (7171a4), ["Molvý"], 48°52'00"N 17°33'07"E, 370 m a.s.l.; dry to mesic meadows.
244. Javorník, Petruchovy Mlýny (7171a4), 48°52'11"N 17°32'50"E, 330 m a.s.l.; sawmill (pile of logs).
245. Nová Lhota, Fojtické Mlýny (7171b1), ["Nová Lhota, Fojtičky mill"], 48°52'44"N 17°36'32"E, 440–480 m a.s.l.; dry meadows, streamside vegetation.
246. Nová Lhota, Hryzlácké Mlýny, valley of right-side tributary of Velička river (7171b1), 48°53'10"N 17°36'08"E, 450 m a.s.l.; mesic herbaceous fringe, mesic *Arrhenatherum* meadow; Malaise trap.
247. Nová Lhota, Vápenky, Porážky NNR (7171b1/b2), 48°53'08"N 17°37'24"E, 550–640 m a.s.l.; meadows, forest margins.
248. Nová Lhota, Vápenky (7171b1/b2/b3/b4), 470 m a.s.l.; details on the precise location of the collecting site and habitat unknown.
249. Nová Lhota, Podširocké Mlýny (7171b1/b3), 48°52'32"N 17°36'40"E, 420–430 m a.s.l.; details on the precise location of the collecting site and habitat unknown.
250. Slavkov, Dolnoněmčanské louky NR (7171b2), 48°53'52"N 17°38'01"E, 520–650 m a.s.l.; meadows.
251. Nová Lhota, Vápenky, village (7171b2/b4), 48°52'31"N 17°38'05"E, 460–470 m a.s.l.; roadside vegetation.
252. Nová Lhota, Vápenky, left-side tributary of Velička river (7171b3), 48°52'16"N 17°36'58"E, 435 m a.s.l.; alluvium with shrubs; Malaise trap.
253. Nová Lhota, Vápenky, Velička brook valley towards Velká Javořina Mt, below Hubertova bouda hut (7171b4), 48°52'04"N 17°38'43"E, 470–550 m a.s.l.; streamside vegetation, beech forest.
254. Nová Lhota, Vápenky, Velička brook valley towards Velká Javořina Mt, above Hubertova bouda hut (7171b4–7172a3), 48°51'41"N 17°40'00"E, 550–830 m a.s.l.; streamside vegetation, beech forest.
255. Nová Lhota, Vápenky / Stráni, Mt. Velká Javořina (7171b4–7172a3), 470–970 m a.s.l.; details on the precise location of the collecting site and habitat unknown.
256. Javorník, Machová NR, Rybnický potok brook N of Machová hill (7171c1), 48°49'59"N 17°32'05"E, 400 m a.s.l.; alluvium; Malaise trap.
257. Javorník, Machová NR, Rybnický potok brook NW of Machová hill (7171c1), 48°50'04"N 17°31'29"E, 370 m a.s.l.; brook.
258. Javorník, Výzkum hill – W and SW slopes (7171c1), 48°50'15"N 17°32'04"E, 460–500 m a.s.l.; meadows, shrubs.
259. Javorník, Machová NR (7171c1/c2/c3), 48°49'47"N 17°31'56"E, 380–575 m a.s.l.; meadows, spring fens, solitary trees and shrubs, forest margins; Malaise trap (2007 – 7171c3, 48°49'21"N 17°31'20"E, 445 m a.s.l., meadow, forest margin; 2010 – 7171c1, 48°49'37"N 17°31'41"E, 460 m a.s.l., meadow).
260. Javorník, Machová NR, Rybnický potok brook E of Machová hill (7171c2), 48°49'41"N 17°32'32"E, 425 m a.s.l.; alluvium of forest brook, marshes; Malaise trap.
261. Javorník, Filipovské údolí valley (7171c2), ["Filipov. Dol."], 48°50'33"N 17°34'11"E, 370–470 m a.s.l.; probably on Hrubý potok brook.

262. Javorník, towards Vrbovce, Teplica brook at border between the Czech Republic and Slovakia (7171c3), 48°49'11.5"N 17°30'38.7"E, 345 m a.s.l.; brook.
263. Strání, above Záhumenice NM (7172a1), 48°53'40"N 17°40'42"E, 530–550 m a.s.l.; meadow.
264. Strání, Mechnáčky NM (7172a1), 48°52'58"N 17°42'16"E, 480–510 m a.s.l.; spring fen with small pools.
265. Strání, Záhumenice (7172a1), 48°53'39"N 17°41'24"E, 470–510 m a.s.l.; cattle pasture.
266. Strání, Záhumenice NM (7172a1), 48°53'40"N 17°41'09"E, 460–530 m a.s.l.; mesic to wet meadows, forest margins, small woods; Malaise trap (48°53'48"N 17°41'12"E, 460 m a.s.l.).
267. Strání, Nová hora hill, above Nová hora NR (7172a2). 48°53'40"N 17°43'50"E, 500–550 m a.s.l.; field.
268. Strání, Nová hora NR (7172a2), 48°53'23"N 17°43'34"E, 400–490 m a.s.l.; mesic meadows, forest margins.
269. Strání, Javorina NNR (7172a3), 48°51'32"N 17°40'33"E, 830–900 m a.s.l.; beech and ravine forests, forest glades.
270. Strání, Javorina NNR (7172a3), 48°51'32"N 17°40'33"E, 900–970 m a.s.l.; montane meadow, forest margins; Malaise trap (48°51'23"N 17°40'09"E, 935 m a.s.l.).

### Annotated list of species

The individual species are listed in descending order from infraorders to families (as in CASSIS & GROSS (1995, 2002) and, within each family, alphabetically. For previously unpublished records, all material examined for each species is given with individual records ordered with respect to the number of the collecting site. These records are structured as follows: name of the nearby village or town and shortened local name of the place, number of the collecting site as given in the list of collecting sites (in parentheses), date, details of habitat or host plant where appropriate, collecting method (if other than sweeping or individual collecting), number of specimens (with information on pterygopolymorphism in parentheses), name of collector(s), name of the person who identified or revised the material (if other than Petr Kment), and abbreviation of the collection in which the voucher material is deposited (in parentheses). Previously published records from the Bílé Karpaty PLA are cited only with the name of the nearby village and town, local name of the place and the number of the collecting site (in parentheses); further details can usually be found in the corresponding references. For some records, the locality could not be precisely placed (e.g. due to insufficient data on labels or in original papers) and is associated instead with the code of the corresponding field in the central European grid for mapping flora and fauna (EHRENDORFER & HAMANN 1965, PRUNER & MÍKA 1996). For a few rare species or species with inadequately known distribution in the Czech Republic, additional records available from Moravia or Bohemia (i.e. from outside of the Bílé Karpaty PLA) are given, associated with the field codes in the same grid as well.

Brief summary information on the distribution and frequency in the Bílé Karpaty PLA, general distribution (zoogeographical element), biology and habitat (feeding and ecological requirements, particularly with respect to species' occurrence in Moravia), and national Red List status are provided for each species. Additional comments concerning recent nomenclatorial changes, taxonomic status, or distribution in Moravia are given for some of them.



True bugs (Hemiptera: Heteroptera)

### Infraorder DIPSOCOROMORPHA

#### Family CERATOCOMBIDAE

##### *Ceratocombus (Ceratocombus) coleopratus (Zetterstedt, 1819)*

**Material examined.** Svatý Štěpán, Chladný vrch NM (93), 16.vi.–4.vii.2010, Mt, 1 ♀ (ma), P. Chvojka & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 3 ♀♀ (ma), 11.–31.vii.2007, Mt, 1 ♀ (ma), 12.ix.–2.x.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 5.–24.viii.2009, Mt, 1 ♀ (ma), 24.viii.–14.ix.2009, Mt, 2 ♀♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ (br), I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread throughout the area but insufficiently documented. All specimens but one were macropterous, collected into Malaise traps. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Epigeic, living in moss, plant litter (e.g. fallen leaves and needles, old grass) and decaying wood in moist to dry habitats, in open conditions as well as in forests. Widespread, not rare, but only seldom collected for its minute size and hidden way of life (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** So far reported for Moravia only from three localities: Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985), Hukvaldy (deergame park, 6375) (KMENT & BRYJA 2001), and Budkovice (Budkovické skály rocks, 6964) (BRYJA *et al.* 2002).

### Infraorder NEPOMORPHA

#### Family NEPIDAE

##### *Nepa cinerea* Linnaeus, 1758

**Material examined.** Slavičín, Lukšinka stream (17), 4.ix.2010, 1 spec., M. Straka lgt. et det. (MSHC). Nevšová, swimming pool (20), 6.viii.1999, 1 ♂, P. Kment lgt. (PKPC). Poteč, pond (27), 21.v.1999, 1 ♂, M. Horsák & P. Kment lgt., 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), puddle in a spring fen, 3.vii.1999, 1 ♀ 1 L, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 2 ♂♂, M. Horsák lgt. (MUBC, PKPC); 5.vii.2001, 1 L3, P. Kment & I. Malenovský lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Strání, Žabka reservoir (148), 16.v.1998, 1 ♂, P. Kment lgt., 10.vii.1998, numerous larvae, P. Kment observ., 2.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 2 L, P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 14.vii.1998, 1 L, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 14.vii.1998, numerous larvae, P. Kment observ. (1 L in PKPC). Radějov, Pusté deergame enclosure, small pond below Kútky NR (219), 20.viii.2002, 1 L5, P. Kment observ. Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 2 L1 1 L2 1 L4, P. Kment lgt., 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaearctic. **Biology and habitat:** Zoophagous. Euryecious

in standing and slowly running waters, mostly near shores on muddy bottom and among vegetation. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### Family MICRONECTIDAE

#### *Micronecta (Dichaetonecta) scholtzi* (Fieber, 1860)

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 1 ♂ 1 ♀ (ma), P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ 3 ♀♀ (br), M. Horsák & P. Kment lgt. (PKPC). Horní Němčí, reservoir in village (111), 21.ix.2001, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 11 ♂♂ 7 ♀♀ (br), M. Horsák & P. Kment lgt. (PKPC). Strání, Žabka reservoir (148), 10.vii.1998, 4 ♂♂ (br), P. Kment lgt. (PKPC). Petrov, reservoir (183), 19.viii.2002, 3 ♂♂ 5 ♀♀ (br), P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 14.vii.1998, 4 ♂♂ 14 ♀♀ (br), P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 14.vii.1998, 2 ♂♂ (br), P. Kment lgt. (PKPC); 24.ix.2005, new pools at inflow, 17 ♂♂ 22 ♀♀ (br), P. Kment lgt. (JKKD, PKPC). Hrubá Vrbka, Rošřovica reservoir (203), 12.viii.2000, 22 ♂♂ 8 ♀♀ (br), M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** European, extending to Maghreb. **Biology and habitat:** Zoophytophagous (?). On shallow, vegetation-free shores of larger standing waters (ponds, reservoirs, etc.), or in lower stretches of rivers; the most thermophilous, the most tolerant to eutrophication and the least demanding for oxygen among the central European *Micronecta* species. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006; P. Kment, pers. observ.). **Red List status:** –.

#### *Micronecta (Micronecta) minutissima* (Linnaeus, 1758) (VU)

**Material examined.** Strání, Žabka reservoir (148), 10.vii.1998, 3 ♂♂ (br), P. Kment lgt. (PKPC). Radějov, Pusté deergame enclosure, small pond below Větrová hill (216), 18.viii.1999, 1 ♂ 1 ♀ (br), M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at two sites only. **General distribution:** West Eurosiberian (Europe and Kazakhstan). **Biology and habitat:** Zoophytophagous (?). On shallow shores of standing waters (especially lakes and reservoirs, also in ponds, loam pits, alluvial pools, etc.), rarely in small, slowly running waters; less thermophilous, less tolerant to eutrophication and more demanding for oxygen than *M. scholtzi*. Rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** Vulnerable.

### Family CORIXIDAE

#### *Callicorixa praeusta praeusta* (Fieber, 1848)

**Material examined.** Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 1 ♂, M. Horsák lgt. (PKPC). Svatý Štěpán, pools at railway (86), 23.x.1969, 1 ♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 9.iv.2000, 1 ♀, M. Horsák lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 2 ♂♂, Z. Malinka lgt. (ZMOC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, probably due to a paucity of suitable habitats. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous. Euryecious in various types of standing or running waters, preferring those with rich vegetation and abundant organic matter in bottom substrate; tolerant to salinity. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

*Corixa punctata* (Illiger, 1807)

**Material examined.** Svatý Štěpán, pools at railway (86), 23.x.1969, 3 ♂♂ 6 ♀♀, L. Pospíšilová lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey, probably due to a paucity of suitable habitats. **General distribution:** West Palaearctic, extending to northern China and India. **Biology and habitat:** Zoophagous. Usually in small standing waters (e.g. ponds, loam pits, pools after turf mining, oxbow lakes) with rich vegetation and various trophic levels, rarely in slowly running waters. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

*Cymatia coleoptrata* (Fabricius, 1777)

**Material examined.** Svatý Štěpán, pools at railway (86), 23.x.1969, 5 ♂♂ 4 ♀♀ (br), L. Pospíšilová lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey, probably due to a paucity of suitable habitats. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. In mesotrophic to eutrophic standing waters with rich submerged vegetation (e.g. small lakes, ponds, oxbow lakes, loam pits); only exceptionally in slowly running waters. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

*Cymatia rogenhoferi* (Fieber, 1864)

**Material examined.** Tvarožná Lhota, Lučina reservoir (199), new pools at inflow, 24.ix.2005, 2 ♂♂ 3 ♀♀ 2 L5, P. Kment lgt. (JDKD, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one locality in the southern part of the area. **General distribution:** West Palaearctic, extending to Mongolia, northern China and India. **Biology and habitat:** Zoophagous. Euryecious in various standing waters with sandy or loamy substrate, with or without vegetation, tolerant to dystrophic water as well as higher salinity. Widespread, but very scattered and rare in central Europe (WRÓBLEWSKI 1980, KMENT & SMÉKAL 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** The distribution of *C. rogenhoferi* in the Czech Republic was reviewed by KMENT & SMÉKAL (2002). An additional record from Úvaly (pool at the Úvalský rybník pond, 7266) in southern Moravia was provided by STRAKA *et al.* (2009).

***Hesperocorixa linnaei* (Fieber, 1848)**

**Material examined.** Svätý Štěpán, pools at railway (86), 23.x.1969, 1 ♂ 21 ♀♀, L. Pospíšilová lgt. (MMBC). Horní Němčí, reservoir in village (111), 15.v.1998, 1 ♀, P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 9.iv.2000, 1 ♀, 29.iv.2000, 1 ♀, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, probably due to a paucity of suitable habitats. **General distribution:** West Palaearctic, extending to eastern Siberia.

**Biology and habitat:** Zoophytophagous (?). In mesotrophic to eutrophic standing waters rich in submerged vegetation and organic matter in bottom substrate, rarely also in slowly running streams; in open as well as shaded conditions. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

***Paracorixa concinna concinna* (Fieber, 1848)**

**Material examined.** Komňa, Lom Rasová NM (128), 9.iv.2000, 1 ♂, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at one site in the central part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous (?). Euryecious in various standing waters (e.g. ponds, pools in loam or gravel pits, etc.), avoiding shaded conditions, rarely also in slowly running streams; tolerant to salinity. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

***Sigara (Pseudovermicorixa) nigrolineata nigrolineata* (Fieber, 1848)**

**Material examined.** Luhačovice, fountain in front of the Fontána II Hotel (4), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Petrůvka, small pond on Gáborka brook (13), 6.viii.1999, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Lipová (towards Haluzice), Lipovky forest (16), 21.viii.1984, 2 ♂♂ 6 ♀♀, J. L. Stehlík lgt. (MMBC). Nevšová, Říka brook in village (18), 6.viii.1999, 8 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Nevšová, swimming pool (20), 6.viii.1999, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Poteč, pond (27), muddy shallow, 21.v.1999, 5 ♂♂ 3 ♀♀, M. Horsák & P. Kment lgt., 1.vii.1999, 4 ♂♂ 8 ♀♀ (2 ♀♀ freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Svätý Štěpán, pools at railway (86), 23.x.1969, 14 ♂♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Strání, Žabka reservoir (148), 2.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 24.ix.2005, new pools at inflow, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Palaearctic. **Biology and habitat:** Zoophytophagous (?). Euryecious, inhabiting various small standing (pools in loam or sand pits, rain puddles and other temporary pools) and slowly running waters (small brooks, ditches), regardless pH and vegetation. A pioneer species, promptly colonizing newly created habitats and avoiding competition of other corixid species. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006; P. Kment, pers. observ.). **Red List status:** –.

***Sigara (Sigara) striata* (Linnaeus, 1758)**

**Material examined.** Poteč, pond (27), 1.vii.1999, 1 ♂ 2 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Svätý Štěpán, pools at railway

(86), 23.x.1969, 10 ♂♂ 1 ♀♀, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 9.iv.2000, 2 ♂♂ 1 ♀, M. Horsák lgt. (PKPC). Petrov, reservoir (183), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 14.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♂ 1 ♀, Z. Malinka lgt. (ZMOC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous (?). Euryecious, in various standing (especially lakes and fish ponds with muddy or sandy bottom) and slowly running waters (from small brooks to large rivers), tolerant to eutrophication and salinity. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Sigara (Subsigara) falleni* (Fieber, 1848)

**Material examined.** Poteč, pond (27), 1.vii.1999, 14 ♂♂ 12 ♀♀ (1 ♂ 1 ♀ freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 5 ♀♀, P. Kment lgt., 2.vii.1999, 11 ♂♂ 19 ♀♀ (1 ♂ 10 ♀♀ freshly hatched), M. Horsák & P. Kment lgt. (PKPC). Svatý Štěpán, pools at railway (86), 23.x.1969, 4 ♂♂, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 9.iv.2000, 2 ♂♂ 3 ♀♀, 29.iv.2000, 1 ♂, M. Horsák lgt. (PKPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 14.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 14.vii.1998, 16 ♂♂, 24.ix.2005, new pools at inflow, 16 ♂♂ 25 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, Rošřovica reservoir (203), 12.viii.2000, 1 ♀, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous (?). Euryecious, in various standing (especially lakes and fish ponds with muddy or sandy bottom) and slowly running waters (from small brooks to large rivers), tolerant to eutrophication. Very common, the most common corixid species in central Europe (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Sigara (Vermicorixa) lateralis* (Leach, 1817)

**Material examined.** Luhačovice, fountain in front of the Fontána II Hotel (4), 6.viii.1999, 2 ♂♂, P. Kment lgt. (PKPC). Nevšová, swimming pool (20), 6.viii.1999, 5 ♂♂ 16 ♀♀ (2 ♂♂ freshly hatched), P. Kment lgt. (PKPC). Poteč, pond (27), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 3 ♀♀, M. Horsák lgt. (PKPC). Svatý Štěpán, pools at railway (86), 23.x.1969, 1 ♀, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 9.iv.2000, 1 ♀, 29.iv.2000, 1 ♂ 2 ♀♀, M. Horsák lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♂ 1 ♀, Z. Malinka lgt. (ZMOC). Tvarožná Lhota, Lučina reservoir (199), 24.ix.2005, new pools at inflow, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaeartic (extending to tropical Africa and India). **Biology and habitat:** Zoophytophagous (?). Euryecious in oligotrophic spring-pools, as well as hypertrophic ponds, in temporary rain puddles, as well as large lakes, usually preferring habitats with bare bottom; tolerant to salinity and eutrophication. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### Family NAUCORIDAE

#### *Ilyocoris cimicoides cimicoides* (Linnaeus, 1758)

**Material examined.** Svatý Štěpán, pools at railway (86), 23.x.1969, 1 ♂ 2 ♀♀, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 L3, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at two sites only. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Preferring standing waters, more rarely in slowly running waters, usually at sites with rich vegetation and muddy bottom (especially small eutrophic lakes and ponds); tolerant to eutrophication. Common in lowlands, rare or missing in mountains (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### Family NOTONECTIDAE

#### *Notonecta (Notonecta) glauca glauca* Linnaeus, 1758

**Material examined.** Poteč, pond (27), 1.vii.1999, 6 ♂♂ 1 ♀ (4 ♂♂ freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 24.viii.2002, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Svatý Štěpán, pools at railway (86), 23.x.1969, 2 ♂♂ 11 spec., L. Pospíšilová lgt. (MMBC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 14.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Járkovec brook (200), 25.ix.2010, 1 spec., M. Straka lgt. et det. (MSHC). Radějov, Pusté deergame enclosure, small pond below Větrová hill (216), 18.viii.1999, 1 ♀, M. Horsák lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaeartic. **Biology and habitat:** Zoophagous. Euryecious in all types of standing and slowly running waters with sufficient vegetation. Very common, the most common backswimmer in central Europe (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Notonecta (Notonecta) maculata* Fabricius, 1794

**Published records.** KMENT & SMÉKAL (2002): Nevšová, Říka brook in the village (18) and abandoned swimming pool (20).

**Material examined.** Slavičín, Lukšinka stream (17), 4.ix.2010, 1 ♂ 2 ♀♀, M. Straka lgt. et det. (MSHC). Vlachovice, Sviborka brook (21), 18.ix.2006, 1 ♀, P. Komzák lgt. (PKBC). Javorník, towards Vrbovec, Teplíka brook (262), 19.ix.2006, 1 ♂, P. Komzák lgt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare and scattered, depending on suitable habitats. **General distribution:** Holomediterranean, extending to central Europe, Iran and Pakistan. **Biology and habitat:** Zoophagous. A pioneer species, in standing, as well as running waters without vegetation, often colonizing newly created pools (e.g. in sand pits and quarries), as well as abandoned concrete reservoirs, avoiding competition with other backswimmer species. Widespread but rare (WRÓBLEWSKI 1980, KMENT & SMÉKAL 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** The distribution in the Czech Republic was reviewed by KMENT & SMÉKAL (2002).

***Notonecta (Notonecta) viridis* Delcourt, 1909**

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), puddles in spring fen, 8.viii.2007, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at two sites only.

**General distribution:** Holomediterranean, extending to central Europe, and central Asiatic, extending to India. **Biology and habitat:** Zoophagous. In standing waters with more or less rich vegetation and low trophic levels (fish ponds, pools in loam or gravel pits, rarely in peaty pools); tolerant to salinity. Widespread but quite rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

**Family PLEIDAE**

***Plea minutissima minutissima* Leach, 1817**

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 2 ♂♂ 6 ♀♀, P. Kment lgt. (MUBC, PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 2 ♂♂, M. Horsák & P. Kment lgt. (PKPC). Strání, Žabka reservoir (148), 10.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 13.v.1998, 1 spec., 14.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 spec., 14.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, Rošřovica reservoir (203), 12.viii.2000, 1 ♀, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Palaearctic. **Biology and habitat:** Zoophagous. In various standing (fish ponds, old pools in loam or turf pits, oxbow lakes) or slowly running waters, always with rich submerged vegetation. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

**Infraorder GERROMORPHA**

**Family MESOVELIIDAE**

***Mesovelia furcata* Mulsant et Rey, 1852**

**Material examined.** Petrov, reservoir (183), 19.viii.2002, 1 ♂ 1 ♀ (ap), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one locality. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. On standing waters, only rarely on streams, with more or less dense cover of floating macrophytes (e.g. *Nymphaea*, *Nuphar*, *Potamogeton*). Widespread, not rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

**Family HEBRIDAE**

***Hebrus (Hebrus) pusillus pusillus* (Fallén, 1807)**

**(Fig. 1)**

**Material examined.** Nedašov, Jalovcová stráž NR (54), spring fen, 25.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), spring fen, 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Březová,

Kalábová NM (137), 9.iv.2000, 1 ♂ 5 ♀♀, M. Horsák lgt. (MHBC, PKPC). Kněždub, Čertoryje NNR (202), U Pomníčku, spring fen, 22.viii.2002, 1 ♂ 1 ♀, P. Kment & M. Hrabáková (PKPC). Radějov, Kútky NR (217), spring fen, among tufts of *Scirpus*, 8.ix.1998, 2 ♂♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but probably insufficiently documented. **General distribution:** Eurosiberian (perhaps extending to the Mediterranean area). **Biology and habitat:** Zoophagous. On shores as well as surface of various water bodies with rich vegetation on shores, in peat bogs as well as alkaline waters. Widespread, not rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Hebrus (Hebrusella) ruficeps* Thomson, 1871

**Material examined.** Valašské Klobouky, Na Nivách (34), on the ground in spring fen, 30.vi.1999, 1 ♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Březová, Kalábová NM (137), 9.iv.2000, 1 ♂ 1 ♀ (mi), M. Horsák lgt. (PKPC). Strání, Hrnčárky NM (141), travertine spring fen, 9.viii.2001, 2 ♀♀ (mi), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but probably insufficiently documented. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. In mosses, especially *Sphagnum*. Widespread, not rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### Family HYDROMETRIDAE

#### *Hydrometra stagnorum* (Linnaeus, 1758)

**Material examined.** Poteč, pond (27), 21.v.1999, 1 ♂ 1 ♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 24.viii.2002, 1 ♀ (mi), P. Kment lgt. (PKPC). Svatý Štěpán, Vlára river (95), 21.v.1999, 1 ♂ (mi), M. Horsák & P. Kment lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 2 ♂♂ (mi), M. Horsák & P. Kment lgt. (PKPC). Lopeník, Hrubár brook valley (156), 29.iv.2000, 1 ♂ (mi), M. Horsák lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 spec., P. Kment observ., 19.vi.2000, 2 ♂♂ 2 ♀♀ (mi), P. Kment lgt. (MUBC, PKPC); 9.ix.2000, 4 ♂♂ 4 ♀♀ (mi) 1 L, P. Kment & I. Malenovský lgt. (MUBC, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaearctic. **Biology and habitat:** Zoophagous. On water surface at, or directly on, shores, richly vegetated, as well as bare, of various standing, as well as running waters. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### Family VELIIDAE

#### *Microvelia (Microvelia) reticulata* (Burmeister, 1835)

**Material examined.** Petrůvka, small pond on Gáborka brook (13), 6.viii.1999, 1 ♂ (ma), P. Kment lgt. (PKPC). Nevšová, swimming pool (20), 6.viii.1999, 2 ♂♂ 1 ♀ (ma) 1 ♀ (ap), P. Kment lgt. (PKPC). Poteč, pond (27), 21.v.1999, 1 ♂ (ap), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♂ (ap), P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 1 ♀ (ap), M. Horsák lgt. et det. 5.vii.2001, 1 ♀ (ma) 4 ♂♂ 2 ♀♀ (ap), P. Kment & I. Malenovský lgt. (PKPC). Tvarožná Lhota, Lučina



reservoir (199), 24.ix.2005, new pools at inflow, 1 ♂ (ma) 1 ♂ (ap), P. Kment lgt. (PKPC). Radějov, Pusté deergame enclosure, small pond below Větrová hill (216), 18.viii.1999, 1 ♀ (ap), M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. On surface of various standing waters (lakes, fish ponds, pools and various ditches) with rich shore vegetation, preferring shaded places. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Velia (Plesiovelia) caprai caprai* Tamanini, 1947

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, Járkovec brook (201).

**Material examined.** Luhačovice, Gáborka brook (5), 6.viii.1999, 2 ♂♂ 4 ♀♀ (ap), P. Kment lgt. (PKPC). Luhačovice, Petrůvka brook (7), 6.viii.1999, 1 ♂ 1 ♀ (ap), P. Kment lgt. (PKPC). Haluzice, Václavský potok stream (15), 4.ix.2010, 3 spec., M. Straka lgt. et det. (MSHC). Nevšová, Říka brook in village (18), 6.viii.1999, 5 ♀♀ (ap), P. Kment lgt. (PKPC). Nevšová, Říka brook upstreams the village (19), 6.viii.1999, 2 ♂♂ 1 ♀ (ap), P. Kment lgt. (PKPC). Vrbětice, Václavský stream (22), 8.v.2010, 1 ♀ (ap), M. Straka lgt. et det. (MSHC). Poteč, right-side tributary of Brumovka brook (26), 21.v.1999, 6 ♂♂ 1 ♀ (ap), M. Horsák & P. Kment lgt. (PKPC). Nedašova Lhota, Nedašovka brook valley (41), 12.viii.1999, 2 ♂♂ 2 ♀♀ (ap), M. Horsák lgt. (PKPC). Nedašov, Hrušová dolina valley (53), small brook, 20.v.1999, 2 ♂♂ (ap), P. Kment & I. Malenovský lgt. (PKPC). Pitín, Olšava rivulet (73), 8.v.2010, 1 spec., M. Straka lgt. et det. (MSHC). Nedašov, Na Kopanicách, brook (89), 20.v.1999, 1 ♂ 1 ♀ (ap), 3.vii.1999, 1 ♀ (ap), P. Kment & I. Malenovský lgt. (PKPC). Slavkov, Kazivec brook valley (122), Kazivec brook, 15.v.1998, 5 ♂♂ 1 ♀ (ap), P. Kment lgt. (PKPC). Lopeník, Nivnička rivulet (131), 15.v.2010, 4 spec., M. Straka lgt. et det. (MSHC). Strání, Klanečnice brook valley above Žabka reservoir (142), Klanečnice brook, 16.v.1998, 4 ♂♂ 1 ♀ (ap), 9.viii.2001, 3 ♂♂ 3 ♀♀ (ap), P. Kment lgt. (PKPC). Lopeník, Hrubár brook valley (156), 29.iv.2000, 1 ♂ 1 ♀ (mi), M. Horsák lgt. (PKPC). Tvarožná Lhota, Járkovec brook (200), 25.ix.2010, 1 spec., M. Straka lgt. et det. (MSHC). Javorník, railway station (237), drainage ditches along railway, 7.ix.1998, 1 ♂ 2 ♀♀ (ap), I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook NW Machová hill (257), 14.v.1998, 3 ♂♂ 1 ♀ (ap), 9.vii.1998, 1 ♂ 1 ♀ (ap), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** European. **Biology and habitat:** Zoophagous. On running waters, from small springs to relatively wide brooks, in turbulent streams on quiet pools, preferring shaded forest streams; rarely on standing waters connected with streams. Common in medium and higher elevations, rare in warm lowlands (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Velia (Plesiovelia) saulii* Tamanini, 1947

**Published record.** ROHÁČOVÁ (1992): Luhačovice env. (68–6972).

**Material examined.** Nevšová, Říka brook in the village (18), 6.viii.1999, 1 ♀ (ap), P. Kment lgt. (PKPC). Válašské Klobouky, Brumovka brook (49), 19.v.1999, 1 ♀ (ap), P. Kment & I. Malenovský lgt. (PKPC). Louka, Hloží NR (106), 24.iv.1999, 1 ♀ (ap), M. Horsák lgt. (PKPC). Horní Němčí, right-side tributary of Okluky brook (112), 15.v.1998, 1 ♀ (ap), P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 ♀ (ma), P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♂ 1 ♀ (ap), P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley downstream Kejda pond (256), 14.vii.1998, 1 ♂ 2 ♀♀ (ap), P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook NW Machová hill (257), 14.v.1998, 1 ♀ (ap), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** European. **Biology and habitat:** Zoophagous. On running waters,

preferring larger and/or less shaded streams than *V. caprai*. Widespread, not rare; present also in lowlands (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

## Family GERRIDAE

### *Aquarius paludum paludum* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, Radějovka brook and an adjacent pool (204).

**Material examined.** Poteč, pond (27), 21.v.1999, 1 ♀ (ma), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♂ (ma), P. Kment lgt., 2.vii.1999, 1 ♂ (br), M. Horsák & P. Kment lgt. (PKPC). Bojkovice, Koménka brook (67), 8.v.2010, 1 spec. M. Straka lgt. et det. (MSHC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 1 ♀ (ma), M. Horsák lgt. (PKPC). Horní Němčí, reservoir in village (111), 15.v.1998, 1 ♀ (ma), 21.ix.2001, 1 ♂ (ma), P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 2 ♀♀ (ma), M. Horsák lgt., 5.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♂ (ma) 1 ♀ (br, freshly hatched), M. Horsák & P. Kment lgt. (PKPC). Strání, Žabka reservoir (148), 16.v.1998, 1 ♂ (ma), 10.vii.1998, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Lopeník, Hrubár brook valley (156), 29.iv.2000, 1 ♀ (ma), M. Horsák lgt. (PKPC). Radějov, Mlýnky reservoir (190), 25.viii.1999, 1 ♀ (sma), M. Fikáček lgt. (JVPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♀ (ma) 1 L, P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 14.vii.1998, 1 ♂ (numerous spec. observed), P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♀ (ma), 14.vii.1998, 1 ♀ (br), 24.ix.2005, new pools at inflow, 1 ♀ (ma) (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 2 ♂♂ 2 ♀♀ (ma), P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holopalaearctic, extending to northern areas of the Oriental Region. **Biology and habitat:** Zoophagous. On larger standing and slowly running waters (ponds, oxbow lakes, rivers, etc.) with vegetation-free surface. Very common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### *Gerris (Gerris) argentatus* Schummel, 1832

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, Radějovka brook (204).

**Material examined.** Komňa, Lom Rasová NM (128), 5.vii.2001, 3 ♀♀ (ap), P. Kment & I. Malenovský lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Petrov, reservoir (183), 19.viii.2002, 1 ♂ (ma), P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 1 ♂ (ma), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the central and southern parts of the area. **General distribution:** West Palaearctic, extending to eastern Siberia and Mongolia. **Biology and habitat:** Zoophagous. On standing waters (especially lakes and large ponds, less frequently pools, oxbow lakes, etc.), as well as slowly running streams (canals, brooks); always in habitats with rich growths of submerged macrophytes and dense emerged shore vegetation. Widespread, not rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

### *Gerris (Gerris) gibbifer* Schummel, 1832

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, pool at Radějovka brook (204).

**Material examined.** Luhačovice, fountain in front of the Fontána II Hotel (4), 6.viii.1999, 1 ♀ (ma), P. Kment lgt. (PKPC). Luhačovice, U Kamenného kříže crossroad (10), puddles on the road, 6.viii.1999, 1 ♂ (ma) 3 ♀♀

#### True bugs (Hemiptera: Heteroptera)

(sma, 1 ♀ freshly hatched), P. Kment lgt. (PKPC). Nevšová, Hranice hill (12), on puddles, 6.viii.1999, 2 ♂♂ (ma), P. Kment lgt. (PKPC). Petrůvka, small pond on Gáborka brook (13), 6.viii.1999, 1 ♀ (ma), P. Kment lgt. (PKPC). Lipová (towards Haluzice), Lipovky forest (16), 21.viii.1984, 15 ♂♂ 17 ♀♀ (ma), J. L. Stehlík lgt. (MMBC). Nevšová, Říka brook in village (18), 6.viii.1999, 1 ♀ (ma), P. Kment lgt. (PKPC). Nevšová, Říka brook upstreams the village (19), 6.viii.1999, 1 ♂ 1 ♀ (ma), P. Kment lgt. (PKPC). Nevšová, swimming pool (20), 6.viii.1999, 1 ♂ (ma), P. Kment lgt. (PKPC). Poteč, pond (27), 21.v.1999, 1 ♀ (ma), M. Horsák & P. Kment lgt., 1.vii.1999, 1 ♂ 1 ♀ (ma), P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, Královec hill (33), puddles on forest path, 22.v.1999, 2 ♀♀ (ma), P. Kment & I. Malenovský lgt., 10.ix.1999, 2 ♂♂ 2 ♀♀ (ma, 1 ♂ freshly hatched), I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, valley of left-side tributary of Brumovka brook SW of Královec hill (50), 19.v.1999, 2 ♂♂ 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), small brook, 20.v.1999, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), on puddles and spring fens, 20.v.1999, 1 ♂ 3 ♀♀ (ma), P. Kment & I. Malenovský lgt., 25.viii.2002, 2 ♀♀ (ma), P. Kment lgt., 8.v.2004, 1 ♂ 1 ♀ (ma), P. Kment lgt. (PKPC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 1 ♂ (ma), M. Horsák lgt. (PKPC). Hostětín (70), 10.viii.1970, 7 ♂♂ 18 ♀♀ (ma), L. Pospíšilová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♀ (ma), J. L. Stehlík lgt. (MMBC). Bylnice, from Vlára river towards Lazy NR (81), puddles, 21.v.1999, 1 ♂ 2 ♀♀ (ma), I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, small pond at a cottage below Lazy NR (84), 1.vii.1999, 1 ♂ 1 ♀ (ma, freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Svatý Štěpán, Vlára river (95), 21.v.1999, 1 ♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Slavkov, Kazivec brook valley (122), puddles at Kazivec brook, 15.v.1998, 1 ♂ (ma), P. Kment lgt. (PKPC). Slavkov, forest below Dolnoněmčanské louky NR (124), on puddles, 15.v.1998, 1 ♂ (ma), P. Kment lgt. (PKPC). Vápenice, Trstná brook valley (133), puddles on forest road, 6.vii.2001, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Březová, spring fen ca. 600 m SE below Studený vrch hill (138), 9.iv.2000, 1 ♂ 1 ♀ (ma), M. Horsák lgt. (PKPC). Strání, Klanečnice brook valley above Žabka reservoir (142), on puddles, 10.vii.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Strání, village (147), left-side tributary of Klanečnice brook, 16.v.1998, 2 ♀♀ (ma), P. Kment lgt. (PKPC). Lopeník, Hrubár brook valley (156), puddles on road, 29.iv.2000, 1 ♂ 1 ♀ (ma) (MUBC, PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), puddles in spring fen, 8.viii.2007, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 2 ♂♂ 1 ♀ (ma), L. Pospíšilová lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on puddle, 14.v.1998, 2 ♂♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Javorník, Machová NR (259), spring fen on southern slope, 14.v.1998, 3 ♂♂ 1 ♀ (ma), P. Kment lgt. (PKPC). Strání, Mechnáčky NM (264), pool, 7.v.2007, 2 ♂♂ 1 ♀ (ma), P. Komzák lgt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** European, extending to Maghreb. **Biology and habitat:** Zoophagous. On various small to very small, often temporary, standing waters (rain puddles, flooded tracks on roads, small pools), as well as slowly running streams. A well-flying pioneer species that avoids competition with other *Gerris* species. Common in medium and higher altitudes (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Gerris (Gerris) lacustris* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, pool at Radějovka brook (204).

**Material examined.** Luhačovice, Šťávnice river below the Fontána II Hotel (9), 6.viii.1999, 1 ♂ (ma), P. Kment lgt. (PKPC). Petrůvka, small pond on Gáborka brook (13), 6.viii.1999, 1 ♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Lipová (towards Haluzice), Lipovky forest (16), 21.viii.1984, 1 ♂ 4 ♀♀ (ma) 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Nevšová, swimming pool (20), 6.viii.1999, 2 ♂♂ 3 ♀♀ (ma) 2 ♀♀ (br), P. Kment lgt. (PKPC). Vlachovice, Sviborka brook (21), 18.ix.2006, 1 ♂ (ma), P. Komzák lgt. (PKBC). Vrbětice, Václavský stream (22), 8.v.2010, 1 spec., M. Straka lgt. et det. (MSHC). Poteč, right-side tributary of Brumovka brook (26), 21.v.1999, 2 ♀♀ (ma), M. Horsák & P. Kment lgt. (PKPC). Poteč, pond (27), 1.vii.1999, 1 ♀ (ma) 1 ♂ 5 ♀♀ (br), P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 4 ♂♂ 3 ♀♀ (ma), P. Kment lgt., 2.vii.1999, 1 ♂ (ma) 2 ♀♀ (br, 1 ♀ freshly hatched), M. Horsák & P. Kment lgt. (PKPC).

Nedašov, Jalovcová stráž NR (54), 8.v.2004, puddles on a road, 1 ♀ (ma), P. Kment lgt. (PKPC). Bojkovice, Koménka brook (67), 8.v.2010, 1 spec., M. Straka lgt. et det. (MSHC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 1 ♂ (ma) 1 ♀ (br), M. Horsák lgt. (PKPC). Hostětín (70), 10.viii.1970, 1 ♂ 3 ♀♀ (ma) 1 ♀ (br), L. Pospíšilová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♀ (ma) 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Bylnice, small pond at a cottage below Lazy NR (84), 1.vii.1999, 1 ♂ 2 ♀♀ (ma) (freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Bylnice, Vlára river (85), 1.vii.1999, 1 ♂ (ma) 1 ♀ (br), P. Kment & M. Omesová lgt. (PKPC). Svätý Štěpán, pools at railway (86), 23.x.1969, 1 ♂ (br), L. Pospíšilová lgt. (MMBC). Svätý Štěpán, Vlára river (95), 21.v.1999, 2 ♂♂ 1 ♀ (ma), M. Horsák & P. Kment lgt. (PKPC). Louka, Hloží NR (106), 24.iv.1999, 1 ♂ (ma), M. Horsák lgt. (PKPC). Horní Němčít, reservoir in village (111), 15.v.1998, 1 ♂ (br) 1 ♀ (ma), 21.ix.2001, 2 ♂♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Slavkov, Kazivec brook valley (122), puddles at Kazivec brook, 15.v.1998, 1 ♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 2 ♂♂ (ma), M. Horsák lgt., 5.vii.2001, 1 ♂ 3 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Strání, Klanečnice brook valley above Žabka reservoir (142), on puddles, 10.vii.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Strání, Žabka reservoir (148), 10.vii.1998, 2 ♂♂ (ma), 2.ix.2005, 1 ♀ (br), P. Kment lgt. (PKPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), 14.vii.1998, 1 ♀ (br), P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 3 ♂♂ 3 ♀♀ (ma), 14.vii.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Radějov, Pusté deergame enclosure, small pond below Větrová hill (216), 18.viii.1999, 1 ♂ (ma) 2 ♀♀ (br), M. Horsák lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), on puddles, 13.vii.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 ♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Javorník, Machová NR (259), Rybnický potok brook, 14.v.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Javorník, Filipovské údolí valley (261), viii.1941, 1 ♀ (ma), A. Hoffer lgt. (NMPC). Javorník, towards Vrbovce, Teplíka brook (262), 19.ix.2006, 1 ♀ (ma), P. Komzák lgt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic. **Biology and habitat:** Zoophagous. Euryecious on all types of standing and slowly running waters, regardless altitude, water chemism, or vegetation; tolerant to eutrophication and salinity. Very common, the most common water strider in central Europe (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Gerris (Gerris) odontogaster (Zetterstedt, 1828)*

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, Radějovka brook and an adjacent pool (204).

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 2 ♂♂ (ma), P. Kment lgt. (PKPC). Poteč, pond (27), 1.vii.1999, 1 ♂ (ma) 2 ♀♀ (mi), P. Kment & M. Omesová lgt. (PKPC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 1 ♂ (ma), M. Horsák lgt. (PKPC). Bylnice, Vlára river (85), 1.vii.1999, 1 ♂ (ma), P. Kment & M. Omesová lgt. (PKPC). Svätý Štěpán, pools at railway (86), 23.x.1969, 1 ♂ 1 ♀ (ma), L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 29.iv.2000, 1 ♂ 2 ♀♀ (ma), M. Horsák lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 1 ♂ (ma), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Euryecious on standing (lakes, ponds, peat bogs, loam pits, oxbow lakes, etc.), as well as slowly running waters, from lowland to mountains. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Gerris (Gerris) thoracicus Schummel, 1832*

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, pool at Radějovka brook (204).

True bugs (Hemiptera: Heteroptera)

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 3 ♂♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Poteč, pond (27), 21.v.1999, 3 ♂♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀ (ma), M. Horsák & P. Kment lgt. (PKPC). Bojkovice, small pond on right-side tributary of Koménka brook (68), 9.vi.2000, 9 ♂♂ 4 ♀♀ (ma), M. Horsák lgt. (MUBC, PKPC). Svatý Štěpán, Vlárský průsmyk pass, Vlára river (96), 26.iv.2010, 2 ♂♂ (ma), P. Komzák lgt. et det. (PKBC). Horní Němčí, reservoir in village (111), 15.v.1998, 1 ♂, P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 1 ♂ (ma), M. Horsák lgt. (PKPC). Radějov, Dolní Mlýn (195), artificial reservoir, 11.vii.1998, 1 ♀ (ma), P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 2 ♀♀ (ma), P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 18.iv.2000, 1 ♂ 3 ♀♀ (ma), P. Kment & I. Malenovský lgt. (MUBC, PKPC); 19.vi.2000, 2 ♂♂ 2 ♀♀ (ma), P. Kment lgt. (PKPC). Strání, Mechnáčky NM (264), pool, 7.v.2007, 3 ♀♀ (ma), P. Komzák lgt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Palaearctic, extending to northern India. **Biology and habitat:** Zoophagous. Often on small or medium-sized standing (ponds, loam pits, oxbow lakes, alluvial pools) and slowly running waters (brooks, canals), rarely at banks of larger rivers and lakes; tolerant to eutrophication and salinity, rare on dystrophic waters. Common (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

***Gerris (Gerriselloides) asper* (Fieber, 1860) (EN)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR, pool at Radějovka brook (204). KMENT & SMĚKAL (2002): Velká nad Veličkou, Velička river in the village (224).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two sites in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe and Afghanistan. **Biology and habitat:** Zoophagous. On standing (ponds, pools), as well as slowly running waters, especially in shaded conditions (KMENT & SMĚKAL 2002, WACHMANN *et al.* 2006). Very rare; in the Czech Republic, recently confirmed only in the warm lowlands of southern and central Moravia (see KMENT & SMĚKAL (2002) for a review of records). **Red List status:** Endangered.

***Limnporus rufoscutellatus* (Latreille, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR, Radějovka brook and an adjacent pool (204).

**Material examined.** Nevšová, swimming pool (20), 6.viii.1999, 2 ♂♂ 3 ♀♀ (ma, 1 ♂ freshly hatched), P. Kment lgt. (PKPC). Poteč, pond (27), 21.v.1999, 1 ♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 spec., P. Kment observ. Komňa, Lom Rasová NM (128), 9.v.2008, 1 ♂ (ma), P. Komzák lgt. (PKBC). Radějov, Pusté deergame enclosure, small pond below Větrová hill (216), 18.viii.1999, 1 ♂ 1 ♀ (ma), M. Horsák lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 1 ♂ (ma), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite rare. **General distribution:** Holarctic. **Biology and habitat:** Zoophagous. On standing or slowly running waters with dense shore and emerged vegetation, preferring smaller ponds, peaty pools, oxbow lakes, alluvial pools, swamps, or canals. Widespread, but scattered and mostly rare (WRÓBLEWSKI 1980, WACHMANN *et al.* 2006). **Red List status:** –.

**Infraorder LEPTOPODOMORPHA**

**Family SALDIDAE**

***Chartoscirta cincta cincta* (Herrich-Schaeffer, 1841)**

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 2 ♂♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only into Malaise traps at two sites. **General distribution:** West Palaearctic and Afrotropical. **Biology and habitat:** Zoophagous. In swamps, sedge and reed stands, wet meadows, and shore habitats, dwelling on the ground among mosses and vegetation. Widespread, not rare (WACHMANN *et al.* 2006). **Red List status:** –.

***Saldula c-album* (Fieber, 1859)**

**(NT)**

**Material examined.** Horní Němčí, Uvezené NM (120), 7.ii.2009, sifting, 1 ♂, J. Ch. Vávra lgt. (OMOC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky / Strání, Mt. Velká Javořina (255), forest, 9.v.1998, 1 ♀, V. Bryja lgt., J. Bryja det., P. Kment revid. (JBSC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the central and southern part of the area. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** Zoophagous. A characteristic species of sandy and gravel (rarely also muddy) banks of mountain streams. Widespread in mountain or submontane regions but uncommon; rare in lowlands (HOBERLANDT 1977a, WACHMANN *et al.* 2006). **Red List status:** Near-threatened.

**Comments.** The distribution in the Czech Republic was reviewed by HOBERLANDT (1977a).

***Saldula opacula* (Zetterstedt, 1838)**

**Material examined.** Kněždub, environs of Kejda pond (196) and Čertoryje NNR (202), 14.ix.2004, 1 ♀, M. Horský lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 4 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, found only in the southern part of the area. **General distribution:** Holarctic (Holopalaearctic extending to northern India, missing in northern Africa; and Nearctic). **Biology and habitat:** Zoophagous. Euryecious, found on banks of various waters, in humid heathland, peat bogs, and salt marshes. Widespread but quite rare (HOBERLANDT 1977a, WACHMANN *et al.* 2006). **Red List status:** –.

***Saldula saltatoria* (Linnaeus, 1758)**

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 9.ix.1999, 4 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC); 20.v.2006, 1 ♂, P. Komzák lgt. (PKBC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Svatý Štěpán, Chladný vrch NM (93), 6.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Komňa, Lom Rasová NM (128), 29.iv.2000, 1 ♀, M. Horsák & J. Horsáková lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 2 ♂♂, P. Kment lgt. (PKPC). Lopeník, Hrubý Mechnáč (157), 29.iv.2000, 1 ♀, M. Horsák lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 17.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), spring fen, 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 7.iv.–5.v.2010, Mt, 1 ♀, 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** Zoophagous. Eurycious: occurring on wet shores of waters from small pools to large lakes and rivers, including raised peat bogs and salt marshes; more rarely also in dry habitats, such as ruderal sites, fallows and fields. Very common, the most common shore bug species in central Europe (WACHMANN *et al.* 2006). **Red List status:** –.

**Infraorder CIMICOMORPHA**

**Family TINGIDAE**

***Acalypta marginata* (Wolff, 1804)**

**Published record.** HOBERLANDT (1942): Velká Javorina (942 m) [= Mt. Velká Javořina] (255).

**Material examined.** Brumov, Uhlíčky (44), 4.v.–3.vi.2005, pt, 1 ♂ (br), K. Resl lgt., 3.vi.–4.vii.2005, pt, 1 ♀ (br), K. Resl lgt., 6.viii.–7.ix.2005, pt, 1 ♀ (br), K. Resl lgt. (PKPC). Brumov, Kloboucká street (76), 4.v.–3.vi.2005, pt, 2 ♂♂ 2 ♀♀ (br), K. Resl lgt., 3.vi.–4.vii.2005, pt, 1 ♂ 1 ♀ (br), K. Resl lgt. (PKPC). Horní Němčí, Drahy NR (117), 22.v.–22.vi.2003, pt, 1 ♂ (br), K. Resl lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 3.iv.–6.v.2005, pt, 2 ♂♂ (br), K. Resl lgt., 6.v.–4.vi.2005, pt, 7 ♂♂ (br), K. Resl lgt., 26.v.2005, sweeping, 1 ♀ (ma), I. Malenovský lgt., 4.vi.–4.vii.2005, pt, 3 ♂♂ (br), K. Resl lgt. (PKPC). Suchovské Mlýny, meadow (227), 6.v.–4.vi.2005, pt, 18 ♂♂ 5 ♀♀ (br), 4.vi.–4.vii.2005, pt, 3 ♂♂ 2 ♀♀ (br), K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread throughout the area but insufficiently documented. Nearly all specimens were collected by means of pitfall traps. **General distribution:** Eurosiberian. **Biology and habitat:** Epigeic, living in mosses and lichens. Eurycious in dry, as well as humid habitats (heathland, dry grassland, dunes, mossy and swampy meadows, oak and pine forests), although preferring dry, sunny places. Widespread, not rare (STEHLÍK 2002, RÉDEI *et al.* 2004, WACHMANN *et al.* 2006). **Red List status:** –.

*Acalypta musci* (Schrank, 1781)

**Published record.** HOBERLANDT (1942, as typical forma and var. *dilatata*): Velká Javorina (942 m) [= Mt. Velká Javořina] (255).

**Material examined.** Luhačovice, forest along Štávnické river (3), sifting of moss, 10.xi.2001, 2 ♂♂, M. Mantič lgt. (MMHC). Žitková, Skaličí (165), 12.vii.2009, 1 ♂, E. Ezer lgt. (EEZC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare but probably insufficiently documented. **General distribution:** European. **Biology and habitat:** Epigeic, living in mosses and plant litter under trees in various forests, deciduous as well as coniferous (Medio-European beech and oak-hornbeam forests, particularly in *Quercus-Carpinetum*; dry and mesophilous oak woods; mixed forests and deciduous thickets, particularly *Tilio-Fraxinetum*; riverine forests; coniferous woods), only exceptionally collected in woodless habitats. Widespread, not rare (STEHLÍK 2002, RÉDEI *et al.* 2004, WACHMANN *et al.* 2006). **Red List status:** –.

*Acalypta nigrina* (Fallén, 1807)

**Published record.** HOBERLANDT (1942): Velká Javorina (942 m) [= Mt. Velká Javořina] (255).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, not found in the course of the recent survey. **General distribution:** Eurosiberian. **Biology and habitat:** Epigeic, living in mosses (e.g. *Polytrichum*, *Hypnum*, *Pleurozium*, *Dicranum*) in humid open (heathland, peat bogs and peaty meadows), as well as forest habitats; preferring medium and higher altitudes. Widespread but rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

*Acalypta platycheila* (Fieber, 1844)

**Material examined.** Brumov, Uhličky (44), 30.vi.2004, sweeping, 1 ♂ (br), P. Kment lgt., 3.vi.–4.vii.2005, 1 ♀ (br), K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at one site in the northern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Epigeic, associated with moist mosses (e.g. *Pleurozium*) in open as well as forest, quite humid habitats. Widespread but rare (RÉDEI *et al.* 2004, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** For Bohemia recorded by FIEBER (1844, 1861) without exact locality data, DUDA (1884, 1885; as *Orthostira platycheila*) from the environs of Písek (6650–51, 6750–51), and HOBERLANDT (1943) from Breitenbach [= Potůčky] (5542). There has been no reliable record of *A. platycheila* for Moravia, as the finding by DOBŠÍK (1977) from Biskupice (5871) turned out to be a misidentified *A. marginata* (see STEHLÍK 2002: 92). First record for Moravia.

*Agramma (Agramma) confusum* (Puton, 1879) (CR)

**Published record.** KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráň NR (54).



**Material examined.** Nedašov, Jalovcová stráž NR (54), sweeping of a spring fen, 20.v.1999, 1 ♂ 2 ♀♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one small spring fen in the northern part of the area, not confirmed after 1999. **General distribution:** European, extending to Anatolia and Iran. **Biology and habitat:** Development was confirmed in Moravia on *Juncus gerardii* (ŠTUSÁK 1971; P. Kment, pers. observ.), although it develops also on other plants of the Cyperaceae and Juncaceae (e.g. *Carex*, *Blysmus*, *Juncus*, *Eriophorum*; GOLUB 1990). Most often found in salt marshes, rarely in other moist habitats in warm lowlands. Very rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** Critically endangered.

#### *Campylosteira verna* (Fallén, 1826)

(VU)

**Material examined.** Brumov, Uhličky (44), 3.vi.–4.vii.2005, pt, 1 ♂ (br), K. Resl lgt. (PKPC). Brumov, Kloboucká street (76), 4.v.–3.vi.2005, pt, 1 ♀ (br), 3.vi.–4.vii.2005, pt, 3 ♂♂ (br), K. Resl lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2005, 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 16.iv.–20.v.2005, pt, 2 ♂♂ (br), 20.v.–25.vi.2005, pt, 3 ♂♂ 1 ♀ (br), K. Resl lgt. (PKPC). Suchovské Mlýny, meadow (227), 6.v.–4.vi.2005, pt, 1 ♂ (br), K. Resl lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 6.v.–4.vi.2005, pt, 1 ♂ (br), K. Resl lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 8.v.2005, pt, 1 ♀ (br), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Probably widespread throughout the area but insufficiently documented; collected almost exclusively into pitfall traps. **General distribution:** West Eurosiberian. **Biology and habitat:** Epigeic, living in plant litter, mosses and lichens, and under stones. In open, xerothermic to moist habitats. Widespread but rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** Vulnerable.

#### *Catoplatus carthusianus* (Goeze, 1778)

**Published record.** STEHLÍK (2002): Javorník (7171).

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, recently collected only in one xerothermic locality in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** On *Eryngium campestre* in xerothermic localities. Common in relatively warm regions (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Catoplatus fabricii* (Stål, 1868)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Luhačovice (68–6972); Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 28.v.2005, 1 ♂, I. Malenovský lgt., 4.v.–3.vi.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♂, P. Kment & I.

Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♀, M. Horský & J. Horská lgt., 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 3 ♂♂, 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovec, E slope of Vyškovec hill (174), 11.iv.2007, 1 ♂, O. Konvička lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 21.v.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 21.v.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 8.v.2004, 1 ♂, 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♂, J. Ch. Vávra lgt. (OMOC); 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 2 ♂♂, P. Kment lgt., 18.iv.2000, 5 ♂♂, P. Kment & I. Malenovský lgt. (PKPC, VURV). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 1 ♂, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 24.v.2001, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Eurosiberian. **Biology and habitat:** On *Leucanthemum vulgare*. In open habitats, particularly various kinds of meadows (especially dry and warm ones), rarely also in ruderal sites. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Catoplatus horvathi* (Puton, 1878)

(VU)

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one xerothermic locality in the southern part of the area. **General distribution:** West Eurosiberian. **Biology and habitat:** On Apiaceae (*Bupleurum falcatum*, *Seseli osseum*, *Eryngium*) in xerothermic localities, especially dry grassland on rock. Rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** Vulnerable.

#### *Copium clavicorne clavicorne* (Linnaeus, 1758)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Radějov, Holý vrch hill (189); Kněždub, Čertoryje NNR (202); Javorník, Výzkum hill (258); Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 21.ix.2001, 1 ♂, 23.v.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♂, J. Ch. Vávra lgt. (OMOC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, restricted to xerothermic sites. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** On *Teucrium chamaedrys* in xerothermic localities (sands, dry grassland on rock). Widespread but rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Derephysia (Derephysia) foliacea* (Fallén, 1807)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Slavičín, 200 m W of the village (69); Lopeník, Mikulčín vrch hill (160); Radějov, Holý vrch hill (189).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 6 ♂♂, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 26.vi.–26.vii.2005, pt, 1 ♀, 26.vii.–26.viii.2005, pt, 2 ♂♂ 1 ♀, K. Resl lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 26.vi.–26.vii.2005, pt, 1 ♂, 26.vii.–26.viii.2005, pt, 1 ♂, K. Resl lgt., 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 14.viii.2001, 1 ♂, M. Horsák lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♀, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–4.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 15.viii.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holarctic (Holopalaeartic and Nearctic, missing in northern Africa). **Biology and habitat:** Polyphagous phytophage. Euryecious, in xerothermic to slightly humid, open habitats, as well as in dry, open forests. Common (STEHLÍK 2002).

**Red List status:** –.

***Dictyla convergens* (Herrich-Schaeffer, 1835)**

**Material examined.** Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one wetland locality in the northern part of the area. **General distribution:** European.

**Biology and habitat:** On *Myosotis palustris* in moist to damp habitats: peat bogs and peaty meadows, shores of ponds, and in valleys of streams. In Moravia distributed at medium altitudes, missing in warm southern Moravian lowland, as well as in high mountains. Locally common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Dictyla echii* (Schrank, 1782)**

**Material examined.** Blatnička, Milejovské louky meadows (104), 16.viii.2009, 4 ♂♂ 2 ♀♀, P. Baňář lgt. et det. (MMBC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), pasture above the orchard, on *Echium vulgare*, 8.viii.2007, 1 ♀ 1 exuvia, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Unexpectedly rare, collected only in the central parts of the area. **General distribution:** Holopalaeartic, found also in Canada (introduced?). **Biology and habitat:** On Boraginaceae (*Echium vulgare*, rarely *Anchusa officinalis*, *Cynoglossum officinale*, *Symphytum*) in dry places. Very common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Dictyla humuli* (Fabricius, 1794)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Boršice [u Blatnice] (towards Hluk) (105).

**Material examined.** Valašské Klobouky, Suchý vrch hill (24), on *Symphytum officinale*, 21.v.1999, 1 ♂, M. Horský & P. Kment lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 4 ♂♂ 7 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Strání, village (147), 16.v.1998, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Dolní Mlýn (195), on *Symphytum officinale*, 11.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kejda pond (196), on *Symphytum officinale*, 14.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 2 ♂♂ 2 ♀♀, 14.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 28.vii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♀, Z. Malinka lgt. (ZMOC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.iv.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC); 18.iv.2000, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 25.vi.–15.vii.2009, Mt, 3 ♂♂ 4 ♀♀, 15.vii.–6.viii.2009, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♂, 25.vi.–15.vii.2009, Mt, 5 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 30.vi.2008, 1 ♀, E. Ezer lgt. (EEZC). Javorník, railway station (237), under *Echium vulgare*, 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 16 ♂♂ 14 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, rare in the northern and central parts. **General distribution:** Eurosiberian.

**Biology and habitat:** On *Symphytum officinale*, rarely also on *Echium vulgare*, preferring humid habitats (wet meadows, shores of waters), rarely in drier places. Very common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Dictyonota strichnocera* Fieber, 1844**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245); Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♂♂, P. Kment & I. Malenovský lgt., 21.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), 24.vi.2011, 1 ♂, E. Ezer lgt. (EEZC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 2 ♂♂ 1 ♀, P. Kment lgt., 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the southern part of the area, preferring warm sites. **General distribution:** European and central Asiatic. **Biology and habitat:** On *Cytisus scoparius*, *Genista germanica* and *G. tinctoria*

in xerothermic localities, absent from mountain areas. Widespread, not rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Elasmotropis testacea testacea* (Herrich-Schaeffer, 1830)**

**Published record.** STEHLÍK (2002): Boršice [u Blatnice] (towards Hluk) (105).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected in the course of the recent survey. **General distribution:** West Palaearctic. **Biology and habitat:** On *Echinops sphaerocephalus* in xerothermic, open, often ruderal habitats, mostly in warm lowlands. Not rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** Regarded as an alien species in the fauna of the Czech Republic, although its occurrence in the country is documented since the 19th century (KMENT 2006).

***Galeatus maculatus* (Herrich-Schaeffer, 1838) (VU)**

**Material examined.** Lipov, Pešunk (100), 10.vii.2009, 1 spec. (br), E. Ezer lgt. (EEZC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one xerothermic site in the southern part of the area. **General distribution:** European. **Biology and habitat:** On *Hieracium pilosella*, rarely also on other plants, in xerothermic localities, mostly on sandy or rocky substrates. In Moravia restricted to the Pannonicum, rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** Vulnerable.

***Galeatus sinuatus* (Herrich-Schaeffer, 1838)**

**Published record.** STEHLÍK (2002): Bylnice, Bylnický potok brook, Na Tatrách [= Bylničky, Tarandové hill] (80).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not found in the course of the recent survey. **General distribution:** European, extending to Kazakhstan. **Biology and habitat:** On Lamiaceae (*Phlomis*, *Lamium*, *Ballota*, *Salvia*) in xerothermic habitats on sands or limestone. Very rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** The three males collected near Bylnice in 1982 represent the only record for the Czech Republic so far (STEHLÍK 2002).

***Kalama tricornis* (Schrank, 1801)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 25.viii.–23.ix.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Uhlíčky (44), 4.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 2 ♂♂, P. Chvojka, J.

Ježek & J. Macek lgt. (NMPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt., 24.vii.–22.viii.2003, pt, 2 ♂♂, K. Resl lgt. (PKPC). Horní Němčí, Vinohrádky (121), 22.v.–22.vi.2003, pt, 2 ♂♂, 22.vi.–24.vii.2003, pt, 3 ♂♂ 2 ♀♀, 22.viii.–27.ix.2003, pt, 16 ♂♂ 11 ♀♀, K. Resl lgt. (PKPC). Březová, spring fen 600 m SE below Studený vrch hill (138), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 26.vii.–26.viii.2005, pt, 2 ♂♂ 1 ♀, 26.viii.–28.ix.2005, pt, 2 ♀♀, K. Resl lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 17.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂, 1.x.2004, 1 ♂, I. Malenovský lgt., 6.viii.–8.ix.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.x.2004, 1 ♂, 27.vii.2005, 2 ♂♂, 1.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 1 ♂ 1 ♀, I. Malenovský lgt. (KHMC, PKPC); 20.vii.2002, 2 ♂♂, I. Malenovský lgt., 22.vi.–24.vii.2003, pt, 5 ♂♂ 1 ♀, 24.vii.–22.viii.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♀, I. Malenovský lgt., 22.viii.–27.ix.2003, pt, 2 ♀♀, K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** Polyphagous phytophage. Euryecious, in xerothermic to moister, open habitats, although preferring dry sites. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Lasiacantha capucina capucina* (Germar, 1837)

**Published record.** HOBERLANDT (1942, misidentified as *L. gracilis*): Javorník (7171).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey. **General distribution:** West Eurosiberian. **Biology and habitat:** On and under *Thymus*, especially *T. serpyllum*, predominantly in xerothermic localities (sands, dry grassland on limestone), rarely on moist sites. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### [*Lasiacantha gracilis* (Herrich-Schaeffer, 1830)]

**Published record.** HOBERLANDT (1942): Javorník (7171).

**Comments.** STEHLÍK (2002) corrected the misidentification by HOBERLANDT (1942) to *L. capucina*. There is no confirmed record of *L. gracilis* for Moravia (STEHLÍK 2002).

#### *Oncochila scapularis* (Fieber, 1844)

**Published record.** STEHLÍK (2002): Bylnice, Bylnický potok brook, Na Tatrách [= Bylničky, Tarandové hill] (80).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 28.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♂♂, P. Kment lgt., 21.vii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♀, J. Ch. Vávra lgt. (OMOC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to xerothermic localities throughout the area. **General distribution:** South Eurosiberian. **Biology and habitat:** On *Euphorbia* (*E. cyparissias*, *E. sequeirana*) in xerothermic localities; absent from mountain areas. Not rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Physatocheila costata* (Fabricius, 1794)

**Material examined.** Radějov, Měsíční údolí valley (214), 8.ix.1998, on *Alnus* sp., 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two sites in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Alnus* (*A. glutinosa*, *A. incana*, *A. viridis*) in floodplain forests and vegetation along streams and ponds. Rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Physatocheila dumetorum* (Herrich-Schaeffer, 1838)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley, along railway (28), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 5 ♂♂ 2 ♀♀ 1 L, P. Kment lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♀, P. Kment lgt., 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 19.vi.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC, VURV); 24.vii.2000, 2 ♂♂, I. Malenovský lgt., 9.–10.ix.2000, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 17.ix.2004, 1 ♂, M. Horsák lgt. (MHBC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., 10.ix.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 5.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), beating of *Crataegus* sp., 8.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** South Eurosiberian. **Biology and habitat:** On woody Rosaceae (*Prunus*, *Pyrus*, *Crataegus*). Euryecious, preferring warm sites, absent from mountain areas. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Physatocheila harwoodi* China, 1936****(Fig. 2)**

**Material examined.** Sidonie, Sidonie NR (87), 5.–25.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Nové Zámky (6268), under bark of *Acer pseudoplatanus*, 19.x.2007, 1 ♂, F. Štáhlavský lgt. (NMPC). Adamov (6665–66, 6765–66), 17.ii.2004, 1 ♂ 1 ♀, R. Schles lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one locality in the northern part of the area. **General distribution:** Central European; known from Austria, Czech Republic, France, Great Britain, Germany, Italy, ?Poland, Slovenia, and Switzerland (PÉRICART & GOLUB 1996, DI GIULIO *et al.* 2000, LIS 2001). **Biology and habitat:** On *Acer*, especially on *A. pseudoplatanus*; adults overwinter under scales of the bark. Rare, mostly occurring at medium and high elevation (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** There has been only a single record of *P. harwoodi* from the Czech Republic, two specimens collected in 1988 in Lednice (71–7266) in southern Moravia (LIS 2001). We provide here additional records for Moravia.

***Tingis (Neolasiotropis) pilosa* Hummel, 1825**

**Material examined.** Valašské Klobouky, Královce hill (33), on *Galeopsis speciosa*, 17.viii.2006, 6 ♂♂ 8 ♀♀ 4 L, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 29.viii.2005, 1 spec., M. Horský lgt. (MHBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holopalaeartic. **Biology and habitat:** On Lamiaceae (especially *Lamium album*, *L. purpureum* and *Galeopsis tetrahit*). Mesophilous, often in shaded habitats, such as the vegetation along streams and ponds, in forest clearings and along forest margins, floodplain forests, as well as in dry and sunny ruderal sites with the host plants. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** *Galeopsis speciosa* is confirmed here as a host plant of *T. pilosa*.

***Tingis (Tingis) ampliata* (Herrich-Schaeffer, 1838)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). STEHLÍK (2002): Slavičín, 200 m W of the village (69); Horní Němčí, Hornoněmčanský háj forest (169); Javorník, Výzkum hill (258).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 20.v.1999, 5 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 3.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Louka, Hloží NR (106), 24.iv.1999, 1 ♂, M. Horský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 1 ♀, P. Kment & I.



Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Cirsium* (especially *C. arvense*, also *C. palustre* and *C. vulgare*), mostly in humid sites (shores of bodies of water, floodplain forests, wet meadows). Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

### *Tingis (Tingis) auriculata* (A. Costa, 1847)

**Material examined.** Horní Němčí, Vinohrádky (121), 23.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 27.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected on xerothermic sites in the south and centre of the area. **General distribution:** West Palaearctic, introduced to the USA. **Biology and habitat:** On Apiaceae (especially *Daucus carota* and *Torilis arvensis*). A thermophilous species, often occurring in ruderal sites. Rare (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia, *T. auriculata* has been discovered only recently in the Pavlovské kopce hills (7165) by STEHLÍK (2002) and subsequently it has been recorded from several additional localities in southern Moravia, evidently spreading northwards (BRYJA *et al.* 2002, MALENOVSKÝ *et al.* 2011).

### *Tingis (Tingis) cardui* (Linnaeus, 1758)

**Published records.** STEHLÍK (2002): Bánov (7072); Horní Němčí (7071); Radějov (7170).

**Material examined.** Poteč, Ploščiny NR (42), 1.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 21.v.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, 3.–22.vi.2009, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaearctic. **Biology and habitat:** On *Cirsium* (*C. vulgare*, *C. palustre*), more rarely on *Carduus* (*C. acanthoides*, *C. nutans*, *C. crispus*). Euryecious, often in ruderal sites. Very common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Tingis (Tingis) crispata* (Herrich-Schaeffer, 1838)**

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.iv.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, railway station (237), 9.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** South Eurosiberian. **Biology and habitat:** On *Artemisia vulgaris* and *A. absinthium*. In xerothermic, rarely also slightly humid localities, especially on sandy substrates. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

***Tingis (Tropidocheila) reticulata* Herrich-Schaeffer, 1835**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 11.ix.2011, 1 ♀, E. Ezer lgt. (EEZC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 21.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 200 m NW of the top (209), 13.ix.2004, 1 ♀, M. Horský lgt. (MHBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but rare. **General distribution:** West Eurosiberian. **Biology and habitat:** On *Ajuga reptans*; both larvae and adults were also found on *Verbascum*. Euryecious, with a preference for more humid, often shaded, habitats, e.g. shores of ponds and banks of rivers, forest clearings and floodplain forests. Common (STEHLÍK 2002, WACHMANN *et al.* 2006). **Red List status:** –.

**Family MIRIDAE**

***Acetropis (Acetropis) carinata* (Herrich-Schaeffer, 1841)**

**Material examined.** Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♀, 23.v.2002, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 24.v.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 23.v.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, found only in the environs of Strání and Javorník. **General distribution:** European, extending to Maghreb, Anatolia and Kazakhstan. **Biology and habitat:** On Poaceae, preferring dry and open habitats (sands, pastures), less frequently in half-shade, e.g. in open pine forests. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

***Acetropis (Acetropis) longirostris* Puton, 1875**

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂, 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC).

**Additional material examined. MORAVIA:** Bransouze env., alluvium of Jihlava river, meadows between Bransouze and Dolní Smrčné (6660), 2.vi.2011, 1 ♂ 3 ♀♀ (1 ♂ 1 ♀ observed sucking on *Alopecurus pratensis*), P. Kment lgt. (PKPC). Dačice – Toužín, Toužínské stráně NM (6958), 23.v.2008, 2 ♂♂ 1 ♀ (freshly hatched), 7.vi.2008, 1 spec. (freshly hatched), 14.vi.2009, 2 ♀♀, A. Lacina lgt. (ALDC, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two sites in north and centre of the area with Malaise traps. **General distribution:** East European-Kazakh species, expanding to Pannonicum. **Biology and habitat:** On *Alopecurus pratensis* (KOPPÁNYI 1965, ŠTYS 1974, WACHMANN *et al.* 2004; this paper). In open to half-shaded, dry to quite humid meadows, especially along rivers; also in salt marshes (WACHMANN *et al.* 2004, HRADIL *et al.* 2008). In Moravia, it seems to prefer higher altitudes (BRYJA & KMENT 2002, HRADIL *et al.* 2008). **Red List status:** –.

**Comments.** A recently expanding species in Moravia. Its distribution was reviewed by BRYJA & KMENT (2002) and HRADIL *et al.* (2008), with an additional locality, Ostrava – Hrabová (6275), given by ROHÁČOVÁ (2011). Here we document its further spreading; the records from the environs of Dačice and Ostrava represent the westernmost and northernmost records of the species, respectively, indicating it may spread further to the west into Bohemia and to the north into Poland in a near future.

### *Adelphocoris lineolatus* (Goeze, 1778)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráně NR (54).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, 23.vi.–16.vii.2008, Mt, 1 ♂, 4.–25.viii.2008, Mt, 2 ♂♂ 1 ♀, 25.viii.–23.ix.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Poteč, Ploštiny NR (42), 24.viii.2002, 1 ♀, 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt., 28.vii.2005, 1 ♂ 3 ♀♀, 4.ix.2005, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Nedašov, pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráně NR (54), 25.viii.2002, 1 ♀, P. Kment lgt., 30.vi.2004, 1 ♀, 1.ix.2004, 8 ♂♂ 9 ♀♀, 28.vii.2005, 1 ♂, I. Malenovský lgt., 16.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráně NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 4 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 12.vii.2006, 1 spec., P. Kment observ. Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♂♂ 1 ♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice (78), 12.ix.1978, 1 ♀, B. Dobšík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., 11.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ 1 ♀, 10.vii.2009, 1 spec., Z. Malinka lgt. (ZMOC). Hluk, Kobyly hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 8 ♂♂ 9 ♀♀, 11.vii.2009, 4 ♂♂ 7 ♀♀, P. Baňaf lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 3 ♀♀, I. Malenovský & M. Omesová lgt., 30.vi.2001, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 3 ♂♂ 1 ♀, 21.ix.2001, 1 ♀, P. Kment lgt., 21.vii.2002, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 2 ♂♂, 10.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 3 ♀♀, P. Lauterer, J. Stehlík & P. Raus lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 2

♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂ 3 ♀♀, 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vyskovecké Bošacky, cattle pasture (179), 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 6 ♂♂ 7 ♀♀, I. Malenovský lgt. (PKPC). Vyskovecké Bošacky, meadow and orchard (180), 19.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 26.vi.–14.vii.2008, Mt, 1 ♂, 14.vii.–5.viii.2008, Mt, 2 ♂♂, 5.–26.viii.2008, Mt, 2 ♂♂, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 2 ♂♂, P. Kment lgt., 27.vi.2002, 3 ♀♀, I. Malenovský lgt., 17.viii.2002, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 12.viii.–9.ix.2010, Mt, 10 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂, P. Kment lgt., 18.vi.2000, 2 ♂♂ 7 ♀♀, I. Malenovský lgt., 8.vii.2000, 1 ♀, P. Kment lgt., 27.vii.2000, 3 ♀♀, I. Malenovský lgt., 4.viii.2000, 2 ♀♀, 16.viii.2000, 5 ♂♂ 3 ♀♀, 22.vi.2001, 1 ♂, 28.vii.2001, 1 ♂, 17.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 6 ♂♂ 1 ♀, 9.–12.vii.2009, 1 ♂, Z. Malinka lgt. (ZMOC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC); along road to Radějov, 16.viii.2009, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 2 ♂♂, P. Kment lgt., J. Bryja det., 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., 24.vii.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂ 3 ♀♀, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.2008, 1 ♂, Z. Malinka lgt. (ZMOC); 2.–25.vi.2009, Mt, 1 ♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 2 ♂♂, 6.–24.viii.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♂ 1 ♀, 27.vii.2005, 1 ♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♀, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 3 ♀♀, P. Kment lgt., 1.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♂ 1 ♀, 1.ix.2005, 1 ♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 3 ♂♂, 25.vi.–15.vii.2009, Mt, 4 ♂♂, 5.–24.viii.2009, Mt, 6 ♂♂, 24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♂, P. Kment lgt., 17.vii.2002, 3 ♂♂ 2 ♀♀, 7.ix.2002, 2 ♂♂ 4 ♀♀, 2.ix.2004, 11 ♂♂ 6 ♀♀, 27.vii.2005, 1 ♂ 1 ♀, 1.ix.2005, 5 ♂♂ 11 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 2 ♂♂, 23.ix.2001, 3 ♀♀, P. Kment lgt., 23.vi.2004, 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 4 ♀♀, 20.vii.2002, 1 ♂ 1 ♀, 12.ix.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt., 22.vi.–24.vii.2003, pt, 1 ♀, K. Resl lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 9.viii.2001, 1 ♀, P. Kment lgt., 21.ix.2001, 1 ♀, 12.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC); 9.vii.–12.viii.2010, Mt, 2 ♂♂, 12.viii.–9.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♀, 6.–24.viii.2009, Mt, 3 ♂♂ 2 ♀♀, 24.viii.–17.ix.2009, Mt, 3 ♂♂ 2 ♀♀, 17.ix.–21.x.2009, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaearctic, introduced to North America. **Biology and habitat:** On Fabaceae (*Medicago*, *Trifolium*, *Ononis*, *Lathyrus*, *Astragalus*). Euryecious, in xerothermic as well as mesic, rarely also humid, habitats, including ruderal sites. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Adelphocoris quadripunctatus* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice (78), 6.ix.1978, 1 ♀, B. Dobšík lgt. (MMBC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Lipov, Pešunk (100), 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 5 ♂♂ 1 ♀ 1 L, P. Lauterer & J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Urtica dioica*, rarely also on other plants. In places with humid microclimate, such as forest edges and clearings. Common (WACHMANN *et al.* 2004). **Red List status:** –.

*Adelphocoris reichelii* (Fieber, 1836)

(VU)

**Published record.** STEHLÍK (1948): “Korytná 1944 (lgt. V. Lang)” (7071–72).

**Additional material examined. MORAVIA:** Životice (6474), 12.vii.1963, natural xerothermic grassland, 1 spec. (freshly hatched), L. Pospíšilová lgt. (MMBC). Loučka near Valašské Meziříčí (6572), sunny grassland below a forest, 400 m a.s.l., 15.viii.1963, 8 ♂♂ 11 ♀♀, L. Pospíšilová lgt. (MMBC, NMPC). Pustiměř (6668), W of the village, “Vinohrady”, 350 m a.s.l., 22.vii.1966, 1 ♂, I. Vavřínová lgt. (MMBC). Brno, Kníničská přehrada dam (6765), 8.viii.1957, 1 ♀, P. Lauterer lgt. (MMBC). Archlebov (6967–68), meadows, forest margins and undergrowth, 4.viii.1970, 3 ♂♂, J. L. Stehlík lgt. (MMBC). Žarošice (6976), 8.viii.1962, 5 ♂♂ 4 ♀♀ (2 ♂♂ freshly hatched), P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected in the course of the recent survey. **General distribution:** Eurosiberian. **Biology and habitat:** On *Melampyrum* (especially *M. pratense*), more rarely on various Fabaceae. Preferring half-shaded forests, forest edges and sparse shrubberies. Rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In Moravia known only from Kelč (6572) (STEHLÍK 1946a), Uherské Hradiště (6970), Míkovice (6971), Bořetice (7067) (HOBERLANDT 1947), Kobyly (7067) and Korytná (STEHLÍK 1948). We do not register any additional Moravian record after 1970. The localisation of the single White Carpathian record is problematical, as the labels by Veleslav Lang stating “Korytná” correspond to material sampled by him in August 12–15, 1944 in several localities: Porážky NNR, Lesná hill, Studený kopec hill near Suchá Loz, the environs of the current Kalábová NM near Březová, and Lipiny forest near Korytná (LANG 1945; I. Malenovský, pers. comm.).

*Adelphocoris seticornis* (Fabricius, 1775)

**Published records.** STEHLÍK (1948): Korytná (7071–72). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 5 ♂♂, 16.vii.–4.viii.2008, Mt, 1 ♂, 25.viii.–23.ix.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 3 ♂♂ 4 ♀♀, M. Horsák & P. Kment lgt. (MUBC, PKPC); 9.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský

lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 1 ♀, 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 2 ♂♂, I. Malenovský lgt., 28.vii.2005, 1 ♀, 4.ix.2005, 3 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 14.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 25.viii.2002, 2 ♀♀, P. Kment lgt., 1.ix.2004, 1 ♂ 3 ♀♀, 28.vii.2005, 1 ♂ 5 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt., 1 ♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Hostětín (70), 10.viii.1970, 1 ♀, L. Pospíšilová lgt. (MMBC). Pitín (72), 20.vii.1957, 1 ♂, Ondřej lgt. (MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 2 ♂♂ 3 ♀♀, 2.ix.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt., 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 18.viii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt., 12.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 2 ♂♂, P. Kment & M. Omesová lgt., 11.ix.1999, 1 ♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 7 ♂♂ 6 ♀♀, 5.x.2004, 2 ♂♂ 1 ♀, 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♀, 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 5 ♂♂ 2 ♀♀, 11.vii.2009, 4 ♂♂ 4 ♀♀, P. Baňář lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♂♂, P. Lauterer lgt. (MMBC). Korytná (115), 23.vii.1951, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 21.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 1 ♀, P. Raus & J. L. Stehlík lgt. (MMBC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 4 ♀♀, 8.viii.2007, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♂ 1 ♀, P. Kment lgt., 3.ix.2005, 6 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 27.vi.2004, 2 ♂♂, I. Malenovský lgt., 19.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Petrov [as Pavlov u Radějova] (182), vi.1946, 1 ♂ 1 ♀, Raušer (MMBC). Petrov, Chorvátky (185), 19.viii.2002, 3 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♂, 9.–12.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det., 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det., 19.vi.2000, 2 ♂♂ 5 ♀♀, I. Malenovský lgt., 18.viii.2000, 8 ♀♀, P. Kment lgt., 10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 5 ♂♂, 15.vii.–5.viii.2009, Mt, 4 ♂♂, 24.viii.–14.ix.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 1 ♂,

#### True bugs (Hemiptera: Heteroptera)

24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ 1 ♀, 7.ix.2002, 3 ♂♂ 7 ♀♀, 2.ix.2004, 2 ♂♂ 2 ♀♀, 1.ix.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 2 ♂♂ 1 ♀, 23.ix.2001, 3 ♀♀, P. Kment lgt., 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., 7.ix.2002, 1 ♂, 23.vi.2004, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 1 ♂, I. Malenovský lgt., 9.viii.2001, 2 ♂♂, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 9.viii.2001, 2 ♀♀, P. Kment lgt., 21.ix.2001, 1 ♀, 12.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC); 12.viii.–9.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On Fabaceae (*Lathyrus*, *Vicia*, *Astragalus*, *Trifolium*, *Medicago*, *Lotus*, *Anthyllis*, *Ononis*). In open, warm habitats, including ruderal sites. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Adelphocoris vandalicus* (Rossi, 1790)

**Material examined.** Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 25.viii.2002, 1 ♀, P. Kment lgt., J. Bryja det., 1.ix.2004, 1 ♀, 28.vii.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 6 ♂♂ 3 ♀♀, 11.vii.2009, 1 ♂ 7 ♀♀, P. Baňaf lgt. et det. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂, P. Kment lgt., 28.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♂ (freshly hatched), Z. Malinka lgt. (ZMOC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to xerothermic localities throughout the area. **General distribution:** North Mediterranean, extending to central Europe and Maghreb, and Central Asiatic. **Biology and habitat:** A polyphagous phytophage, probably even zoophytophagous. In xerothermic habitats. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia listed for the first time by SPITZNER (1892), without exact locality. Later recorded from Mohelno (6863), Chvojnice river valley near Kuroslepy (6863) (STEHLÍK 1948), and 16 additional localities within the Pannonicum (BRYJA *et al.* 2002, MALENOVSKÝ *et al.* 2011). In addition, there are two more records from north-eastern Moravia: Ostrava (Slezská Ostrava, Štěpánův sad park at Zárubek mine, 6175) (DOBŠÍK & KEMPŇÝ 1968) and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

#### *Agnocoris reclairei* (Wagner, 1949)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, between village and Drahy NR (114), on *Salix fragilis*, 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 2 ♀♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Malá

Vrbka, between village and Výzkum hill (205), 18.vi.2000, 2 ♂♂ 3 ♀♀, 28.vii.2001, on *Salix fragilis*, 2 ♂♂ 1 ♀, 13.viii.2001, on *Salix fragilis*, 1 ♂, P. Kment lgt., J. Bryja det. (JBSC, PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** North Mediterranean, extending to western and central Europe and Iran. **Biology and habitat:** Probably zoophytophagous. Found on *Salix*, especially *S. alba*. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Štramberk (Kotouč hill, 6474) (ROUBAL 1956, as *Lygus reclairi*), Polanka nad Odrou (6275) (BRYJA & KMENT 2001), Budkovice (6964) (BRYJA *et al.* 2002), and Blučina (Výhon hill, 6965) (MALENOVSKÝ *et al.* 2011).

#### *Agnocoris rubicundus* (Fallén, 1807)

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in a single locality in the southern part of the area with Malaise trap. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** Probably zoophytophagous. Found on *Salix* (*S. alba*, *S. caprea*) and also on *Populus alba*, rarely on other shrubs and trees (*Buxus*, Cupressaceae). Widespread, not rare (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Brunn [= Brno] (6765–66, 6865–66) (SPITZNER 1892), Brno – Černá Pole (6765), Milonice (6868) (STEHLÍK 1998a), and Polanka nad Odrou (6275) (BRYJA & KMENT 2001).

#### *Alloeotomus germanicus* Wagner, 1939

**Material examined.** Hostětín (70), 10.viii.1970, 1 ♀, L. Pospíšilová lgt. (MMBC). Horní Němčí, Drahý NR (117), on *Pinus sylvestris*, 21.ix.2001, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 3 ♂♂, P. Kment lgt., J. Bryja det. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♂ 1 ♀, 24.viii.–14.ix.2009, Mt, 2 ♂♂, 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, loampit (235), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., J. Bryja det. (JBSC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected mostly in the southern part of the area. **General distribution:** European, extending to Anatolia. **Biology and habitat:** Zoophagous. On *Pinus*, especially *P. sylvestris*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The Moravian records of *A. germanicus* were reviewed by STEHLÍK (1973), with additions by BRYJA & KMENT (2001, 2006a) and MALENOVSKÝ *et al.* (2011).

#### *Alloeotomus gothicus* (Fallén, 1807)

**Material examined.** Nedašov, Jalovcová stráň NR (54), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, Mikulčin vrch hill (160), 17.vii.1964, 1 ♂, L. Pospíšilová lgt. (MMBC). Radějov, Holý vrch



hill (189), 4.vii.1977, 1 ♀, L. Pospíšilová lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European, extending to Anatolia. **Biology and habitat:** Zoophagous. On *Pinus*, especially *P. sylvestris*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the Oslava river valley near Březník (6863) (STEHLÍK 1945b, as *Deraeocoris kratochvili*). The record from the Polish side of the Gl. Schneeberg [= Mt. Králický Sněžník] (5766–67) by POLENTZ (1944) needs a revision.

### *Amblytulus nasutus* (Kirschbaum, 1856)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 2 ♀♀, M. Horský & P. Kment lgt. (PKPC). Poteč, Ploščíny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 4 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 21.v.1999, I. Malenovský & T. Vymyslický lgt., 1.vii.1999, 5 ♂♂ 1 ♀, P. Kment & M. Omesová lgt., 11.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt., J. Bryja revid. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 6 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja revid. (PKPC). Strání, Důbrava (150), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 27.vi.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂ 1 ♀, 4.–26.vi.2008, Mt, 3 ♂♂ 2 ♀♀, 14.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♂, P. Lauterer lgt. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 88 ♂♂ 69 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 3 ♂♂ 6 ♀♀, I. Malenovský lgt., 22.vi.2001, 17 ♂♂ 16 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 2 ♂♂ 1 ♀, 27.vi.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 1 ♀, P. Lauterer lgt. (MMBC). Radějov, Kůtky NR (217), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kůtky NR (218), 4.–26.vi.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 2 ♂♂ 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 24.v.2002, 1 ♂ 1 ♀, 23.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 1 ♂ 1 ♀, I. Malenovský lgt., J. Bryja revid. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 4 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** European, extending to Maghreb and Anatolia; introduced to

North America. **Biology and habitat:** On Poaceae (*Poa pratensis*, *Agrostis*). In dry as well as slightly humid, open habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Apolygus limbatus* (Fallén, 1807)

**Material examined.** Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected at one submontane site only. **General distribution:** Eurosiberian. **Biology and habitat:** On broad-leaved *Salix* species (*S. cinerea*, *S. caprea*, *S. aurita*), rarely on narrow-leaved species (*Salix purpurea*) or *Populus*. Preferring medium and higher altitudes. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Apolygus lucorum* (Meyer-Dür, 1843)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Hostětín (70), 10.viii.1970, 1 ♀, L. Pospíšilová lgt. (MMBC). Bylnice (78), 6.ix.1978, 1 ♂ (freshly hatched), B. Dobšík lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt.; 11.ix.1999, 4 ♂♂ 2 ♀♀, I. Malenovský & T. Výmyslický lgt. (PKPC). Sidonie (88), 8.ix.1981, 1 ♀, L. Pospíšilová lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 5 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♀♀ 1 L, J. L. Stehlík lgt. (MMBC). Lopeník (152), 8.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Výškovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 2 ♂♂ 4 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, valley of Járkovec brook (201), 17.viii.2000, sweeping of *Urtica* sp., 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂, I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 24.viii.–16.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 2.–22.viii.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, introduced to North America. **Biology and habitat:** A polyphagous phytophage (e.g. on *Artemisia*, *Eupatorium*, *Chrysanthemum*, *Tanacetum*, *Cirsium*, *Epilobium*, and *Urtica*). In dry to humid, open habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Apolygus rhamnicola* (Reuter, 1885)

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Popov (71), 6.viii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at three sites only. **General distribution:** European. **Biology and habitat:** On fruiting *Frangula alnus* in humid, open forests, along forest edges and on banks of streams, preferring medium and higher altitudes. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded only from Rejchartice (5967) by STEHLÍK (1961) and Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 2007a,b).

### *Apolygus spinolae* (Meyer-Dür, 1841)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, 4.–25.viii.2008, Mt, 2 ♂♂, 25.viii.–23.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 2 ♂♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., J. Bryja det. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det., 30.vi.2001, 1 ♂ 1 ♀, I. Malenovský & P. Kment lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 31.vii.–21.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 12.viii.–9.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 24.viii.–16.ix.2009, Mt, 1 ♂ 3 ♀♀, 16.ix.–21.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 5 ♂♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♂ 1 ♀, 10.viii.–7.ix.2010, Mt, 4 ♂♂ 3 ♀♀, 7.ix.–21.x.2010, Mt, 4 ♂♂ 4 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 10.ix.–3.x.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part, rare in the northern and central parts of the area. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** Mostly on *Urtica dioica* in half-shaded to open, relatively moist habitats, such as forest edges and clearings. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Atomoscelis onusta* (Fieber, 1861)

**Material examined.** Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Bílovice nad Svitavou, Hádecká planinka NNR (6766), 9.ix.1997, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Havraníky (7161–62), steppe, 29.vii.1970, 4 ♂♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Mikulov, Turoid NR (7165), 21.ix.1962, 1 ♂, 10.x.1962, 1 ♀, P. Lauterer lgt. (MMBC). Mikulov, Svatý kopeček NR (7165), 22.vi.1954, 3 ♂♂ 12 ♀♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only once in the southern part of the area with a Malaise trap. **General distribution:** Holopalaeartic, extending to West Sahara, introduced to North America. **Biology and habitat:** On Amaranthaceae (e.g. *Atriplex* spp., *Chenopodium* spp., *Salsola kali*) and Asteraceae (*Artemisia* spp.) in saline and ruderal habitats. Rare, although sometimes common in suitable sites (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded from Brno (Stránská skála hill, 6866 – STEHLÍK 1946b; ruderal areas in the city, 6765–66, 6865–66 – RAUS 1990), and Budkovice (6964) (BRYJA *et al.* 2002).

#### *Atractotomus kolenatii* (Flor, 1860)

**Material examined.** Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, on conifers, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two localities, one in the northern and one in the southern part of the area. **General distribution:** Eurosiberian; North America (perhaps introduced). **Biology and habitat:** On conifers, predominantly on *Picea abies*, also on *Pinus sylvestris*, *Abies alba*, and *Larix decidua*. In medium and higher altitudes. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from the Hrubý Jeseník Mts. (Opavice, 5870) (STEHLÍK 1952) and the Rychlebské hory Mts. (Homole [= Mt. Strážišť], 5667; Plesnivec [Mt.], 5667) (ŠTYS 1959).

#### *Atractotomus magnicornis* (Fallén, 1807)

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja revid. (JBSC, PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 2 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, village (147), on *Picea abies*, 2.vii.2001, 7 ♂♂ 5 ♀♀, 9.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, 4.–26.vi.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 8 ♂♂ 18 ♀♀, J. L. Stehlík & L. Pospíšilová lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, on *Picea abies* and *Pinus sylvestris*, 2 ♂♂, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek

#### True bugs (Hemiptera: Heteroptera)

& J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), at railway station, on *Picea abies*, 29.vi.2001, 3 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 3 ♂♂ 1 ♀, 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, introduced to North America. **Biology and habitat:** Zoophytophagous. On conifers, predominantly on *Picea abies*, but also on *Pinus*, *Abies*, *Larix*, *Juniperus*, or even imported *Thuja*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Atractotomus mali* (Meyer-Dür, 1843)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 8 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂ 4 ♀♀, M. Horsák & P. Kment lgt. (PKPC, VURV). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 4 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Nedašov, Na Kopicách, brook (89), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, 25.vi.–15.vii.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 1 spec., P. Lauterer lgt. (MMBC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 7 ♂♂ 3 ♀♀, 18.vi.–9.vii.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 3 ♂♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, extending to the Near East; introduced to North America. **Biology and habitat:** Zoophytophagous. On shrubs and trees of Rosaceae, especially *Malus* and *Crataegus*, but also *Pyrus*, *Prunus*, *Sorbus*, and rarely on *Rubus* and *Rosa*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Blepharidopterus angulatus* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Poteč, Ploščíny NR (42), 13.ix.1999, 4 ♀♀, I. Malenovský & T. Vymyslický lgt.,

J. Bryja det. (MHBC, PKPC); 17.viii.2006, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ 1 L, J. L. Stehlík lgt. (MMBC). Bylnice, railway station environs (83), 11.ix.1999, 5 ♀♀, I. Malenovský & T. Výmyslický lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♀, L. Pospíšilová lgt. (MMBC). Svatý Štěpán, Chladný vrch NM (93), 11.viii.–8.ix.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Korytná, Břeží (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, on *Alnus incana*, 1 ♂, 21.ix.2001, 4 ♀♀, P. Kment lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), on *Salix caprea*, 18.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, village (206), on *Tilia* sp., 17.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 2 ♂♂, P. Kment lgt., 28.vii.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 24.ix.–28.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), on *Betula* sp., 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), on *Fraxinus excelsa*, 8.viii.2001, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 24.viii.–16.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 spec., P. Kment observ. Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♂♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 4 ♂♂ 1 ♀, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, 7.ix.–21.x.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 9.viii.2001, on *Alnus glutinosa*, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Maghreb, Central Asiatic, and Nearctic (perhaps introduced). **Biology and habitat:** Mostly zoophagous. On deciduous trees, most often on *Alnus* and *Betula*, but also on *Corylus*, *Fraxinus*, *Ulmus*, *Tilia*, *Salix*, *Populus*, *Carpinus*, and *Fagus*, preferring relatively humid, half-shaded habitats, but occurring also on solitary trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Blepharidopterus diaphanus* (Kirschbaum, 1856)

**Material examined.** Velká nad Veličkou, village (222), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in a single site in the southern part of the area. **General distribution:** Holarctic (Eurosiberian, Central Asiatic and Nearctic). **Biology and habitat:** Zoophytophagous. On various *Salix*, preferring narrow-leaved species (*S. alba*, *S. fragilis*), rarely also on *S. caprea*. In humid (e.g. floodplain forests), as well as quite dry habitats. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded only by STEHLÍK (1961, as *Orthotylus diaphanus*) from Žádlovice u Loštic (6267), Hranice (6472), Brno (Kníničská přehrada dam, 6765), and Dolní Věstonice (7165).

***Brachyarthrum limitatum* Fieber, 1858**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Additional material examined. MORAVIA:** Kuklík (6362), 15.vii.1982, 1 ♀, B. Dobšík lgt. (MMBC). Bělá u Jevíčka, Malonín (6365), 390–430 m a.s.l., 29.vi.1982, 3 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Horní Štěpánov, above valley of Usobranský potok brook (6466), wet meadows, 530 m a.s.l., 12.vii.1978, 2 ♀♀, L. Pospíšilová lgt. (MMBC). Domamil, pond 0.75 km NW of the village (6960), 500–510 m a.s.l., 29.vi.1981, 2 ♀♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one site in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Probably zoophytophagous. On *Populus tremula*. Very rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** There have been only two records published from Moravia so far: Vranov nad Dyjí (70–7160) (STEHLÍK 1978) and Čertoryje NNR in the Bílé Karpaty Mts. (KMENT 2001). We provide here additional data from Moravia.

***Brachycoleus decolor* Reuter, 1887**

(VU)

**Material examined.** Lipov, Pešunk (100), 10.vii.2009, 1 ♂, Z. Malinka lgt. (ZMOC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, mostly in xerothermic localities in the south of the area; the record from Pod Hřibovňou NM is quite exceptional for its high altitude (550–640 m a.s.l.). **General distribution:** South Eurosiberian. **Biology and habitat:** On Apiaceae, especially taller species (e.g. *Peucedanum oreoselinum*, *Pastinaca sativa*), but also on *Eryngium campestre*. In xerothermic habitats, especially dry grassland (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** Quite widespread in the Moravian thermophyticum, but only few records have been published so far – see a review in MALENOVSKÝ *et al.* (2011).

***Bryocoris (Bryocoris) pteridis* (Fallén, 1807)**

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ (ma) 2 ♀♀ (br), M. Horsák & P. Kment lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 2 ♂♂ 3 ♀♀ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀ (ma), M. Horsák & P. Kment lgt., 14.viii.2006, 1 ♀ (br), P. Kment lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 5 ♀♀ (br), Z. Malinka lgt. (NMPC, ZMOC). Komňa, Nový Dvůr (130), 6.vii.2001, 1 ♂ (ma) 1 ♀ (br), P. Kment lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 4 ♀♀ (br), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 12.viii.–9.ix.2010, Mt, 2 ♂♂ (ma), P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♂♂ (ma) 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 57 ♂♂ 11 ♀♀ (ma), 24.viii.–17.ix.2009, Mt, 3 ♂♂ (ma), 17.ix.–21.x.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in forests throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On Polypodiaceae, most often on *Dryopteris*, *Pteridium* and *Anthyrium*, in shaded, humid forest undergrowth, especially in deciduous forests. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Calocoris affinis* (Herrich-Schaeffer, 1835)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 2 ♀♀, P. Kment lgt. (PKPC); 4.–25.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 8 ♂♂ 2 ♀♀, M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 2 ♀♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (MHBC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 5 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Petrůvka, Kladenska brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Popov (71), 6.viii.1980, 1 ♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂ 3 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 2 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 1 spec., Z. Malinka lgt. (ZMOC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂ 1 ♀, P. Lauterer lgt., 1 ♀, J. L. Stehlík lgt. (MMBC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 4 ♂♂, L. Pospíšilová lgt., 1 ♀, J. L. Stehlík lgt. (MMBC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♀, 31.vii.–21.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 5 ♂♂ 4 ♀♀, L. Pospíšilová lgt., 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 5 ♂♂ 5 ♀♀, 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 4 ♂♂, I. Malenovský lgt., 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 3 ♂♂, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 18.vi.–9.vii.2007, Mt, 2 ♂♂, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 3 ♂♂, P. Kment & I. Malenovský lgt., 9.viii.2001, on flowers of Apiaceae, 2 ♀♀, P. Kment lgt. (PKPC); 9.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** European, extending to Maghreb. **Biology and habitat:** A polyphagous phytophage, mostly on *Urtica dioica*. It prefers humid, often shaded



habitats, such as forest clearings and the margins and banks of streams. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Calocoris alpestris* (Meyer-Dür, 1843)

**Material examined.** Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 1 ♂, 23.vi.–15.vii.2009, Mt, 4 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). **Additional material examined. MORAVIA:** Horní Lomná, Mionší NNR (6478), eastern slope, beech virgin forest, 14.vii.2001, 1 ♂, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only on the Velká Javorina Mt. **General distribution:** European (boreo-montane). **Biology and habitat:** A polyphagous phytophage. In partly shaded habitat with relatively humid microclimate, especially in tall herb communities. A mountain species, quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from the Hrubý Jeseník Mts.: Altvater [= Mt. Praděd] (5969) (ASSMANN 1854, STEHLÍK 1952), “Klein-Mohrathal in der Nähe des Grossen Kessels” [= Moravice valley near Velká Kotlina] (5969) (SPITZNER 1892, STEHLÍK 1952), Králický Sněžník Mts.: Saalwiesen bei Altstadt [= Salvíz near Polská hora Mt.] (5767) (SPITZNER 1892), and the Moravskoslezské Beskydy Mts.: Smrk NR (6476) (ROHÁČOVÁ 2001a).

### *Calocoris roseomaculatus roseomaculatus* (De Geer, 1773)

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Slavičín (69), 10.vii.1989, 1 ♂ 2 ♀♀, I. Vavřínová lgt. (MMBC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, L. Pospíšilová lgt., 2 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Korytná (115), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ 9 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 2 ♀♀, L. Pospíšilová & P. Lauterer lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Žitková (163), 11.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 14 ♂♂ 22 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, except its southernmost part. **General distribution:** European. **Biology and habitat:** A polyphagous phytophage, with a preference for Asteraceae. Euryecious, in xerothermic to humid, open to shaded habitats from lowlands to mountains. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Gesenke [= Hrubý Jeseník Mts.] (SPITZNER 1892), Uherské Hradiště (6970) (HOBERLANDT 1947), Třebíč (6760) (STEHLÍK 1948), Mohelno (6863) (ROUBAL 1968), Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 1985), and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

***Camptozygum aequale* (Villers, 1789)**

**Material examined.** Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC, PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Pinus sylvestris*, 19.vi.2000, 4 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian, introduced to North America. **Biology and habitat:** On *Pinus*, particularly *P. sylvestris*, rarely on *Picea*. Widespread, common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Brunn [= Brno] (6765–66, 6865–66), Gaya [= Kyjov] (6968) (SPITZNER 1892, as *Hadrodema pinastri*), Pocoucov (6761), Slavice (6861) (STEHLÍK 1944, 1948, as *C. pinastri*), Mohelno (6863) (STEHLÍK 1948, as *C. pinastri*), Jeseník nad Odrou (6373) (BRYJA & KMENT 2001), and Kurdějov (Kamenný vrch hill, 7066). Also recorded from the Polish side of the Gl. Schneeberg Mt. [= Mt. Králický Sněžník] (5766–67) (POLENTZ 1944, as *C. pinastri*).

***Campylomma annulicorne* (Signoret, 1865)**

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Havraníky, Pustý kopec hill (7162), steppe and ruderal habitats, 23.vii.1969, 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Klentnice – Perná (7165), 9.viii.1962, 6 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Pavlov, Pavlovský les forest (7166), 167 m a.s.l., 10.vii.1973, 1 ♂, J. L. Stehlík lgt. (MMBC). Pavlov, left bank of Dyje river (7166), meadows, 167 m a.s.l., 14.viii.1973, 1 ♀, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only at one site in the southern part of area with a Malaise trap. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On narrow-leaved, rarely on broad-leaved *Salix* spp. (*S. alba*, *S. viminalis*, *S. cinerea*, etc.), usually on river banks. Widespread, rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia, the species has been so far reported from Brno – Staré Černovice (6865), Klentnice (7165) (STEHLÍK 1962), the Poodří PLA: Jeseník nad Odrou (6373), Odra (Malý les forest, 6373) (BRYJA & KMENT 2001), and Brno (banks of the Leskava brook, 6865) (KMENT *et al.* 2005).

***Campylomma verbasci* (Meyer-Dür, 1843)**

**Material examined.** Horní Němčí, Drahy NR (117), on *Echium vulgare* at the road, 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Výškovecké Bošačky, cattle pasture (179), 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC); 27.vii.2000, 2 ♀♀, I. Malenovský lgt., 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♀, 10.ix.–3.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007,

Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, rare in the central part, missing in the northern part. **General distribution:** Holopalaeartic, introduced to North America. **Biology and habitat:** Zoophytophagous. On various herbs as well as deciduous trees, although perhaps most frequently found on *Verbascum* and various cultivated plants. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brünn [= Brno] (6765–66, 6865–66), Prossnitz [= Prostějov] (6568), Lultch [= Luleč] (6767) (SPITZNER 1892), Brno (Ráječek [= Černovický hájek NR], 6865), Kobylí (7067), Újezdec (6969), Vrbice (7067), Němčičky (7066), Bořetice (7067) (HOBERLANDT 1947), three localities in the Hrubý Jeseník Mts. (STEHLÍK 1952), Skalička (6472) (DOBŠÍK & URBAN 1981), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), Sviadnov (6275) (ROHÁČOVÁ & DROZD 2009), Újezd u Brna (Špice, 6866), Budkovice (Budkovické skály rocks, 6964), and Úvaly u Valtic (Kameníky, 7266) (MALENOVSKÝ *et al.* 2011).

#### *Campyloneura virgula* (Herrich-Schaeffer, 1835)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Kaňoury NM (55), 16.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenska brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, Mikulčin vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♀, L. Pospíšilová lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), on *Larix decidua*, 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** European and Holomediterranean, introduced to North America. **Biology and habitat:** Zoophagous, preying on psyllid larvae, aphids, mites, and other minute arthropods. On deciduous trees, especially on *Fraxinus excelsior*, but also on *Tilia*, *Corylus*, *Alnus*, *Crataegus*, *Carpinus*, etc. Parthenogenetic. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brno (Žlutý kopec hill, 6865) (STEHLÍK & HOBERLANDT 1954), two localities in the Poodří PLA (BRYJA & KMENT 2001), Hukvaldy (Hradní vrch hill, 6375) (ROHÁČOVÁ 2003b), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a). All Moravian specimens recorded so far are females; findings of males from the neighbouring Bohemia were mentioned by HENRY (2012).

#### *Capsodes gothicus gothicus* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂ 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 3 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♂ 1 ♀, 16.vi.2006, 1 ♂ (freshly hatched), I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 3 ♂♂, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Pítín (72), 20.vii.1957, 1 ♂, Ondřej lgt. (MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 2 ♂♂ 2 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂ 2 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 3 ♂♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ 4 ♀♀, 11.vii.2009, 2 ♂♂ 5 ♀♀, 16.viii.2009, 2 ♀♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 23.vii.1951, 5 ♂♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Strání, Důbrava hill (150), 7.vii.1980, 2 ♂♂ 2 ♀♀, L. Pospíšilová & P. Lauterer lgt. (MMBC). Lopeník (152), 8.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Lopeník, U Zvonice NM (155), 27.vi.2004, 8 ♂♂ 4 ♀♀ (1 ♂ freshly hatched), 24.vii.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 28.vi.2004, 4 ♂♂, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 27.vi.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 2 ♀♀, L. Pospíšilová lgt., 2 ♂♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 13.v.2007, 1 ♂, P. Bogusch lgt. (PBPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 4 ♂♂, P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 8 ♂♂ 5 ♀♀, P. Lauterer, J. L. Stehlík & J. Meduna lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, P. Kment lgt., 23.vi.2004, 6 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt., J. Bryja det. (PKPC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♂♂ 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** A polyphagous phytophage.

In various open grassland habitats (WACHMANN *et al.* 2004). **Red List status:** –.

### *Capsus ater* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♂♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja revid. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 1.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 6 ♂♂, P. Kment & I. Malenovský lgt. (MHBC, PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 2 ♂♂, I. Malenovský lgt. (PKPC). Slavičín (69), 10.vii.1989, 3 ♂♂, I. Vavřínová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♂, J. L. Stehlík lgt.

True bugs (Hemiptera: Heteroptera)

(MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 10 ♂♂ 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 5 ♂♂, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 3 ♂♂, P. Kment & M. Omesová lgt. (MUBC, PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ 1 ♀, P. Baňar lgt. et det. (MMBC). Horní Němčí, Hornoněmčanský háj forest (118), 7.vii.1980, 8 ♂♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Strání, Důbrava hill (150), 7.vii.1980, 3 ♂♂ 1 ♀, P. Lauterer & L. Pospíšilová lgt. (MMBC). Lopeník (152), 8.vi.1999, 2 ♂♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 3 ♂♂, P. Lauterer lgt. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 5 ♂♂, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♂, I. Malenovský lgt., 22.vi.2001, 4 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 18.v.2002, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 4 ♂♂, P. Lauterer lgt. (MMBC). Radějov, Kútky NR (217), 25.vi.2010, 1 ♀, J. Ch. Vávra lgt. (OMOC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt., 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 7 ♂♂ 1 ♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, P. Kment lgt., 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 4 ♂♂, P. Lauterer & L. Pospíšilová lgt. (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 4 ♂♂, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 2 ♂♂, 23.v.2002, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, introduced to North America. **Biology and habitat:** On Poaceae in open to half-shaded, dry to slightly humid grassland habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Capsus pilifer* (Remane, 1950)**

**(VU)**

**Published record.** KMENT & BRYJA (2001), KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, known only from two sites in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Molinia caerulea* agg. (WACHMANN *et al.* 2004), in the Bílé Karpaty Mts. on *M. arundinacea* (KMENT 2001), in humid habitats, such as margins of peat bogs and wet meadows. Very rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic known so far only from the Čertoryje NNR in the Bílé Karpaty PLA and the Kokofínsko PLA in central Bohemia (KMENT & BRYJA 2001, KMENT *et al.* 2003).

***Capsus wagneri* (Remane, 1950)**

**Material examined.** Poteč, Ploščiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Důbrava (150), 7.vii.1980, 3 ♂♂, L. Pospíšilová lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 24.v.2002, 1 ♂, 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 2 ♂♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, scattered throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Calamagrostis canescens* and *C. epigejos*, rarely other Poaceae. In humid, as well as dry grassland habitats (WACHMANN *et al.* 2004). In Moravia not rare, but widely neglected. **Red List status:** –.

**Comments.** For Moravia recorded by STEHLÍK (1961), BRYJA & KMENT (2006a), and MALENOVSKÝ *et al.* (2011).

***Charagochilus (Charagochilus) gyllenhalii* (Fallén, 1807)**

**Published records.** HOBERLANDT (1947): Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, 16.vii.–4.viii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂, P. Kment & M. Horský lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Poteč, Ploščiny NR (42), 13.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Brumov, Uhlíčky (44), 5.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 2 ♀♀, 8.v.2004, 1 ♀, P. Kment lgt., 1.ix.2004, 1 ♂, 5.x.2004, 3 ♂♂ 5 ♀♀, I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 6 ♂♂ 4 ♀♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 2 ♀♀ (1 ♀ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Popov (71), 6.viii.1980, 3 ♂♂ 6 ♀♀, J. L. Stehlík lgt. (MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 2 ♂♂, 2.ix.2004, 2 ♂♂ 2 ♀♀, 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., J. Bryja det., 12.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 8 ♂♂ 3 ♀♀, 11.vii.2009, 5 ♀♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♀, I. Malenovský lgt., J. Bryja det. as *Ch. weberi*, P. Kment revid. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀, P. Kment lgt., 21.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Lopeník, U Zvonice NM (155), 3.ix.2005, 1 ♀, 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 3 ♂♂, 19.vi.–11.vii.2007, Mt, 3 ♂♂ 1 ♀, 21.viii.–12.ix.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovské Bošačky, meadow and orchard (180), 25.ix.2004, 1 ♀, 24.vii.2005, 1 ♂ 2 ♀♀, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♀, P. Kment lgt., J. Bryja revid. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, forest margin, 1 ♂, P. Kment lgt.; 8.vii.2000, 1 ♀, P. Kment lgt., J. Bryja det. as *Ch. weberi*, P. Kment revid.; 16.viii.2000, 1 ♀, P. Kment lgt.; 28.vii.2001, 1 ♀, I. Malenovský lgt., J. Bryja det.; 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211),

#### True bugs (Hemiptera: Heteroptera)

16.viii.2000, 1 ♂ 4 ♀♀, P. Kment lgt. et det., 20.ix.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 1 ♀, P. Lauterer lgt. (MMBC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 3 ♂♂, P. Kment lgt. (PKPC); 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. as *Ch. weberi*, P. Kment revid. (JBSC, PKPC); 18.viii.2000, 3 ♂♂ 1 ♀, P. Kment lgt., J. Bryja det.; 9.–10.ix.2000, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♀, P. Kment lgt., J. Bryja det., 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 3 ♂♂, 25.vi.–15.vii.2009, Mt, 1 ♂ 1 ♀, 15.vii.–5.viii.2009, Mt, 2 ♂♂, 5.–24.viii.2009, Mt, 1 ♂ 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 1.ix.2005, 1 spec., I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 2 ♀♀, P. Kment lgt., J. Bryja det. as *Ch. weberi*, P. Kment revid. (JBSC, PKPC); 7.ix.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, 22.vi.–15.vii.2009, Mt, 1 ♂, 16.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♀, 12.v.–3.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂ 5 ♀♀, P. Kment lgt., J. Bryja det. (MHBC, PKPC); 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 1 ♀, 18.vi.–9.vii.2007, Mt, 3 ♂♂ 3 ♀♀, 9.vii.–2.viii.2007, Mt, 7 ♂♂, 2.–22.viii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♂, 15.vi.–13.vii.2010, Mt, 1 ♂, 13.vii.–10.viii.2010, Mt, 2 ♂♂ 3 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 2 ♀♀, I. Malenovský lgt., 1 ♀ J. Bryja det. as *Ch. weberi*, P. Kment revid. (PKPC). Strání, Záhumenice NM (266), 12.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC); 9.vii.–12.viii.2010, Mt, 1 ♀, 12.viii.–9.ix.2010, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 26.vii.2007, 1 ♂, O. Konvička lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 1 ♀, 24.viii.–17.ix.2009, Mt, 1 ♀, 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, extending to Maghreb, and Central Asiatic. **Biology and habitat:** On *Galium* (*G. verum*, *G. mollugo*, *G. aparine*, *G. boreale*, etc.), rarely on *Odontites vulgaris*. Euryecious, common in open xerothermic, as well as half-shaded humid habitats (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Measurements of several morphometric characters of *Ch. gyllenhali* are given in Table 1. For a discussion of problems concerning the identification see the Comments under *Ch. weberi*.

#### *Charagochilus (Charagochilus) spiralifer* Kerzhner, 1988

= *Charagochilus similis* Zheng, 1990. Synonymised by ZHENG (1995).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241),

25.vi.–15.vii.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♂, 4.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 1 ♂, 2.–22.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 4 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area but rare and collected only with Malaise traps. **General distribution:** Perhaps Eurosiberian. Known from north-eastern China, Mongolia, the Asian part of Russia (Far East, West Siberia) (KERZHNER & JOSIFOV 1999); Austria, Germany, Slovenia (SIMON 2007), Slovakia, and the Czech Republic: Moravia (STEHLÍK 1978, as *Ch. weberi*, P. Kment revid.). **Biology and habitat:** On *Galium* and *Rubia* in Germany (SIMON 2007). According to SIMON (2007), *Ch. spiralifer* usually occurs syntopically with *Ch. gyllenhalii*, e.g. in shaded forest undergrowth communities with *Melampyrum pratense* in the Rhine lowland in Germany, where it is more common than *Ch. gyllenhalii*. Generally, it seems that *Ch. spiralifer* prefers more humid sites and higher altitudes (SIMON 2007). The records by STEHLÍK (1978) originate mostly from floodplains of large rivers in southern Moravia and southern Slovakia. **Red List status:** Not evaluated.

**Comments.** *Charagochilus spiralifer* has been discovered in Europe only recently, but as it is documented in collections as early as by 1903 (SIMON 2007), it is certainly not an alien but an overlooked species that had been confused with similar relatives. *Charagochilus spiralifer* can be easily distinguished from *Ch. gyllenhalii* and *Ch. weberi* by the presence of a whitish spot on the apices of femora which is not apically delimited by a reddish or brownish ring, a longer antennomere 4 (SIMON 2007), and the structure of the male aedeagus (KERZHNER 1988, ZHENG 1990). Measurements of several morphometric characters based on the specimens from the Bílé Karpaty PLA are given in Table 1. See also the Comments under *Ch. weberi*.

A revision of the Moravian and Slovak specimens identified as *Ch. weberi* by STEHLÍK (1978) (P. Kment revid.) revealed that all of them belong to *Ch. spiralifer*. *Charagochilus spiralifer* is here reported for the fauna of the Czech Republic and Slovakia for the first time.

### *Charagochilus (Charagochilus) weberi* Wagner, 1953

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Distribution and frequency in the Bílé Karpaty PLA:** There is one published record; the identification, however, needs a revision. **General distribution:** North Mediterranean, extending to central Europe and Maghreb. **Biology and habitat:** On *Galium*, *Odontites*, *Melampyrum*, and *Verbascum* but the biology and ecology are poorly known (WAGNER 1953, WACHMANN *et al.* 2004). **Red List status:** –.



**Table 1.** Measurements of *Charagochilus gyllenhalii* (Fallén, 1807) and *Ch. spiralifer* Kerzhner, 1988 based on specimens collected with Malaise traps in the Bílé Karpaty PLA. Average value (minimum–maximum).

	body length (mm)	ocular index	antennomere II (mm)	antennomere III (mm)	antennomere IV (mm)	antennomere II / III
<i>Ch. gyllenhalii</i> ♂♂ (n = 12)	3.5 (2.9–4.2)	1.72 (1.65–2.0)	1.06 (0.95–1.2)	0.44 (0.38–0.45)	0.5 (0.43–0.55)	2.44 (2.24–2.69)
<i>Ch. gyllenhalii</i> ♀♀ (n = 10)	3.35 (3.0–3.6)	2.0 (2.0–2.13)	0.9 (0.8–0.93)	0.43 (0.38–0.45)	0.53 (0.48–0.53)	2.12 (1.94–2.25)
<i>Ch. spiralifer</i> ♂♂ (n = 10)	3.9 (3.6–4.4)	1.54 (1.4–1.68)	1.15 (1.0–1.25)	0.5 (0.5–0.55)	0.7 (0.63–0.78)	2.22 (2.0–2.4)
<i>Ch. spiralifer</i> ♀♀ (n = 5)	3.7 (3.6–3.8)	2.0 (1.88–2.0)	0.93 (0.85–0.93)	0.5 (0.48–0.5)	0.7 (0.65–0.73)	1.85 (1.79–1.95)

**Comments.** *Charagochilus weberi* was described by WAGNER (1953) from France, Andorra, Spain, Italy, and Austria, and compared with *Ch. gyllenhalii*. According to the original description, *Ch. weberi* is slightly larger in general size, has larger eyes, longer antennae, and differs in some other small details in the external morphology and the structure of the male genitalia (WAGNER 1953). The keys by WAGNER (1967, 1971) diagnose the species only by differences in the ratios of the vertex width / eye width and antennomere 2 / head width across eyes, but without providing any range for the measured values and thus underestimating the variability. More representative measurements were later published by TAMANINI (1981); however, they showed an overlap in some of the morphometric characters and the associated drawings of the left parameres showed no substantial differences to *Ch. gyllenhalii*. Despite the opinion by LIS *et al.* (2004) that “*Ch. weberi* can easily be separated from *Ch. gyllenhalii*”, the identification of *Ch. gyllenhalii* and *Ch. weberi* remains quite arbitrary. The taxonomy of the group has recently become critical after the discovery of a third European species, *Ch. spiralifer* (SIMON 2007), that, unlike *Ch. weberi*, can be reliably distinguished from *Ch. gyllenhalii* by the structure of the aedaeus (KERZHNER 1988, ZHENG 1990). In Table 1, we provide measurements for *Ch. gyllenhalii* and *Ch. spiralifer*; *Ch. spiralifer* partly fits in the range of the morphometric characters for *Ch. weberi* (see Table 1). This suggests a possibility that *Ch. weberi*, as originally described, is a mixture of macropterous specimens of both *Ch. gyllenhalii* and *Ch. spiralifer* (opinion confirmed by H. Simon, pers. comm.). A critical re-examination of the types of *Ch. weberi* is thus needed to clarify its status.

STEHLÍK (1978) recorded *Ch. weberi* from four localities in southern Moravia: Smolín (6965), Mušov (7165), Strachotín (7065) and Drnholec (7164), and several other localities in Slovakia. A recent re-examination of Stehlík’s voucher specimens deposited in MMBC (P. Kment revid.) revealed that all specimens belong to *Ch. spiralifer*. The only additional record from the Czech Republic comes from the Čertoryje NNR (KMENT 2001). Unfortunately, we were not able to re-examine the voucher specimen originally

identified by J. Bryja and deposited in his collection, so we cannot confirm or correct this identification. Based on the revision of STEHLÍK's (1978) material, *Ch. weberi* can, however, be excluded here from the list of the fauna of Slovakia.

### ***Chlamydatus (Euattus) pulicarius (Fallén, 1807)***

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 13.v.–3.vi.2008, Mt, 2 ♂♂ 1 ♀, 3.–23.vi.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 9.ix.1999, 2 ♂♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det., 1.vi.2002, 6 ♂♂ 2 ♀♀, I. Malenovský lgt., 24.viii.2002, 12 ♂♂ 3 ♀♀, 17.viii.2006, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja revid. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 36 ♂♂ 15 ♀♀, 5.x.2004, 4 ♀♀, 28.v.2005, 9 ♂♂ 9 ♀♀, I. Malenovský lgt., 28.vii.2005, 22 ♂♂ 7 ♀♀, 4.ix.2005, 26 ♂♂ 29 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♀, I. Malenovský lgt., 14.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det., 25.viii.2002, 2 ♂♂, P. Kment lgt., 30.vi.2004, 1 ♀, 16.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂ 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 12 ♂♂ 5 ♀♀, 6.ix.2005, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Brumov, Kloboucká street (76), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 3 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 3 ♂♂ 2 ♀♀, 28.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂, L. Pospíšilová lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 2 ♂♂, P. Kment lgt., 21.vii.2002, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt., 13.viii.2001, 4 ♂♂ 5 ♀♀, P. Kment lgt., 20.vii.2002, 3 ♂♂ 5 ♀♀, 10.ix.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., 20.vii.2002, 3 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 2 ♂♂ 1 ♀ (1 ♀ freshly hatched), 25.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt., 3.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♀, 29.v.–19.vi.2007, Mt, 2 ♂♂ 6 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 27.vi.2004, 13 ♂♂ 9 ♀♀, I. Malenovský lgt., 25.ix.2004, 2 ♂♂ 1 ♀, 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 5 ♂♂ 11 ♀♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 4 ♂♂ 2 ♀♀, I. Malenovský lgt., 19.viii.2004, 2 ♂♂ 1 ♀, 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2005, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ 2 ♀♀, 8.viii.2007, 1 ♂ 4 ♀♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 5 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 28.vi.2004, 4 ♂♂, 3.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.viii.2000, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♂, 20.ix.2001, 1 ♀, P. Kment lgt., 27.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 21 ♂♂ 30 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♂, I. Malenovský lgt., 8.vii.2000, 1 ♀, P. Kment lgt., 27.vii.2000, 64 ♂♂ 26 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2000, 29 ♂♂

#### True bugs (Hemiptera: Heteroptera)

25 ♀♀, P. Kment lgt., 20.viii.–5.ix.2000, pt, 1 ♂, P. Bezděčka lgt., 22.vi.2001, 26 ♂♂ 12 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 28 ♂♂ 9 ♀♀, I. Malenovský lgt., 20.ix.2001, 1 ♂ 1 ♀, P. Kment lgt., 27.vi.2002, 2 ♂♂ 7 ♀♀, I. Malenovský lgt., 17.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, 16.viii.2000, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂ 3 ♀♀, 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂ 1 ♀, 16.viii.2004, 3 ♂♂ 2 ♀♀, 26.v.2005, 1 ♂ 1 ♀, 27.vii.2005, 5 ♂♂ 1 ♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 3 ♂♂ 1 ♀, I. Malenovský lgt., 16.viii.2004, 18 ♂♂ 4 ♀♀, P. Kment lgt., 1.x.2004, 1 ♀, 27.vii.2005, 1 ♂, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 4 ♂♂ 9 ♀♀, 16.viii.2004, 1 ♂ 1 ♀, 27.vii.2005, 2 ♂♂ 1 ♀, 1.ix.2005, 11 ♂♂ 16 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 6 ♂♂, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 2 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♂♂, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♀♀, I. Malenovský lgt., 8.viii.2001, 6 ♂♂ 1 ♀, 23.ix.2001, 1 ♂, P. Kment lgt., 24.v.2002, 2 ♂♂, 17.vii.2002, 63 ♂♂ 43 ♀♀, 7.ix.2002, 9 ♂♂ 25 ♀♀, 23.vi.2004, 12 ♂♂ 4 ♀♀, 2.ix.2004, 51 ♂♂ 46 ♀♀, 26.v.2005, 10 ♂♂ 3 ♀♀, 27.vii.2005, 23 ♂♂ 12 ♀♀, 1.ix.2005, 11 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 1 ♀, 23.ix.2001, 1 ♀, P. Kment lgt., 23.vi.2004, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 3.–22.vi.2009, Mt, 2 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 12.v.–3.vi.2009, Mt, 1 ♂, 3.–22.vi.2009, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♂ 3 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 10 ♂♂ 3 ♀♀, I. Malenovský lgt., 9.viii.2001, 3 ♂♂ 3 ♀♀, P. Kment lgt., 21.ix.2001, 6 ♂♂ 11 ♀♀, 20.vii.2002, 4 ♂♂, 12.ix.2002, 5 ♂♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 9.viii.2001, 19 ♂♂ 9 ♀♀, P. Kment lgt., 21.ix.2001, 1 ♂ 1 ♀, I. Malenovský lgt., 23.v.2002, 1 ♀, P. Kment lgt., 12.ix.2002, 4 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC); 3.–23.vi.2009, Mt, 2 ♀♀, 15.vii.–6.viii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** A polyphagous phytophage.

In dry to slightly humid open grassland, often epigeic. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Chlamydatus (Euattus) pullus* (Reuter, 1870)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt., 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 4 ♂♂ 1 ♀, I. Malenovský lgt., 13.viii.2001, 3 ♂♂ 1 ♀, 21.ix.2001, 1 ♂, P. Kment lgt., 20.vii.2002, 6 ♂♂ 1 ♀, 10.ix.2002, 4 ♂♂, I. Malenovský lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 24.v.2001, 4 ♂♂, I. Malenovský lgt., 2.vii.2001, 4 ♂♂, P. Kment & I. Malenovský lgt., 9.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 21.ix.2001, 3 ♂♂, I. Malenovský lgt., 23.v.2002, 5 ♂♂, P. Kment & I. Malenovský lgt., 20.vii.2002, 2 ♂♂ 3

♀♀, 12.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 24.vii.2005, 2 ♀♀, P. Kment lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 27.vi.2004, 1 ♂, I. Malenovský lgt., 25.ix.2004, 2 ♂♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 4 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 3 ♂♂, I. Malenovský lgt., 8.vii.2000, 1 ♂ 1 ♀, P. Kment lgt., 27.vii.2000, 1 ♂, I. Malenovský lgt., 4.viii.2000, 1 ♀, 16.viii.2000, 4 ♂♂ 2 ♀♀, 20.ix.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♀, Z. Malinka lgt. (ZMOC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 1 ♂, P. Lauterer lgt. (MMBC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂ 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 2 ♂♂, 16.viii.2004, 2 ♂♂, 1.x.2004, 4 ♂♂, 26.v.2005, 6 ♂♂ 4 ♀♀, 27.vii.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 16.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 3 ♂♂, P. Kment lgt., 1.x.2004, 1 ♂ 1 ♀, 26.v.2005, 1 ♂, 27.vii.2005, 2 ♂♂ 1 ♀, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 1 ♂, 26.v.2005, 1 ♂, 27.vii.2005, 1 ♂, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, 17.vii.2002, 4 ♂♂ 1 ♀, 23.vi.2004, 3 ♂♂, 2.ix.2004, 9 ♂♂ 5 ♀♀, 26.v.2005, 1 ♂, 1.ix.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 17.vii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂, 12.v.–3.vi.2009, Mt, 1 ♂, 24.viii.–16.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 5 ♂♂ 2 ♀♀, P. Kment lgt., 20.vii.2002, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (Eurosiberian, Central Asiatic and Nearctic). **Biology and habitat:** A polyphagous phytophage, with preference for Asteraceae and Fabaceae. In open dry grassland, often epigeic. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Closterotomus biclavatus biclavatus* (Herrich-Schaeffer, 1835)

**Published record.** STEHLÍK (1948): Javorina [= Mt. Velká Javořina] (255).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, 16.vii.–4.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horský & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 4 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 2 ♂♂, I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, L. Pospíšilová lgt., 1 ♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 6 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 23.v.2002, 2 ♂♂, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, P. Lauterer lgt.

(MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 2 ♂♂ 6 ♀♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Strání, Důbrava hill (150), 7.vii.1980, 2 ♂♂ 2 ♀♀, P. Lauterer lgt., 1 ♀ L. Pospíšilová lgt. (MMBC). Lopeník (152), 8.vi.1999, 2 ♂♂, K. Hradil lgt. et det. (KHMC). Žitková (163), 11.vi.1999, 2 ♂♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov (173), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 2 ♀♀, 26.vi.–14.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 4 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 2 ♂♂ 3 ♀♀, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♂, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♂♂ 2 ♀♀, P. Lauterer lgt., 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 3 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 5 ♂♂ 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–13.viii.2010, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 3 ♂♂, 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 3 ♂♂ 1 ♀, 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian. **Biology and habitat:** A polyphagous phytophage. Euryecious, on various deciduous trees and shrubs (e.g. *Vaccinium myrtillus*, *Cytisus scoparius*, *Rubus*, *Lonicera*, *Berberis*, *Corylus*, *Betula*, and *Fraxinus*). Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Closterotomus fulvomaculatus* (De Geer, 1773)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 3 ♂♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 4 ♂♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 4 ♂♂, 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–9.vii.2010, Mt, 2 ♂♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** A polyphagous phytophage, even zoophytophagous. Euryecious, on various herbs (*Filipendula*, *Urtica*), as well as deciduous trees and shrubs (e.g. *Salix*, *Fraxinus*, *Alnus*, *Betula*, *Rubus*, *Rhamnus cathartica*, *Frangula alnus*, *Prunus spinosa*, *Crataegus*); a pest on *Humulus lupulus*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Closterotomus norwegicus* (Gmelin, 1790)

**Material examined.** Slavičín (69), 10.vii.1989, 6 ♂♂ 1 ♀, I. Vavřínová lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂ 5 ♀♀, P. Raus & J. L. Stehlík lgt. (MMBC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♂, L. Pospíšilová lgt. (MMBC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Malá Vrbka, between village and Výzkum hill (205), 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 15 ♂♂ 7 ♀♀, I. Malenovský lgt., 8.vii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** European and Holomediterranean, introduced to North America, Australia, and New Zealand. **Biology and habitat:** A polyphagous phytophage. On various herbs, particularly Asteraceae (*Matricaria*, *Chrysanthemum*, *Tanacetum*, *Achillea*, *Artemisia*, *Senecio*). Euryecious in open grassland habitats, from xerothermic to humid ones, often in ruderal sites. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Compsidolon (Coniortodes) salicellum* (Herrich-Schaeffer, 1841)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, 4.–25.viii.2008, Mt, 1 ♀, 23.ix.–29.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), on *Corylus avellana*, 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂, J. L. Stehlík lgt. (MMBC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěč NNR (232), 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂, 12.viii.–9.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but quite rare. **General distribution:** Eurosiberian; introduced to North America. **Biology and habitat:** Zoophytophagous. Predominantly on *Corylus avellana*, rarely also on other deciduous trees (*Salix*, *Alnus*, *Lonicera*, *Quercus*, *Tilia*, etc.) or *Rubus*, preferring sunny places (forest edges, solitary trees), regardless humidity. Widespread, quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from nine localities in Brno and its environs (67–6865), as well as from Kuřim (66–6765), Hranice (6472), Zbrašov u Hranic (6472), Ondřejov (6069) (STEHLÍK 1961), Odra (Malý les forest, 6373) (BRYJA & KMENT 2001), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

#### *Cremnocephalus alpestris* Wagner, 1941

**Material examined.** Nedašov, Hrušová dolina valley (53), on *Picea abies*, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at two sites only. **General distribution:** European. **Biology and habitat:** On *Picea abies*, but also on *Abies*, *Pinus*, or *Larix*. A mountain species, preferring higher altitudes. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from the Hrubý Jeseník Mts. (STEHLÍK 1952), Rychlebské hory Mts. (ŠTYS 1956, 1959), Moravskoslezské Beskydy Mts., Javorníky Mts., Vsetínské vrchy Hills, as well as from the environs of Blansko and Tišnov in central Moravia (WYNIGER 2006a,b).

#### *Criocoris crassicornis* (Hahn, 1834)

**Material examined.** Nedašov, Jalovcová stráň NR (54), 1.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt., 28.vii.2005, 11 ♂♂ 14 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 2 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 4 ♀♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 5 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 4 ♂♂ 6 ♀♀, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Korytná (115), 23.vii.1951, 13 ♂♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 21.vii.2007, 1 ♂, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 3 ♂♂ 10 ♀♀, P. Lauterer, P. Raus & J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♂, J. L. Stehlík lgt. (MMBC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 14 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hribovňou NM (176), 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovecské Bošačky, meadow and orchard (180), 24.vii.2005, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♀, P. Kment lgt., 27.vi.2002, 7 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 4 ♂♂ 6 ♀♀, P. Kment lgt. (MHBC, PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 3 ♂♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, extending to Iran. **Biology and habitat:** On *Galium* spp. in open to half-shaded, xerothermic to slightly humid habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Criocoris nigripes* Fieber, 1861**

(VU)

(Fig. 3)

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Nedašov, Jalovcová stráž NR (54), 30.vi.2004, 2 ♂♂, 16.vi.2006, 3 ♂♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 3 ♂♂ 1 L, L. Pospíšilová lgt., 1 ♂, J. L. Stehlík lgt. (MMBC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Strání, Důbrava hill (150) 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♂♂ 1 L, L. Pospíšilová lgt., 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♂, P. Lauterer lgt. (MMBC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, P. Kment lgt., J. Bryja det. (JBSC); 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., 23.vi.2004, 6 ♂♂, I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Valtice, Boří dvůr (7266), 180 m a.s.l., 8.vi.1978, 2 ♂♂, L. Pospíšilová lgt. (MMBC, NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, a characteristic species of species-rich meadows. **General distribution:** West Eurosiberian, extending to Transcaucasia (montane). **Biology and habitat:** On species of *Galium* s. l. (*Cruciata laevipes* [= *Galium cruciatum*], *Galium mollugo*) in xerothermic habitats in mountain regions. Rare (WACHMANN *et al.* 2004, MAGNIEN *et al.* 2010). **Red List status:** Vulnerable.

**Comments.** For Bohemia recorded by ROUBAL (1964) from Milíkov near Stříbro (6243), in Moravia so far known only from a peaty meadow near Karlova Studánka (5969) in the Hrubý Jeseník Mts. (STEHLÍK 1952).

***Cylloceria hystrix* (Linnaeus, 1767)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 23.v.2002, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 2 ♀♀, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 23.v.2002, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected in the southern and central parts of the area. **General distribution:** West Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** Zoophytophagous. On *Quercus* (*Q. robur*, *Q. petraea*), adults rarely occur also on other deciduous trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.



***Deraeocoris (Camptobrochis) serenus (Douglas et Scott, 1868)***

**Material examined.** Hrubá Vrbka, village (212), 9.–12.vii.2009, 1 ♀, Z. Malinka lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only at one site in the southern part of the area. **General distribution:** Holomediterranean and South Eurosiberian (as far as Mongolia and northern China). **Biology and habitat:** Zoophagous. On herbaceous vegetation (e.g. *Artemisia*) in xerothermic habitats. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

***Deraeocoris (Deraeocoris) annulipes (Herrich-Schaeffer, 1842)***

**Material examined.** Pitín (72), 20.vii.1957, 1 ♀, Ondřej lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Komňa, Lom Rasová NM (128), on *Larix decidua*, 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), on *Larix decidua*, 17.vi.2000, 1 ♀, 22.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 8 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂ 3 ♀♀, L. Pospíšilová lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the central and southern parts of the area but rare. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous, especially preying on aphids (*Cinara*, *Lachnus*). On *Larix decidua*, occasionally on *Pinus*, preferring medium to higher altitudes. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Ochoz u Brna (6766) (STEHLÍK 1946b), Boží hora hill (5668) near Žulová in the Rychlebské hory Mts. (ŠTYS 1959), and the environs of Bruntál (DOBŠÍK 1983).

***Deraeocoris (Deraeocoris) morio (Boheman, 1852)***

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 18 ♂♂, 25.vi.–15.vii.2009, Mt, 5 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 12 ♂♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (JBSC); 23.vi.2004, 2 ♂♂ 4 ♀♀ (1 ♀ freshly hatched), I. Malenovský lgt. (PKPC); 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, a characteristic species for species-rich meadows. **General distribution:** European. **Biology and habitat:** Zoophagous. Living predominantly on Lamiaceae (*Stachys recta*,

*Thymus, Origanum, Teucrium*) in dry and warm, open habitats. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Outside of the Bílé Karpaty PLA, there is only one additional Moravian record – Mrsklesy (63–6470) near Olomouc (STEHLÍK 1961). The records of *D. scutellaris* f. *morio* from Třebíč – Terůvky and Černá Hora (STEHLÍK 1948) belong to *D. scutellaris* (Fabricius, 1794), the record from Bzenec (STEHLÍK 1943) to *D. ventralis* Reuter, 1904 (see STEHLÍK 1961).

### *Deraeocoris (Deraeocoris) olivaceus* (Fabricius, 1777)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂ 1 ♀, L. Pospíšilová lgt., 2 ♂♂, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, 15.vi.–14.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♀, 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♂♂, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. On trees and shrubs of Rosaceae (especially *Crataegus* and *Prunus*), rarely on other deciduous trees. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded from Brünn bei Černowitz [= Brno – Černovice] (6865), Napajedl [= Napajedla] (6871), Záhoří bei Prossnitz [= part of Prostějov – Čechovice] (6568) (SPITZNER 1892), Uherské Hradiště (6970), Střelice (6771–72) (HOBERLANDT 1947), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985), Polanka nad Odrou (6275) (BRYJA & KMENT 2001), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), and Kurdějov (Kamenný vrch hill, 7066) (MALENOVSKÝ *et al.* 2011).

*Deraeocoris (Deraeocoris) ruber* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC); 23.vi.–16.vii.2008, Mt, 8 ♂♂, 16.vii.–4.viii.2008, Mt, 2 ♂♂ 4 ♀♀, 4.–25.viii.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščíny NR (42), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 30.vi.2001, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt., 13.viii.2001, on *Pinus sylvestris*, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 28.vii.2005, 5 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 3 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Hostětín (70), 10.viii.1970, 1 ♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Pitín (72), 20.vii.1957, 1 ♂ 1 ♀, Ondřej lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♂, O. Konvička lgt. (NMPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ 1 ♀, 10.vii.2009, 2 ♂♂ 2 ♀♀, Z. Malinka lgt. (ZMOC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 4 ♂♂ 2 ♀♀, P. Baňar lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂ 3 ♀♀, P. Raus & J. L. Stehlík lgt. (MMBC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 3 ♂♂ 1 ♀, 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 ♂♂ 4 ♀♀, 8.viii.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vyskovec, Pod Hřibovňou NM (176), 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Vyskovské Bošachky, meadow and orchard (180), 19.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKBC); 4.–26.vi.2008, Mt, 6 ♂♂ 3 ♀♀, 26.vi.–14.vii.2008, Mt, 23 ♂♂ 6 ♀♀, 14.vii.–5.viii.2008, Mt, 2 ♂♂ 8 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 6 ♀♀ 2 L, L. Pospíšilová lgt. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 2 ♂♂ 2 ♀♀, 9.–12.vii.2009, 6 ♂♂ 2 ♀♀, Z. Malinka lgt. (ZMOC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det., 19.vi.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC); 30.vi.–1.vii.2008, at night, 2 ♂♂ 2 ♀♀, Z. Malinka lgt. (ZMOC); 25.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♀♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 13.vii.–10.viii.2010, Mt, 1 ♂ 3 ♀♀, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic, introduced to North America and Brazil.

**Biology and habitat:** Zoophagous. Euryecious, on herbaceous vegetation as well as on trees and shrubs, in open, as well as forest habitats. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

***Deraeocoris (Deraeocoris) trifasciatus (Linnaeus, 1767)***

**Material examined.** Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 25.v.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♂, J. Meduna lgt. (MMBC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Eurosiberian. **Biology and habitat:** Zoophagous. Predominantly on trees and shrubs of the family Rosaceae (*Malus*, *Pyrus*, *Prunus*, *Crataegus*, *Sorbus aucuparia*), less frequently on other deciduous trees (e.g. *Betula*, *Quercus*, *Acer*, *Ulmus*, *Alnus*). Widespread, quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Vizovice (6773), Zlín (6771–72) (STEHLÍK 1944), Rohatec (7169) (STEHLÍK 1944, HOBERLANDT 1947), Střelice (6865), Pouzdrány (7065) (HOBERLANDT 1947), Brno (6765–66, 6865–66), Brno – Řečkovice (6765), Kralice nad Oslavou (67–6863), Kobylí (7067) (STEHLÍK 1948), the environs of Bruntál (6070) (DOBŠÍK 1983), and the Poodří PLA (6275) (PAVELKA 1990).

***Deraeocoris (Knightocapsus) lutescens (Schilling, 1837)***

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 2 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), on *Corylus avellana*, 14.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 16.vi.2006, 2 ♀♀, I. Malenovský lgt., 14.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, village (51), on *Tilia* sp., 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 3 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♀♀, 4.–25.viii.2008, Mt, 1 ♂ 1 ♀, 23.ix.–29.x.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Svatý Štěpán, below quarry beneath Okrouhlá NM (98), under scales of the bark of *Abies alba*, 19.xii.2006, 1 ♂, O. Konvička lgt. (NMPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂, J. L. Stehlík lgt. (MMBC). Horní Němčí, village (109), on *Tilia* sp., 13.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 3 ♂♂ 4 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Strání, village (147), on *Tilia* sp., 9.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♀, J. L. Stehlík lgt. (MMBC). Radějov, village (194), on *Tilia* sp., 19.viii.2002, 2 spec., P. Kment observ. Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♀, 14.vii.–12.viii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, village (206), on *Tilia* sp., 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt., 20.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, old cemetery (223), 18.iv.2000, on Cupressaceae, 1 ♂, P. Kment & I. Malenovský lgt., 18.viii.2000, 5

#### True bugs (Hemiptera: Heteroptera)

♂♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 4 ♀♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♀, 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 4 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Trnovský Mlýn, along road to Suchovské Mlýny (230), on *Corylus avellana*, 16.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 4 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 2 ♀♀, 9.vii.–2.viii.2007, Mt, 1 ♂, 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 5.–25.v.2010, Mt, 1 ♀, 15.vi.–9.vii.2010, Mt, 1 ♂, 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** European and Holomediteranean. **Biology and habitat:** Zoophagous. On various deciduous trees, often on *Tilia*, *Quercus*, *Acer*, *Corylus* and *Ulmus*. Euryecious, also common in city parks (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Dichroscytus intermedius* Reuter, 1885

**Material examined.** Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Strání, village (147), 2.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), on *Picea abies*, 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), at railway station, on *Picea abies*, 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** On *Picea abies*, in higher altitudes also on *Abies*, *Larix*, and *Pinus mugo*. Preferring medium and higher altitudes. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the Hrubý Jeseník Mts. (STEHLÍK 1952), Rychlebské hory Mts. (ŠTYS 1959), Moravskoslezské Beskydy Mts. (ROHÁČOVÁ 2001a, 2011), the Poodří PLA (BRYJA & KMENT 2001), and Kamenná NM near Staříč (6375) (ROHÁČOVÁ 2007b).

#### *Dicyphus (Brachyceroea) globulifer* (Fallén, 1829)

**Material examined.** Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Petrov [as Pavlov u Radějova] (182), 24.v.1965, 2 ♂♂ 1 ♀, L. Pospišilová lgt. (MMBC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the central and southern parts of the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** On Caryophyllaceae, especially *Melandrium* (*M. album* and *M. rubrum*) and *Lychnis*. Euryecious, in various grassland habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**[*Dicyphus (Dicyphus) constrictus constrictus* (Boheman, 1852)]**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Comments.** The keys by WAGNER (1952, 1971) did not allow reliable identification of *D. constrictus*, *D. stachydis stachydis* Reuter, 1883, and *D. stachydis wagneri* Tamanini, 1956, and records of these three taxa from central Europe have mostly been confused (see ŠTYS 1976). Using the key by ŠTYS (1976) we can confirm from the Bílé Karpaty Mts. only *D. stachydis wagneri*, to which also the specimens from the Čertoryje NNR, originally misidentified by KMENT (2001) as *D. constrictus*, belong.

***Dicyphus (Dicyphus) epilobii* Reuter, 1883**

**Published records.** KMENT & BRYJA (2001): Malá Vrbka, Výzkum hill (205); Velká nad Veličkou, bank of Velička river in the village (224).

**Material examined.** Nedašov, village (51), vegetation along brook, on *Epilobium hirsutum*, 17.viii.2006, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC); 18.viii.2009, on *Epilobium hirsutum*, J. A. Sanchez lgt. et det. (JSAS). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂, L. Pospíšilová lgt. (MMBC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ 1 ♀ 1 spec., P. Kment lgt. (PKPC). Horní Němčí, village (109), village margin, on *Epilobium hirsutum*, 21.ix.2001, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), on *Epilobium hirsutum*, 20.ix.2001, 3 ♂♂ 3 ♀♀, P. Kment lgt. (MUBC, PKPC). Velká nad Veličkou, village, Velička river above the weir (224), on *Epilobium hirsutum*, 16.viii.2009, J. A. Sanchez lgt. et det. (JSAS). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, not rare. **General distribution:** European. **Biology and habitat:** Zoophytophagous, living on *Epilobium hirsutum* (KMENT & BRYJA 2001, WACHMANN *et al.* 2004). Common in wet places with stands of the host plant, e.g. roadside drain ditches and banks of streams; a neglected species (BRYJA & KMENT 2001, KMENT & BRYJA 2001). **Red List status:** –.

**Comments.** Recorded for Moravia only recently (BRYJA & KMENT 2001, KMENT & BRYJA 2001, BRYJA *et al.* 2002).

***Dicyphus (Dicyphus) errans* (Wolff, 1804)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 4 ♂♂ 7 ♀♀, M. Horský & P. Kment lgt. (PKPC). Petruvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 5 ♂♂ 2 ♀♀, 23.ix.–29.x.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Slavičín (69), 10.vii.1989, 1 ♀, I. Vavřínová lgt. (MMBC). Brumov, Kloboucká street (76), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (130), 6.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov (173), 4.viii.1962, 1 ♂, P. Lauterer lgt. (MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, L. Pospíšilová lgt., 3 ♂♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley

#### True bugs (Hemiptera: Heteroptera)

below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Tvarožná Lhota, valley of Járkovec brook (201), 17.viii.2000, sweeping of *Urtica* sp., 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village, Velička river above the weir (224), on *Epilobium hirsutum*, 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Háj hill (231), 10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian, extending to Anatolia and Transcaucasia.

**Biology and habitat:** Zoophytophagous. On various herbs with glandular trichomes (e.g. *Urtica*, *Geranium*, *Stachys*, *Erodium*, *Senecio*, *Silene*, *Melandrium*, *Salvia*). Euryecious, mostly in mesophilous habitats, including the synanthropic ones. Common (WACHMANN *et al.* 2004, VOIGT *et al.* 2006). **Red List status:** –.

#### *Dicyphus (Dicyphus) hyalinipennis* (Burmeister, 1835)

**Published records.** KMENT & BRYJA (2001): Valašské Klobouky, Bílé potoky NR, forest (47); Velká nad Veličkou, Háj hill (231).

**Material examined.** Valašské Klobouky, Královec hill (33), on *Atropa bella-donna*, 15.viii.2006, 1 ♂ 1 ♀ (ma), 17.viii.2006, 3 ♂♂ 3 ♀♀ (ma), P. Kment lgt. (PKPC); 17.viii.2009, on *Atropa bella-donna*, J. A. Sanchez lgt. et det. (JSAS). Poteč, Ploščiny NR (42), 17.viii.2006, 4 ♂♂ 1 ♀ (ma), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂ (ma), P. Kment lgt. (PKPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♂ (ma), P. Chvojka & J. Macek lgt. (NMPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 5 ♂♂ 1 ♀ (ma), I. Malenovský & M. Omesová lgt. (PKPC); 16.viii.2009, on *Atropa bella-donna*, J. A. Sanchez lgt. et det. (JSAS). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in forests throughout the area but rare. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** Zoophytophagous. On *Atropa bella-donna*, rarely on other glandulous plants (WACHMANN *et al.* 2004). In shaded places in forests and along forest edges with stands of its host plant. **Red List status:** –.

**Comments.** A neglected species, only rarely collected in the Czech Republic (see ŠTYS 1976, KMENT & BRYJA 2001, ROHÁČOVÁ 2003b).

#### *Dicyphus (Dicyphus) pallidus* (Herrich-Schaeffer, 1836)

**Published records.** HOBERLANDT (1947): Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂ (ma) 1 ♀ (br), M. Horskák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 5 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), on *Salvia glutinosa*, 17.viii.2006, 1 ♂ 1 ♀ (ma) 2 ♀♀ (br), P. Kment lgt. (PKPC); 17.viii.2009, on *Salvia glutinosa*, J. A. Sanchez lgt. et det. (JSAS). Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♀ (ma) 2 ♂♂ 1 ♀ (br), P. Kment lgt. (PKPC); 17.viii.2009, on *Salvia glutinosa*, J. A. Sanchez lgt. et det. (JSAS). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 3 ♂♂ (ma) 5 ♂♂ 3 ♀♀ (br), M. Horskák & P. Kment lgt. (MUBC, PKPC); 14.viii.2006, 3 ♀♀ (br), P. Kment lgt. (PKPC); 17.viii.2009,

on *Stachys sylvatica*, J. A. Sanchez lgt. et det. (JSAS). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ (ma) 1 ♂ 3 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ (br), P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 3 ♀♀ (br), P. Kment lgt. (PKPC); 18.viii.2009, on *Stachys alpina*, J. A. Sanchez lgt. et det. (JSAS). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♂ (ma) 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Popov (71), 6.viii.1980, 2 ♂♂ (ma) 2 ♂♂ 6 ♀♀ (br), J. L. Stehlík lgt. (MMBC). Bylnice (78), 6.ix.1978, 2 ♀♀ (br), B. Dobšík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂ 3 ♀♀ (br) 1 L, P. Kment & M. Omesová lgt., 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂ 1 ♀ (br), P. Kment & M. Omesová lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♀, L. Pospíšilová lgt. (MMBC). Korytná (115), 23.vii.1951, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 1 ♂ (ma) 1 ♀ (br), Z. Malinka lgt. (ZMOC). Horní Němčí, Lesná hill (123), 23.vii.1951, 4 ♀♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 3 ♂♂ (ma) 9 ♂♂ 23 ♀♀ (br), P. Lauterer, P. Raus & J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (130), 6.vii.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Vyškovec, Hřibovňa hill (175), on *Circaea lutetiana*, 25.ix.2004, 1 ♀ (ma), P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 2 ♂♂ (ma) 1 ♀ (br), 8.vii.2000, 2 ♀♀ (br), 22.vi.2001, 1 ♂ (br), P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♂♂ 1 ♀ (ma) 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR (232), 19.vi.2000, 3 ♂♂ (ma) 1 ♂ (br) 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 3 ♀♀ (br), P. Kment lgt. (PKPC, VURV). Javorník, Machová NR (259), beech forest undergrowth, 9.vii.1998, 3 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 2 ♀♀ (ma), 9.vii.–2.viii.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian, extending to Iran. **Biology and habitat:** Zoophytophagous. On *Stachys sylvatica*, rarely on *Salvia*, *Satureja*, or *Geranium*. In habitats with humid microclimate, especially forest clearings and margins. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Dicyphus (Dicyphus) stachydis wagneri* Tamanini, 1956

**Published record.** KMENT (2001, as *D. constrictus*, misidentification): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ (ma), P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, Královec hill (33), 22.v.1999, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC); 17.viii.2009, on *Lycopus europaeus* and *Stachys alpina*, J. A. Sanchez lgt. et det. (JSAS). Poteč, Ploščiny NR (42), 17.viii.2006, 3 ♂♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂ (ma) 2 ♂♂ 3 ♀♀ (br), P. Kment lgt. (PKPC); 17.viii.2009, on *Rubus fruticosus* agg. and *Stachys sylvatica*, J. A. Sanchez lgt. et det. (JSAS). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 3 ♂♂ 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♀ (br), P. Lauterer lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀ (br), 8.vii.2000, 1 ♂ (ma), P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 2.v.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 5 ♀♀ (br), P. Kment & I. Malenovský lgt., J. Bryja det., 9.–10.ix.2000, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 2 ♂♂ 3 ♀♀ (br), P. Kment lgt. (PKPC, VURV). Velká nad Veličkou, Háj hill (231), 10.ix.2000, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holomediterranean, extending to central Europe. **Biology and**



**habitat:** Zoophytophagous (WACHMANN *et al.* 2004, for *D. stachydis*). It develops on *Stachys sylvatica*, rarely on *Pulmonaria officinalis*, *P. angustifolia*, *Melittis melissophyllum*, and *Melandryum rubrum*; adults were found also on other plants. In shaded undergrowth of various types of forests, ranging from xerothermic oak or hornbeam woods to damp montane fir-beech primeval forests; also along forest margins, in dry grassland, marshes, etc., but always in shady or only moderately insolated situations. Not rare (ŠTYS 1976). **Red List status:** –.

**Comments.** See the note under *D. constrictus constrictus*.

### *Dryophilocoris (Dryophilocoris) flavoquadrimaculatus (De Geer, 1773)*

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 23.v.2002, 2 ♀♀, P. Kment lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), U Pomníčku, 18.v.2002, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 3 ♂♂ 1 ♀, 12.v.–2.vi.2009, Mt, 3 ♂♂ 1 ♀, 2.–25.vi.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 15 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, 12.v.–3.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt., J. Bryja det., 8.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♀, I. Malenovský lgt., 23.v.2002, 5 ♀♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, not recorded north of the villages of Horní Němčí and Strání. **General distribution:** West Eurosiberian, extending to Maghreb and Transcaucasia. **Biology and habitat:** Zoophytophagous. On *Quercus*, preferring sunlit habitats, mainly forest edges and solitary trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Europiella alpina (Reuter, 1875)*

**Material examined.** Poteč, Ploštiny NR (42), 17.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), on *Mentha longifolia*, 16.viii.2006, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Popov (71), 6.viii.1980, 2 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 2 ♀♀, L. Pospíšilová lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 3 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, on *Mentha longifolia*, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov (173), 4.viii.1962, 1 ♂, P. Lauterer lgt. (MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 5 ♀♀, J. L. Stehlík lgt. (MMBC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♀, P. Kment lgt.

(PKPC); along road to Radějov, 16.viii.2009, 1 ♀, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, spring fen, 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** South Eurosiberian. **Biology and habitat:** On *Mentha*, *Calamintha*, and *Lycopus* species, often on *Mentha aquatica*, in slightly humid to damp habitats, including shaded ones; it prefers medium and higher altitudes. Widespread, not rare (WACHMANN et al. 2004). **Red List status:** –.

**Comments.** For Moravia recorded only from Březník (6863) (STEHLÍK 1944, as *Plagiognathus alpinus*) and Vyšní Lhoty (Profil Morávky NM, 6376) (ROHÁČOVÁ 2001b).

### *Europiella artemisiae* (Becker, 1864)

**Material examined.** Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Valašské Klobouky, Královec – Ploštiny ridge (43), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 1 ♂ 1 ♀ (1 ♂ freshly hatched), P. Kment lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 5 ♂♂ 9 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂, P. Lauterer lgt. (MMBC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja revid. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 1.x.2000, 1 ♂, 22.x.2000, 1 ♂, P. Kment & I. Malenovský lgt., 22.vi.2001, 1 ♂, P. Kment lgt., 28.vii.2001, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 3 ♀♀, 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 2 ♀♀, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Artemisia* (*A. vulgaris*, *A. campestris*, *A. absinthium*, *A. maritima*). In open, dry to slightly humid habitats, including ruderal sites. Common (WACHMANN et al. 2004). **Red List status:** –.

### *Eurycolpus flaveolus* (Stål, 1858)

(NT)

**Material examined.** Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♂ 3 ♀♀, P. Kment lgt., 21.vii.2002, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 5 ♂♂ 2 ♀♀, P. Lauterer lgt.

(MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 2 ♂♂, 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), on *Bupleurum* sp., 28.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 6 ♂♂ 4 ♀♀, P. Kment lgt. (MHBC, PKPC); 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to xerothermic localities in the southern part of the area. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Bupleurum* (especially *B. falcatum*) in xerothermic, open to half-shaded habitats on soils rich in calcium (WACHMANN *et al.* 2004). **Red List status:** Near-threatened.

**Comments.** The distribution in Moravia is poorly known; available records were reviewed by MALENOVSKÝ *et al.* (2011).

#### *Globiceps (Globiceps) sphaegiformis* (Rossi, 1790)

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 3 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area except its southernmost part but rare. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** Zoophytophagous. On deciduous trees and shrubs (e.g. on *Corylus*, *Quercus*, *Rhamnus*, *Prunus spinosa*, *Acer*, *Viburnum*, or *Carpinus*). In sunny places (along forest margins, on solitary trees and shrubs). Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Prossnitz [= Prostějov] (6568) (SPITZNER 1892), Uherské Hradiště (6970) (HOBERLANDT 1947), Pustiměř (6668), Tišnov – Předklášteří (6664), Brno – Bystrc (6765), Brno – Lískovec (Kamenný vrch hill, 6865), Zlín (6771–72) (STEHLÍK 1948, as *G. sphaegidiformis*), Rokytná (Tábor, 6963) (BRYJA *et al.* 2002, as *P. sphaegiformis*), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), Budkovice (Budkovické skály rocks, 6964), Kurdějov (Kamenný vrch hill, 7066), and Sedlec (Skalky, 7266) (MALENOVSKÝ *et al.* 2011).

#### *Globiceps (Kelidocoris) flavomaculatus* (Fabricius, 1794)

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Popov (71), 6.viii.1980, 3 ♂♂ 7 ♀♀, J. L. Stehlík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Korytná, Březi (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂, J. L. Stehlík lgt. (MMBC).

Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovecké Bošacký, cattle pasture (179), 24.vii.2005, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Vyškovecké Bošacký, meadow and orchard (180), 19.viii.2004, 1 ♀, I. Malenovský lgt., 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♂ 7 ♀♀, I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., P. Kment det., J. Bryja rev. (PKPC). Javorník, Machová NR (259), 13.vii.–10.viii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous. On herbaceous and shrubby vegetation in humid, open habitats, often along forest margins or among lower shrubs (e.g. *Salix*). Common (WACHMANN *et al.* 2004). **Red List status:** —.

#### ***Globiceps (Kelidocoris) fulvicollis* Jakovlev, 1877**

= *Globiceps (Kelidocoris) cruciatus* Reuter, 1879

**Published records.** HOBERLANDT (1947, as *G. cruciatus*): Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Popov (71), 6.viii.1980, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 1 ♂, 14.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 2 ♀♀, J. L. Stehlík & L. Pospíšilová lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 3 ♀♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♀, 27.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Eurosiberian and Central Asiatic. **Biology and habitat:** Zoophytophagous. On shrubs (e.g. *Calluna*, *Vaccinium*, and *Cytisus scoparius*) as well as on herbaceous vegetation in dry, open, as well as half-shaded habitats, including the undergrowth of open forests. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** —.

#### ***Grypocoris (Lophyromiris) sexguttatus* (Fabricius, 1777)**

**Published record.** STEHLÍK (1948, as *Calocoris sexguttatus*): Javorina [= Mt. Velká Javořina] (255).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 5 ♂♂ 2 ♀♀ (MUBC, PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀, M.

Horsák & P. Kment lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 4 ♀♀, P. Lauterer lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Žitková (163), 11.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, forest (269), forest margin, sweeping of undergrowth, 3.vii.2001, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 7 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to higher altitudes throughout the area. **General distribution:** West Eurosiberian (boreo-montane).

**Biology and habitat:** A polyphagous phytophage. On various herbs (e.g. *Stachys*, *Urtica*, *Galeopsis*, *Aconitum*, *Melampyrum*, and *Senecio*) in humid, half-shaded habitats, such as forest margins and clearings, vegetation along forest paths, and banks of streams. A boreo-montane species, preferring higher altitudes; rare (STEHLÍK 1952, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded from several localities in the Hrubý Jeseník Mts. (FIEBER 1864, as *Calocoris kolenatii* Fieber; SPITZNER 1892, STEHLÍK 1952, both as *Calocoris sexguttatus*), Mt. Velká Javořina in the Bílé Karpaty PLA, Třebíč (Lorenzovy sady park, 6760) (STEHLÍK 1948, as *Calocoris sexguttatus*), Mt. Králícký Sněžník (5767, 5866–67) (ŠTYS 1957, as *Calocoris sexguttatus*), Hraničky (5667d) in Rychlebské hory Mts. (ŠTYS 1959, as *Calocoris sexguttatus*), Moravskoslezské Beskydy Mts. (Mazák NNR, 6476) (ROHÁČOVÁ 1990a, as *Calocoris sexguttatus*), but also from the floodplain of the Poodří PLA (BRYJA & KMENT 2001).

#### *Hallodapus montandoni* Reuter, 1895

**Material examined.** Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found at one site in the southern part of the area with a Malaise trap. **General distribution:** South Eurosiberian and Central Asiatic. **Biology and habitat:** An epigeic species inhabiting xerothermic habitats, mostly on limestone, rarely on a sandy ground. Possibly associated with ants, especially *Myrmica* spp. Rare (WACHMANN *et al.* 2004, KMENT *et al.* 2005). **Red List status:** –.

**Comments.** In Moravia, *H. montandoni* has been known so far only from a few xerothermic localities in the Pannonicum: Sedlec (Slanisko u Nesyty NNR, 7266) (STEHLÍK 1961, WYNIGER 2006a,b), Dyje (7162), Oblekovice (7162) (KMENT *et al.* 2005, WYNIGER 2006a,b), and Žerotice (7062) (KMENT *et al.* 2005, WYNIGER 2006b).

#### *Halticus apterus apterus* (Linnaeus, 1758)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ (br), P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 4 ♂♂ 4 ♀♀ (br), P. Kment & I. Malenovský lgt., J. Bryja revid. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 4 ♂♂ 1 ♀ (br) 1 L, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂ (br), P. Kment & I.

Malenovský lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 4 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ (br), P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♀ (br), P. Kment lgt., 1.ix.2004, 17 ♂♂ 12 ♀♀ (br), 5.x.2004, 1 ♀ (br), 28.vii.2005, 2 ♂♂ 2 ♀♀ (ma) 101 ♂♂ 39 ♀♀ (br), I. Malenovský lgt., 12.vii.2006, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 6 ♀♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ (ma) 3 ♂♂ (br), P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♂♂ (br), P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 2 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 2 ♀♀ (br, 1 ♂ 1 ♀ in copula) J. L. Stehlík lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ (ma) 2 ♂♂ 2 ♀♀ (br), J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 3 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀ (br), P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 2 ♂♂ 2 ♀♀ (br), 6.ix.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 8 ♂♂ 9 ♀♀ (br), 11.vii.2009, 4 ♂♂ 2 ♀♀ (br), 16.viii.2009, 4 ♀♀ (br), P. Baňář lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ 2 ♀♀ (br), J. L. Stehlík lgt. (MMBC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ (ma) 6 ♂♂ 5 ♀♀ (br), 10.vii.2009, 7 ♂♂ 2 ♀♀ (br), Z. Malinka lgt. (ZMOC, 1 ♂ NMPC). Korytná, Březi (113), 5.vii.2001, 2 ♂♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Korytná (115), 23.vii.1951, 1 ♂ (br), J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ (br), P. Kment & I. Malenovský lgt., 13.viii.2001, 3 ♂♂ 11 ♀♀ (br), P. Kment lgt., 21.vii.2002, 44 ♂♂ 35 ♀♀ (br), I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 20.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 23.vii.1951, 2 ♂♂ (br), J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂ 4 ♀♀ (br), P. Lauterer, J. Stehlík & P. Raus lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♂ (br), I. Malenovský lgt., 3.ix.2005, 1 ♀ (br), P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 4 ♂♂ (br), 8.viii.2007, 1 ♂ (br) 1 ♀ (ma), P. Kment lgt. (PKPC). Vyškovce, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♀ (ma), 3.ix.2005, 8 ♂♂ 15 ♀♀ (br), I. Malenovský lgt. (PKPC). Vyškovce, Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂ 6 ♀♀ (br), P. Kment lgt., 3.ix.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Vyškovce, Bošačky, meadow and orchard (180), 19.viii.2004, 10 ♂♂ 3 ♀♀ (br), 25.ix.2004, 1 ♂ (br), P. Kment lgt., 3.ix.2005, 3 ♂♂ 4 ♀♀ (br), I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♀♀ (br), P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ (ma) 5 ♂♂ 3 ♀♀ (br), L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 3 ♂♂ 1 ♀ (br), 8.vii.2000, 2 ♂♂ (br), 17.viii.2000, 1 ♂ 3 ♀♀ (br), P. Kment lgt., 28.vii.2001, 2 ♂♂ 2 ♀♀ (ma) 2 ♂♂ 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂ (br), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♂ (br), 28.vii.2001, 1 ♂ 2 ♀♀ (br), P. Kment lgt., 27.vi.2002, 1 ♂ (ma) 4 ♂♂ 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀ (br), 16.viii.2000, 2 ♀♀ (br), P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 2 ♂♂ 2 ♀♀ (br), Z. Malinka lgt. (ZMOC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 3 ♂♂ 2 ♀♀ (br), P. Kment lgt., 24.vii.2000, 4 ♂♂ 4 ♀♀ (br), I. Malenovský lgt., 18.viii.2000, 1 ♂ (ma) 3 ♂♂ 4 ♀♀ (br), P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂ (ma) 2 ♂♂ 1 ♀ (br), 16.viii.2004, 2 ♂♂ 2 ♀♀ (br), 27.vii.2005, 16 ♂♂ 8 ♀♀ (br), I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 16.viii.2004, 3 ♂♂ 3 ♀♀ (br), P. Kment lgt., 27.vii.2005, 224 ♂♂ 146 ♀♀ (br), 1.ix.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 2 ♂♂ 3 ♀♀ (br), P. Kment lgt., 1.x.2004, 1 ♂ (br), 27.vii.2005, 2 ♂♂ (ma) 20 ♂♂ 25 ♀♀ (br), 1.ix.2005, 1 ♂ 1 ♀ (br), I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♀ (ma) 15 ♂♂ 9 ♀♀ (br), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 9 ♂♂ 5 ♀♀ (br), I. Malenovský lgt., 18.viii.2000, 3 ♂♂ 8 ♀♀ (br), P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt., 7.ix.2002, 3 ♂♂ 1 ♀ (br), 27.vii.2005, 1 ♂ 3 ♀♀ (ma), I. Malenovský lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 20.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂ (br), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Maghreb and Central Asiatic;

introduced to North America. **Biology and habitat:** On Fabaceae (*Ononis*, *Trifolium*, *Vicia*, *Lathyrus*, *Lotus*, etc.), Rubiaceae (*Galium*, *Asperula*) and Scrophulariaceae (*Odontites*) in open, dry to slightly humid habitats (e.g. meadows and ruderal vegetation). Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Halticus luteicollis* (Panzer, 1804)**

**Material examined.** Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Korytná (115), 23.vii.1951, 1 spec., J. L. Stehlík lgt. (MMBC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Boršice u Blatnice, towards Hluk (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 4 ♂♂ 8 ♀♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, rare. **General distribution:** West Eurosiberian, extending to Maghreb, Anatolia and Transcaucasia. **Biology and habitat:** On Fabaceae (e.g. *Ononis*, *Trifolium*, *Vicia*, *Lathyrus*, and *Lotus*), Rubiaceae (*Galium*, *Asperula*) and Scrophulariaceae (*Odontites*) in open, dry to slightly humid habitats (e.g. meadows and ruderal vegetation). Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Widespread in Moravia, but poorly documented in literature (see RAUS 1990, MALENOVSKÝ *et al.* 2011).

***Halticus pusillus* (Herrich-Schaeffer, 1835)**

(VU)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ 2 ♀♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 37 ♂♂ 7 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 10 ♂♂ 11 ♀♀, P. Kment lgt., 21.vii.2002, 22 ♂♂ 24 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, P. Lauterer lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Not rare but confined to xerothermic habitats in the southern part of the area. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Galium*, possibly also on Fabaceae, in xerothermic habitats. Rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** First recorded for Moravia by STEHLÍK (1946a), under a wrong name and an incorrect year of description: “*Halticus apterus* H. S. 1935. Mohelno 20.VIII.1943 (lgt. prof. Šnoflák)”. ROUBAL (1968) listed this Stehlík’s record from Mohelno (6863) correctly as *H. pusillus*. Later *H. pusillus* was recorded by KMENT (2001) from the Čertoryje NNR in the Bílé Karpaty PLA, BRYJA & KMENT (2006a) from Mikulov (Svatý kopeček NR, 7165), and by MALENOVSKÝ *et al.* (2011) from eight additional localities within the Pannonicum.

*Harpocera hellenica* Reuter, 1876

**Material examined.** Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in Malaise trap samples from two localities in the south of the area. **General distribution:** Ponto-Mediterranean, extending to the Pannonicum. Recorded from Albania, Bulgaria, Greece, Asian Turkey, Israel, Jordan (KERZHNER & JOSIFOV 1999, CARAPEZZA 2002), Czech Republic, perhaps also from Slovakia (KMENT *et al.* 2005) and Austria (RABITSCH 2010). **Biology and habitat:** A zoophytophagous species living on oaks (*Quercus* spp.). It overwinters in the egg stage, adults appear for only a short period in May (JOSIFOV 1978, KMENT *et al.* 2005, RABITSCH 2010). Apparently rare. **Red List status:** Not evaluated; a candidate species for the next edition of the Red List.

**Comments.** *Harpocera hellenica* was first recorded from central Europe based on two females collected on May 9, 2003, on the Děvín hill near Pavlov (7165); another freshly hatched and badly preserved male from Devínska Kobyla in southwestern Slovakia was tentatively assigned to this species as well (KMENT *et al.* 2005). RABITSCH (2010) collected several males and females on May 1, 2010, in Wien – Stammersdorf in Austria. Here we present two additional localities apparently situated on the very northern limit of the species' distributional range.

*Harpocera thoracica* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 2 ♀♀ (1 ♀ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 15 ♂♂ 12 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 3 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Strání (149), 9.vi.1991, 1 ♂, P. Kapitola lgt., K. Hradil det. (KHMC). Žitková, Hutě NR (164), 9.–29.v.2007, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov (173), 8.vi.1991, 5 ♂♂ 2 ♀♀, P. Kapitola lgt., K. Hradil det. (KHMC). Vyškovec, Pod Hřibovnou NM (176), 21.v.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♂, I. Malenovský lgt., K. Hradil det. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 8.iv.–12.v.2009, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.v.2000, 6 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 43 ♂♂ 35 ♀♀, 12.v.–2.vi.2009, Mt, 21 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 36 ♂♂ 32 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♀, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 23 ♂♂ 22 ♀♀, 12.v.–3.vi.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det., 8.v.2000, 3 ♀♀, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 32 ♂♂ 18 ♀♀, 8.–28.v.2007, Mt, 204 ♂♂ 119 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt.,



5.–24.v.2010, Mt, 7 ♂♂ 7 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC); 5.–25.v.2010, Mt, 12 ♂♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 7.iv.–13.v.2009, Mt, 5 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area, especially in its southern part. **General distribution:** West Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** Zoophytophagous, associated with *Quercus*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

*Heterocapillus tigris* (Mulsant et Rey, 1852) (VU) (Fig. 4)

**Published records.** HOBERLANDT (1947, as *Atractotomus tigris*): Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2004, 2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 5 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC, PKPC); 30.vi.2004, 1 ♂ 1 ♀, 28.vii.2005, 2 ♂♂ 6 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Hostětín (70), 10.viii.1970, 1 ♂, L. Pospíšilová lgt. (MMBC). Lipov, Pešunk (100), 27.vi.2008, 12 ♂♂ 5 ♀♀, Z. Malinka lgt. (ZMOC, 1 ♀ NMPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 82 ♂♂ 56 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Korytná (115), 23.vii.1951, 7 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov (173), 23.vii.1951, 5 ♂♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 9 ♂♂ 3 ♀♀, 26.vi.–14.vii.2008, Mt, 8 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 5 ♂♂ 4 ♀♀, 8.vii.2000, 2 ♀♀, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 21 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂ 1 ♀, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 6 ♂♂ 2 ♀♀ 1 L, J. L. Stehlík lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Strání, Záhumenice NM (266), 2.vii.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Quite frequent in xerothermic habitats in the southern part of the area; the findings near Hostětín and Nedašov in the northern part of the Bílé Karpaty are remarkable as they are situated on the northern limit of the species' distributional range. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** On *Dorycnium* in xerothermic, open habitats, especially on calcium-rich soils (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic known only from Moravia, where it is confined to the Pannonicum and the Bílé Karpaty Mts. (see MALENOVSKÝ *et al.* 2011).

*Heterocordylus (Bothrocranium) erythrophthalmus erythrophthalmus* (Hahn, 1833)

**Material examined.** Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 3 ♀♀, J. L. Stehlík & L. Pospíšilová lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek

lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, on *Rhamnus cathartica*, 1 ♂ 3 ♀♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 7 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to xerothermic sites in the southern part of the area. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** Zoophytophagous. On *Rhamnus cathartica*, rarely on *Prunus spinosa*, in sunny habitats, usually along forest margins and hedges (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** A thermophilous species, poorly documented in Moravia, with only five published localities (MALENOVSKÝ *et al.* 2011).

### *Heterocordylus (Heterocordylus) cytisi* Josifov, 1958

**Material examined.** Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Javorník, loampit (235), 24.v.2002, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (JBSC, PKPC). Javorník, SW slopes of Háj hill (238), 19.vi.1980, 4 ♂♂, P. Lauterer lgt. (MMBC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♂♂ 1 ♀, P. Lauterer lgt., 6 ♂♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 2 ♂♂, P. Lauterer lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 24.v.–15.vi.2010, Mt, 3 ♂♂, 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined.** MORAVIA: Malhostovice, Malhostovická pecka NM (N 49°19'33.09" E 16°29'42.35"; 6664), dry grassland on limestone rock, 28.v.1998, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Kobylí (7067), 8.vi.1942, 1 ♂, Dr. Hoffer lgt., L. Hoberlandt det. as *H. leptocerus* (NMPC). Mikulov, Svatý kopeček NR (N 48°48'25" E 16°38'50"; 7165), steppe on limestone, 4.vi.2001, 2 ♀♀ (1 ♀ freshly hatched), P. Kment lgt., J. Bryja det. as *H. genistae* (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, restricted to xerothermic sites in the southern part of the area. **General distribution:** Balkan-Pannonian, extending to Ukraine. **Biology and habitat:** On *Chamaecytisus* (= *Cytisus*) *supinus* (JOSIFOV 1958, 1963; GÖLLNER-SCHIEDING & ARNOLD 1988), associated with xerothermic grasslands in Moravia. **Red List status:** Not evaluated; a candidate species for a future edition of the national Red List.

**Comments.** The species was described by JOSIFOV (1958) based on specimens from the slopes of Belasitsa Mt. near Petrich in south-western Bulgaria, where it was repeatedly collected also in the subsequent years (JOSIFOV 1960, 1963, 1999; GÖLLNER-SCHIEDING & ARNOLD 1988). KERZHNER (1964) listed it from western Ukraine without further details; according to ROSHKO (1976), it is a common species in the south-western foothills of the Transcarpathian Ukraine, facing the Pannonicum. JOSIFOV (1999: 61) mentioned that “it was also found in the Crimean Peninsula” without precisising the source of this information. However, PUTSHKOV & PUTSHKOV (1996) did not list *H. cytisi* from Crimea. GOGALA & GOGALA (1986) and GOGALA (2006) recorded it from several localities in Slovenia. Finally, JOSIFOV (1986) listed *H. cytisi* also from Macedonia, but without any exact locality (see PROTIĆ 1998). Here we provide the first confirmed records for central Europe and the Czech Republic. Specimens published as *Heterocordylus leptocerus* from

Kobylí by HOBERLANDT (1947) and as *H. genistae* from Svatý kopeček NR near Mikulov by BRYJA & KMENT (2006a), both in southern Moravia, were revised; they also belong to *H. cytisi*.

The distribution of the host plant, *Chamaecytisus supinus*, covers the Sub-Mediterranean zone of Europe from north-eastern Spain through southern France, northern Italy, and the Balkan Peninsula to northern parts of Asian Turkey, reaching as far in the north as to Verdun in north-eastern France, the eastern Alps along the Danube river up to Regensburg in Bavaria, Bohemia, Moravia, southern Poland, Slovakia, the Carpathians in Romania, and the westernmost Ukraine (SKALICKÁ 1995). This is a much wider area than the currently known distributional range of *H. cytisi*; further discoveries of *H. cytisi*, at least in the northern parts of the Balkan Peninsula and the Pannonicum, thus can be expected.

*Heterocordylus cytisi* is missing in the basic identification keys for the central European Heteroptera (e.g. WAGNER 1952, 1967). This is the main reason for why the species has remained overlooked so far, having been misidentified as either *H. genistae* (females) or *H. leptocerus* (males) previously. However, the males can be easily identified using the original description (JOSIFOV 1958), as well as the keys by KERZHNER (1964) and WAGNER (1974). For the identification of females, we recommend the shape of the squama covering the base of the ovipositor, which is short, in shape of an equilateral triangle in *H. genistae*, while it is distinctly elongated, in form of a narrow isosceles triangle in *H. cytisi* (see KERZHNER 1964).

### *Heterocordylus (Heterocordylus) genistae* (Scopoli, 1763)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 6 ♂♂ 9 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, MUBC, PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2002, 5 ♂♂ 2 ♀♀ 1 L, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 4 ♂♂ 7 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 4 ♀♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♂ 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 3 ♂♂ 7 ♀♀, L. Pospíšilová lgt. (MMBC). Brumov, Holý vrch hill (79), 14.vi.1971, 12 ♂♂ 21 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ 1 ♀, Z. Malinka lgt. (ZMOC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ 7 ♀♀, P. Kment & I. Malenovský lgt., 23.v.2002, 15 ♂♂ 11 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 23.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 23.vii.1951, 2 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Komňa, Lom Rasová NM (128), on *Genista tinctoria*, 5.vii.2001, 3 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 9 ♂♂ 13 ♀♀ (1 ♂ 2 ♀♀ freshly hatched), I. Malenovský lgt., 18.viii.2004, 1 ♀, P. Kment lgt., 24.vii.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 2 ♀♀, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 5 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC). Petrov [as Pavlov u Radějova] (182), vi.1946, 1 ♀, Raušer (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 8 ♂♂ 13 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle

pasture (242), 29.vi.2001, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♀, P. Kment lgt., 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 3 ♂♂ 6 ♀♀, L. Pospíšilová lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 15.vi.–13.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Additional material examined. MORAVIA:** Moravia mer., Chřiby [Hills], 1.viii.1942, 2 ♂♂, Dr. Hoffer lgt., L. Hoberlandt det., as *H. leptocerus* (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in xerothermic sites throughout the area. **General distribution:** European, extending to Transcaucasia.

**Biology and habitat:** Zoophytophagous. On *Genista* (especially *G. tinctoria*) and *Cytisus* (e.g. *C. scoparius*), in xerothermic habitats. Common (WACHMANN *et al.* 2004).

**Red List status:** –.

#### [*Heterocordylus (Heterocordylus) leptocerus* (Kirschbaum, 1856)]

**Comments.** Zoophytophagous. On *Cytisus scoparius*, as well as other species of *Cytisus* and *Genista*, inhabiting open to half-shaded habitats (WACHMANN *et al.* 2004). JOSIFOV (1958) found it in south-western Bulgaria on *Chamaecytisus supinus* together with *H. cytisi*. *Heterocordylus leptocerus* is known from Austria, Belarus, Bulgaria, Czech Republic, Denmark, France, Germany, Hungary, Italy, Macedonia, the Netherlands, Poland, Romania, Russia (South and Central European Territory), Serbia, Slovakia, Slovenia, Spain, Sweden, Ukraine, Asian part of Turkey, Georgia, and West Siberia (KERZHNER & JOSIFOV 1999, PROTIĆ 1998, VINOKUROV & GOLUB 2007). WACHMANN *et al.* (2004) considered it widespread and locally not rare in Germany, with a number of records decreasing from the south to the north, while being rare and scattered in Austria. For the Czech Republic, HOBERLANDT (1977b) listed *H. leptocerus* from both Bohemia and Moravia. The records from Bohemia were based on DALLA-TORRE (1878): the environs of Wies [demolished village near the border crossing Svatý Kříž – Waldsassen] (5940) and Schalda [not identified] near Cheb; DUDA (1884, 1886): cited as rare from the environs of Prag [= Praha]; and ROUBAL (1957): Vroutek (5846). However, all specimens in NMPC (harbouring Duda's collection) previously identified as *H. leptocerus* turned to belong to four different species after a revision; we cannot thus confirm a presence of *H. leptocerus* in Bohemia for the time being. For Moravia, *H. leptocerus* was recorded only by HOBERLANDT (1947) from Kobyli (7067) and the Chřiby Hills; the male from Kobyli, however, belongs to *H. cytisi* and the specimens from the Chřiby Hills have been re-identified as *H. genistae* (P. Kment revid.). As there is currently no verified record of *H. leptocerus* from Moravia, the species is to be excluded from the list of the Moravian fauna.

#### *Heterocordylus (Heterocordylus) tibialis* (Hahn, 1833)

**Material examined.** Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♂, P. Kment lgt., J. Bryja det. (JBSC).

**Additional material examined. MORAVIA:** Bransouze, 2 km W, valley of Bransouzský potok brook (6660), on *Cytisus scoparius*, 2.vi.2005, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Havraníky, Havranické vřesoviště heathland (7161–62), 27.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Popice (7162), heathland, 27.–29.v.1997, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, known only from one site in the southern part of the area. **General distribution:** European and Holomediterranean. **Biology and habitat:** Zoophytophagous. Predominantly on *Cytisus scoparius*, rarely on *Genista* species, preferring more humid habitats than *H. genistae*. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Račic [= Račice] (6767) and Protivanov (6566–67) (SPITZNER 1892).

### *Heterocordylus (Heterocordylus) tumidicornis* (Herrich-Schaeffer, 1835)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 3 ♂♂ 2 ♀♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂ 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 3 ♀♀, P. Lauterer lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Lopeník (152), 8.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 25.v.2000, 3 ♂♂, P. Kment & I. Malenovský lgt. (MHBC, PKPC); 18.vi.2000, 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♂♂ 1 ♀, J. Meduna & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♂♂ 5 ♀♀, P. Lauterer, J. Meduna & J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** Zoophytophagous. On *Prunus spinosa* on sunny margins of shrubberies. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

### *Heterotoma merioptera* (Scopoli, 1763)

**Published records.** KMENT & BRYJA (2006): Radějov, Žerotín NM (188); Velká nad Veličkou, Zahrady pod Hájem NNR (225).

**Material examined.** Sudoměřice, Sudoměřický potok brook W of Staré hory hill (187), 12.vii.2006, 1 ♂, P. Chvojka lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to xerothermic localities in the southern part of the area. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** Zoophytophagous. Euryecious, more thermophilous than *H. planicornis* (Pallas, 1772); in the Czech Republic mostly found in xerothermic habitats in central Bohemia and southern Moravia, not rare (reviewed in detail in KMENT & BRYJA 2006). **Red List status:** –.

***Hoplomachus thunbergii* (Fallén, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂ 1 ♀ 1 L, L. Pospíšilová lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Strání, Dúbrava hill (150), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite rare. **General distribution:** West Eurosiberian, extending to Transcaucasia.

**Biology and habitat:** On *Hieracium pilosella*, rarely on other Asteraceae (*Senecio erucifolius*, *Leucanthemum vulgare*, *Hippocrepis* sp.), in xerothermic habitats on sandy or limestone substrates with low vegetation. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia listed by SPITZNER (1892) without exact data on locality. Later recorded from Hraničky (5667) and Plesnivec [Mt.] (5667) in the Rychlebské hory Mts. (ŠTYS 1956, 1959), Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 1985), Moravský Krumlov (Křížová skála rock, 6963), Budkovice (Budkovické skály rocks, 6964) (BRYJA *et al.* 2002), Újezd u Brna (Špice NR, 6866), Kurdějov (Kamenný vrch hill, 7066) (MALENOVSKÝ *et al.* 2011), Krásná pod Lysou horou (Obidová NM, 6477) (ROHÁČOVÁ 2011), and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

***Horistus (Primihoristus) orientalis* (Gmelin, 1790)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 2 ♂♂ 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 4 ♂♂ 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** A polyphagous phytophage collected on Liliaceae, *Galium*, *Verbascum*, *Achillea*, *Senecio*, and *Bromus*. Euryecious, in xerothermic as well as humid, half-shaded habitats. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from the environs of Brunn [= Brno] (6765–66, 6865–66), Napajedl [= Napajedla] (6871) (SPITZNER 1892, as *Lopus albomarginatus*), Pravlov (6964) (STEHLÍK & HOBERLANDT 1954, as *Capsodes*

*lineolatus*), Budkovice (6964; Budkovický les forest, 6963) (BRYJA *et al.* 2002), Syrovice (Bezourek, 6965), Hustopeče u Brna (Přední kopaniny, 7066), and Sedlec (Skalky, 7266) (MALENOVSKÝ *et al.* 2011).

***Icodema infuscata* (Fieber, 1861)**

(VU)

**Material examined.** Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 2 ♂♂ (1 ♂ freshly hatched), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Moravský Krumlov, Svatý Florián (6963), 270–310 m a.s.l., 14.vi.1983, 9 ♀♀, P. Lauterer lgt. (MMBC). Pouzdřany (7065), 18.v.1968, 19 ♂♂ 11 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Klentnice, Kotelná hill (7165), 3 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Klentnice – Perná (7165), 9.viii.1962, 17 ♂♂ 36 ♀♀ 6 L, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected with a Malaise trap at one xerothermic site close to the southern border of the area. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** On *Quercus* spp. in xerothermic, sunny habitats. Very rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** The species is reaching its northern distribution limit on xerothermic localities in the Pannonicum of southern Moravia. So far it has been collected there only on seven sites, reviewed by MALENOVSKÝ *et al.* (2011). Some additional records based on a recently revised museum material are provided here.

***Isometopus intrusus* (Herrich-Schaeffer, 1835)**

**Material examined.** Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Brno – Nový Lískovec, Kamenný vrch hill (6865), abandoned orchard (*Prunus*, *Malus*, *Armeniaca*), 23.vi.2005, 1 L, P. Lauterer lgt. (PKPC). Lednice (7166), 15.vii.1971, 1 ♂, Z. Pecha lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only with Malaise traps at two sites in the southern part of the area. **General distribution:** European, extending to Anatolia and Iran. **Biology and habitat:** A zoophagous species living on stems of deciduous trees, especially *Tilia*, *Malus*, and *Fraxinus*, more rarely on *Alnus*, *Quercus*, *Pyrus*, *Prunus*, etc. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known only from Brno (Žlutý kopec hill, 6865) (STEHLÍK 1958) and Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985). Records from Bohemia were published in ŠTUSÁK & ŠTYS (1959).

***Leptopterna dolabrata* (Linnaeus, 1758)**

**Published record.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 4 ♂♂ 1 ♀ (ma), 23.vi.–16.vii.2008, Mt, 2 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 5 ♂♂ 2 ♀♀ (ma) 2 ♀♀ (br), M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR

(32), 2.vii.1999, 2 ♂♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ (ma), M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂ 2 ♀♀ (ma), P. Kment & I. Malenovský lgt., 1.vi.2002, 1 ♂ (ma), I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♂♂ 1 ♀ (ma), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂ (ma) 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 2 ♂♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ (ma) 1 ♀ (br), P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♂ (ma) 5 ♀♀ (br) (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ (ma) 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 15 ♂♂ 3 ♀♀ (ma) 17 ♀♀ (br), I. Malenovský lgt. (PKPC). Petrůvka, Kládenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Slavičín (69), 10.vii.1989, 2 ♀♀ (ma) 3 ♀♀ (br), I. Vavřínová lgt. (MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 13 ♂♂ (ma) 1 ♀ (br), I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 2 ♂♂ 2 ♀♀ (ma) 2 ♀♀ (br), L. Pospíšilová lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀ (br), P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂ (ma) 2 ♀♀ (br), P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀ (br), P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♂ (ma) 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 3 ♂♂ (ma) 2 ♀♀ (br), 11.vii.2009, 4 ♂♂ (ma) 3 ♀♀ (br), P. Baňar lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ (ma) 8 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♂ (ma) 3 ♀♀ (br), P. Lauterer lgt., L. Pospíšilová lgt. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♀ (br), 24.vii.1980, 2 ♂♂ (ma), J. L. Stehlík lgt. (MMBC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Březová, spring fen ca. 600 m SE below Studený vrch hill (138), 5.vii.2001, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 2 ♂♂ (ma) 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♀ (sma), P. Kment lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♂ (ma) 1 ♀ (br), L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 27.vi.2004, 2 ♂♂ 1 ♀ (ma) 2 ♀♀ (br), 24.vii.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 3 ♂♂ (ma), L. Pospíšilová lgt. (MMBC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 5 ♂♂ (ma), 19.vi.–11.vii.2007, Mt, 3 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀ (ma), P. Kment lgt. (PKPC). Výškovec, Pod Hřibovnou NM (176), 28.vi.2004, 23 ♂♂ (ma) 11 ♀♀ (br), I. Malenovský lgt., 24.vii.2005, 4 ♀♀ (br), P. Kment lgt. (PKPC). Bošačky, cattle pasture (179), 27.vi.2004, 5 ♂♂ 2 ♀♀ (ma) 4 ♀♀ (br), I. Malenovský lgt. (PKPC). Výškovské Bošačky, meadow and orchard (180), 27.vi.2004, 2 ♂♂ 2 ♀♀ (ma), I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂ (ma) 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♂♂ (ma) 2 ♀♀ (br), L. Pospíšilová & Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀ (ma), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 2 ♂♂ (ma), P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 62 ♂♂ 8 ♀♀ (ma) 31 ♀♀ (br), P. Kment & I. Malenovský lgt., 18.vi.2000, 2 ♂♂ (ma) 6 ♀♀ (br), I. Malenovský lgt., 22.vi.2001, 35 ♂♂ (ma) 34 ♀♀ (br), P. Kment & I. Malenovský lgt., 27.vi.2002, 2 ♂♂ (ma) 14 ♀♀ (br), I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ (ma) 1 ♀ (br), P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 30 ♂♂ (ma), 26.vi.–15.vii.2008, Mt, 4 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou (220), no date, 1 ♀ (br), no collector (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀ (br), P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 2 ♂♂ (ma) 1 ♀ (br), I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 3 ♂♂ 1 ♀ (ma) 3 ♀♀ (br), I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 1 ♂ (ma) 1 ♀ (br), I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 1 ♂ (ma) 2 ♀♀ (br), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♂♂ (ma), I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂ (ma), 25.vi.–15.vii.2009, Mt, 2 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♂♂ (ma) 2 ♀♀ (br), P. Lauterer, J. L. Stehlík & J. Meduna lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 10 ♂♂ (ma) 1 ♀ (br), 25.vi.–15.vii.2009, Mt, 3 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ (ma) 1 ♀ (ma) 1 ♀ (br), 23.vi.2004, 3 ♂♂ (ma) 1 ♀ (ma) 1 ♀ (br), I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 12 ♂♂ (ma) 12 ♀♀ (br), P. Kment lgt., 24.v.2002, 6 ♂♂ (ma), P. Kment & I. Malenovský lgt., 23.vi.2004, 40 ♂♂ (ma) 65 ♀♀ (br), I.



True bugs (Hemiptera: Heteroptera)

Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀ (ma), J. L. Stehlík lgt. (MMBC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂ (ma), L. Pospíšilová lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ (ma), P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 9 ♂♂ (ma), 18.vi.–9.vii.2007, Mt, 2 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 2 ♂♂ (ma), P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 3 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 12 ♂♂ (ma) 7 ♀♀ (br), 23.v.2002, 1 ♀ (ma), I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂ (ma) 5 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♂♂ (ma) 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 1 ♂ (ma), 23.vi.–15.vii.2009, Mt, 9 ♂♂ (ma), 15.vii.–6.viii.2009, Mt, 3 ♂♂ (ma) 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, introduced to North America. **Biology and habitat:** On Poaceae (*Phleum*, *Alopecurus*, *Holcus*, *Dactylis*). Euryecious, in open to half-shaded, humid to dry, usually eutrophic grassland. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

*Liocoris tripustulatus* (Fabricius, 1781)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 17.viii.2006, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Sidonie, Sidonie NR (87), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Korytná, Břeží (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, P. Raus lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, 8.viii.2007, 1 ♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, valley of Járkovec brook (201), 17.viii.2000, sweeping of *Urtica* sp., 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 2 ♂♂ 4 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, village (206), 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 2 ♀♀, Z. Malinka lgt. (ZMOC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♀, 15.vii.–5.viii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt., 10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♀, 12.v.–3.vi.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 2 ♂♂ 1 ♀, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, extending to the Near East, and Central Asiatic. **Biology and habitat:** On *Urtica* (*U. dioica*, *U. urens*). Euryecious, in sunny, open habitats as well as more humid places, such as forests and their margins, gardens and ruderal sites. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Lopus decolor* (Fallén, 1807)**

**Published record.** HOBERLANDT (1947): Javorina (942 m) [= Mt. Velká Javořina] (255).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 28.vii.2005, 3 ♂♂ 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 3 ♂♂ 6 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Korytná (115), 23.vii.1951, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 6 ♂♂ 6 ♀♀, J. L. Stehlík lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 25 ♂♂ 26 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 24.vii.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 19.viii.2004, 1 ♀, 24.vii.2005, 51 ♂♂ 107 ♀♀, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 27.vii.2005, 6 ♂♂ 18 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the northern and central parts of the area, rare in the southern part. **General distribution:** West Eurosiberian, introduced to North America and New Zealand. **Biology and habitat:** On Poaceae, especially *Agrostis* and *Avenella flexuosa*. In xerothermic habitats (often on sands), open as well as half-shaded (e.g. pine forests); preferring medium and higher altitudes. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from the Oslava river valley near Březník (6863) (STEHLÍK 1944), Mohelno (6863), Bzenec (7069), Rohatec (7169), Hodonín (7168), the Chřiby Hills, Mt. Velká Javořina (HOBERLANDT 1947), the Hrubý Jeseník Mts. (STEHLÍK 1952), Nové Vilémovice (5667), Žulová (5668) (ŠTYS 1959), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985), Baška (“Štěrkové náplavy řeky Ostravice”, 6376) (ROHÁČOVÁ 1994), the Poodří PLA: Bernartice nad Odrou (6373) (BRYJA & KMENT 2001), the Moravskoslezské Beskydy Mts.: Smrk NR (6476) (ROHÁČOVÁ 2001a), Kozlovice (Rybníky NR, 6475) (ROHÁČOVÁ 2003a), and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

***Lygocoris (Lygocoris) pabulinus* (Linnaeus, 1761)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC); 25.viii.–23.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 14.viii.2006, on *Corylus avellana*, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂ 4 ♀♀, I. Malenovský & T. Výmyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 1 ♂, I. Malenovský & T. Výmyslický lgt., 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 3 ♂♂ 3 ♀♀, M. Horsák & P. Kment lgt., 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt., 14.viii.2006, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 3 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Sidonie (88), 8.ix.1981, 2 ♂♂, 3 ♀♀, L. Pospíšilová lgt. (MMBC). Svatý Štěpán, Chladný vrch NM (93), 4.vii.–11.viii.2010, Mt, 2 ♂♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Korytná, Březi (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 3 ♀♀, Z. Malinka lgt.

#### True bugs (Hemiptera: Heteroptera)

(ZMOC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♂, L. Pospíšilová lgt. (MMBC); spruce forest margin, 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, 8.viii.2007, 4 ♂♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.viii.2000, 1 ♂, 22.vi.2001, 2 ♂♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, 12.viii.–9.ix.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 4 ♂♂ 2 ♀♀, I. Malenovský lgt., 18.viii.2000, 3 ♀♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 2 ♂♂, 22.vi.–15.vii.2009, Mt, 3 ♂♂ 4 ♀♀, 5.–24.viii.2009, Mt, 2 ♂♂, 24.viii.–16.ix.2009, Mt, 4 ♂♂, 16.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 6 ♂♂, 13.vii.–10.viii.2010, Mt, 3 ♂♂, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, 7.ix.–21.x.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (except most of the Mediterranean).

**Biology and habitat:** A polyphagous phytophage; predominantly on deciduous trees (Rosaceae and other families), but also on various herbs in humid habitats (e.g. *Urtica*, *Mentha*, *Filipendula*, *Atriplex*, *Solanum*, and *Rumex*), sometimes on cultivated crops. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Lygus gemellatus* (Herrich-Schaeffer, 1835)

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Horní Němčí, between village and Drahy NR (114), on *Achillea* sp., 13.viii.2001, 2 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 13.viii.2001, 1 ♀, P. Kment lgt., 20.vii.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 5 ♂♂ 4 ♀♀, I. Malenovský lgt., 25.v.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 5 ♂♂ 1 ♀, I. Malenovský lgt., 8.vii.2000, 4 ♂♂ 1 ♀, P. Kment lgt., 27.vii.2000, 6 ♂♂ 7 ♀♀, I. Malenovský lgt., 16.viii.2000, 7 ♂♂ 6 ♀♀, P. Kment lgt., 28.vii.2001, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂ (f. *adspersus*), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread, but common only in the southern part of the area.

**General distribution:** Holopalaearctic, extending to northern India. **Biology and habitat:** On *Artemisia vulgaris*, *A. campestris*, and *A. absinthium*. In xerothermic localities, including dry grassland and ruderal sites. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Lygus pratensis* (Linnaeus, 1758)

**Published records.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 2 ♀♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂ 1 ♀, 16.vii.–4.viii.2008, Mt, 1 ♂ 2 ♀♀, 4.–25.viii.2008, Mt, 1 ♂, 25.viii.–23.ix.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 9.ix.1999, 2 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 3 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det., 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♀, P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 1.vi.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt., 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 3 ♂♂, 5.x.2004, 2 ♂♂ (freshly hatched), 28.v.2005, 1 ♀, I. Malenovský lgt., 28.vii.2005, 22 ♂♂ 12 ♀♀, 4.ix.2005, 2 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♂, I. Malenovský lgt., 14.viii.2006, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 4 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 25.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt., 1.ix.2004, 1 ♀, 5.x.2004, 1 ♂, 16.vi.2006, 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňúr hill (56), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Bojkovice (65), 5.viii.1962, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♂, I. Malenovský lgt., 28.vii.2005, 2 ♀♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 4 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 4 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). 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True bugs (Hemiptera: Heteroptera)

Bošačky, meadow and orchard (180), 8.v.2004, 1 ♀, 19.viii.2004, 3 ♂♂ 2 ♀♀, 25.ix.2004, 2 ♂♂ 1 ♀, 24.vii.2005, 4 ♂♂, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC); 26.vi.–14.vii.2008, Mt, 3 ♂♂ 3 ♀♀, 14.vii.–5.viii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂ 2 ♀♀, 17.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂ 1 ♀, M. Omesová lgt. (MUBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 2 ♂♂, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Čertoryje NNR (202), 20.ix.2001, 2 ♂♂ 4 ♀♀, P. Kment lgt., 27.vi.2002, 2 ♀♀, I. Malenovský lgt., 17.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 14.ix.2004, 1 ♂, M. Horsák lgt. (MHBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, 14.vii.–12.viii.2010, Mt, 1 ♂ 4 ♀♀, 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, between village and Výzkum hill (205), 8.vii.2000, several spec., P. Kment observ., 28.vii.2001, on *Ballota nigra*, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 17.iv.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 5.v.2000, 26 ♂♂ 61 ♀♀, I. Malenovský lgt., 25.v.2000, 14 ♂♂ 13 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 34 ♂♂ 35 ♀♀, I. Malenovský lgt., 8.vii.2000, 26 ♂♂ 24 ♀♀, P. Kment lgt., 27.vii.2000, 90 ♂♂ 79 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 14 ♂♂ 27 ♀♀, 16.viii.2000, 19 ♂♂ 21 ♀♀, P. Kment lgt., 1.x.2000, 9 ♂♂ 13 ♀♀, 22.x.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 2.v.2001, 4 ♂♂ 13 ♀♀, 22.vi.2001, 1 ♀, P. Kment lgt., 28.vii.2001, 15 ♂♂ 21 ♀♀, I. Malenovský lgt., 20.ix.2001, 1 ♂ 3 ♀♀, P. 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Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, P. Kment lgt., J. Bryja det., 19.vi.2000, 2 ♂♂ 1 ♀, P. Kment lgt., 24.vii.2000, 2 ♂♂, I. Malenovský lgt., 18.viii.2000, 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 4 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 1 ♀, 15.vii.–6.viii.2009, Mt, 1 ♂ 2 ♀♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 1 ♀, 27.vii.2005, 1 ♀, 1.x.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂ 3 ♀♀, P. Kment lgt., 1.x.2004, 5 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 3 ♀♀, 19.vi.2000, 18 ♂♂ 9 ♀♀, I. Malenovský lgt., 18.viii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., 10.ix.2000, 7 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♀, 23.ix.2001, 1 ♂, P. Kment lgt., 24.v.2002, 2 ♀♀, 17.vii.2002, 23 ♂♂ 24 ♀♀, 7.ix.2002, 3 ♂♂ 3 ♀♀, 2.ix.2004, 2 ♂♂ 3 ♀♀, 1.ix.2005, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 2 ♂♂ 1 ♀, 23.ix.2001, 6 ♂♂ 3 ♀♀, P. Kment lgt., 24.v.2002, 5 ♀♀, P. Kment & I. Malenovský lgt., 17.vii.2002, 48 ♂♂ 61 ♀♀, 7.ix.2002, 5 ♂♂ 7 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 24.viii.–16.ix.2009, Mt, 2 ♀♀, 16.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 16.ix.–21.x.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂, 7.ix.–21.x.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt., J. Bryja det., 8.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 2 ♂♂, 8.–28.v.2007, Mt, 1 ♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 3 ♂♂ 2 ♀♀, 9.vii.–2.viii.2007, Mt, 8 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♂, 15.vi.–13.vii.2010, Mt, 1 ♀, 13.vii.–10.viii.2010, Mt, 6 ♂♂ 2 ♀♀, 7.ix.–21.x.2010, Mt,

1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 2 ♀♀, 9.vii.–2.viii.2007, Mt, 2 ♂♂ 3 ♀♀, 2.–22.viii.2007, 1 ♀, 22.viii.–10.ix.2007, 1 ♂, 10.ix.–3.x.2007, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 24.v.2001, 1 ♂, I. Malenovský lgt., 9.viii.2001, 7 ♀♀, P. Kment lgt., 21.ix.2001, 6 ♂♂ 10 ♀♀, 23.v.2002, 3 ♀♀, 20.vii.2002, 25 ♂♂ 10 ♀♀, 12.ix.2002, 1 ♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 3 ♂♂ 3 ♀♀, P. Kment lgt., 21.ix.2001, 7 ♂♂ 9 ♀♀, I. Malenovský lgt., 23.v.2002, 1 ♂, P. Kment lgt., 20.vii.2002, 12 ♂♂ 13 ♀♀, 12.ix.2002, 12 ♂♂ 27 ♀♀, I. Malenovský lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Nová hora NR (268), 16.v.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Strání, Javorina NNR (269, 270), 29.x.2011, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♀, P. Kment lgt., 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 2 ♀♀, 23.vi.–15.vii.2009, Mt, 2 ♂♂ 9 ♀♀, 15.vii.–6.viii.2009, Mt, 3 ♂♂ 3 ♀♀, 24.viii.–17.ix.2009, Mt, 1 ♀, 17.ix.–21.x.2009, Mt, 2 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holopalaearctic (except south-eastern areas), extending to northern India. **Biology and habitat:** A polyphagous phytophage, with some preference for Asteraceae. Euryecious, in xerothermic as well as mesic habitats (including ruderal sites), more rarely in humid and shaded places. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Lygus rugulipennis* Poppius, 1911

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 4 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 14.viii.2006, 1 ♀, P. Kment lgt., 1.x.2007, 2 ♂♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, town (37), 2.vii.1999, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♀, P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 24.viii.2002, 1 ♂ 2 ♀♀, 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploštiny ridge (43), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 1 ♂ 5 ♀♀, I. Malenovský lgt., 4.ix.2005, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♀, I. Malenovský lgt., 14.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Bojkovice (65), 5.viii.1962, 1 ♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Slavičín (69), 10.vii.1989, 1 ♂, I. Vavřínová lgt. (MMBC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 7 ♂♂ 5 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., J. Bryja det.; 11.ix.1999, 11 ♂♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂, 5.x.2004, 3 ♀♀, 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 2 ♂♂ 1 ♀, L. Pospišilová lgt. (MMBC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Slavkov, village (103), on *Tamarix parviflora*, 3.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂, 11.vii.2009, 6 ♂♂ 2 ♀♀, P. Baňář lgt. et det. (MMBC).

True bugs (Hemiptera: Heteroptera)

Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 3 ♂♂ 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 13.viii.2001, 2 ♂♂ 9 ♀♀, 21.ix.2001, 3 ♂♂, P. Kment lgt., 20.vii.2002, 5 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂, P. Lauterer lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Březová, Cestiska NM (136), 2.x.2007, 2 ♂♂ 2 ♀♀, O. Konvička lgt. (NMPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.ix.1998, 3 ♂♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.ix.2001, 2 ♀♀, I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Lopeník, U Zvonice NM (155), 5.ix.2005, 3 ♀♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♀, I. Malenovský lgt., 25.ix.2004, 3 ♂♂, 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 27.vi.2004, 3 ♂♂, I. Malenovský lgt., 25.ix.2004, 12 ♂♂ 12 ♀♀, P. Kment lgt., 21.v.2005, 1 ♂, 3.ix.2005, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♀, I. Malenovský lgt., 19.viii.2004, 1 ♂, 25.ix.2004, 1 ♂ 2 ♀♀, P. Kment lgt., 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 1 ♀, 8.vii.2000, 1 ♀, 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 2 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 20.ix.2001, 5 ♂♂ 3 ♀♀, P. Kment lgt., 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt., 4.x.2002, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 12.viii.–9.ix.2010, Mt, 1 ♂, 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, between village and Výzkum hill (205), 8.vii.2000, several spec., P. Kment observ. Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 4.iii.–8.iv.2000, pt, 7 ♂♂ 1 ♀, P. Bezděčka lgt., 17.iv.2000, 6 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 5.v.2000, 12 ♂♂ 6 ♀♀, I. Malenovský lgt., 25.v.2000, 13 ♂♂ 10 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 34 ♂♂ 31 ♀♀, I. Malenovský lgt., 8.vii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., 27.vii.2000, 44 ♂♂ 17 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 16 ♂♂ 7 ♀♀, 16.viii.2000, 28 ♂♂ 17 ♀♀, P. Kment lgt., 1.x.2000, 31 ♂♂ 33 ♀♀, 22.x.2000, 7 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 2.v.2001, 6 ♂♂ 1 ♀, 22.vi.2001, 1 ♂ 3 ♀♀, P. Kment lgt., 28.vii.2001, 3 ♂♂ 2 ♀♀, I. Malenovský lgt., 20.ix.2001, 4 ♂♂ 2 ♀♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 2 ♂♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 8.vii.2000, several spec., P. Kment observ., 16.viii.2000, 3 ♂♂ 2 ♀♀, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 20.ix.2001, 1 ♂ 1 ♀, M. Omesová lgt. (MUBC). Hrubá Vrbka, village (212), 22.x.2000, under *Echium vulgare*, 1 ♀, P. Kment lgt. (PKPC); 27.–29.vi.2008, 1 ♂, Z. Malinka lgt. (ZMOC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt., 20.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou (220), 29.vi.1986, 1 ♂, J. Vilimová lgt. (JVPC). Velká nad Veličkou, village (222), at railway station, 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 5 ♀♀, P. Kment lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 1.ix.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♀, 27.vii.2005, 1 ♀, 1.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, ruderal vegetation, 1 ♀, P. Kment lgt., 1.x.2004, 1 ♀, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂, 19.vi.2000, 7 ♂♂ 10 ♀♀, I. Malenovský lgt., 18.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., 10.ix.2000, 4 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♀, I. Malenovský lgt., 29.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 3 ♀♀, I. Malenovský lgt., 23.ix.2001, 1 ♀, P. Kment lgt., 17.vii.2002, 1 ♂, 7.ix.2002, 2 ♂♂

1 ♀, 2.ix.2004, 2 ♂♂ 8 ♀♀, 1.ix.2005, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂ 1 ♀, 8.viii.2001, 1 ♀, 23.ix.2001, 5 ♂♂ 2 ♀♀, P. Kment lgt., 17.vii.2002, 3 ♂♂ 4 ♀♀, 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♀, 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., J. Bryja det. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♀ (NMPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♀, 8.–28.v.2007, Mt, 1 ♂, 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♀, P. Kment lgt., 21.ix.2001, 1 ♂, 20.vii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 21.ix.2001, 8 ♂♂, I. Malenovský lgt., 20.vii.2002, 2 ♂♂, P. Kment lgt., 12.ix.2002, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Strání, Nová hora NR (268), 16.v.1998, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 4 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 21.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC); 3.–23.vi.2009, Mt, 3 ♀♀, 6.–24.viii.2009, Mt, 3 ♂♂ 4 ♀♀, 24.viii.–17.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** A widely polyphagous phytophage. Euryecious. Very common (WACHMANN *et al.* 2004).

**Red List status:** –.

#### *Lygus wagneri* Remane, 1955

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 4 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja revid., 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja revid. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det., 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det., 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, on *Mentha longifolia*, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 1.ix.2004, 1 ♂ 1 ♀, 16.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Slavičín (69), 10.vii.1989, 1 ♂ 1 ♀, I. Vavřínová lgt. (MMBC). Bylnice (78), 6.ix.1978, 1 ♀, B. Dobšík lgt. (MMBC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀, 28.v.2005, 2 ♀♀, 6.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 1 ♂, Z. Malinka lgt. (NMPC). Trnovský Mlýn, sheep pasture (228), 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Vápenky / Strání, Mt. Velká Javořina (255), forest, 25.v.1999, 1 ♀, H. Hiršová lgt., J. Bryja det. (PKPC). Strání, Záhumenice NM (266), 5.–25.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♀, 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in higher altitudes of the northern and central parts of the area and in the environs of Mt. Velká Javořina; records from the xerothermic sites of Žerotín NM and Hrubá Vrbka in the southern part of the area are exceptional. **General distribution:** Eurosiberian. **Biology and habitat:** A polyphagous phytophage. Associated with herbs (e.g. *Solidago*, *Hieracium*, *Rumex*, and *Urtica*) in open habitats, regardless their humidity, also tolerant to shading. A boreo-montane species, preferring medium and higher altitudes. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.



### *Macrolophus glaucescens* Fieber, 1858

**Material examined.** Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC).

**Additional material examined. MORAVIA:** Brno – Židenice, above cemetery (6865), 260–290 m a.s.l., 9.vi.1982, 1 ♀, J. L. Stehlik lgt. (MMBC). Hustopeče, margins of vineyards at the road to Kurdějov (7066), on *Echinops sphaerocephalus*, 15.vi.2007, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, not collected in the course of the recent survey. **General distribution:** North Mediterranean, introduced to central Europe. **Biology and habitat:** On *Echinops sphaerocephalus* (WACHMANN *et al.* 2004). In xerothermic habitats, often ruderalized, mostly in warm lowlands. Not rare, but largely neglected (P. Kment, pers. observ.). **Red List status:** –.

**Comments.** In the Czech Republic published only from a few localities (STEHLÍK 1961, KMENT 2006). It is regarded as an alien species in the fauna of the Czech Republic, although its occurrence in the country, at least in Bohemia, dates back to 19th century (KMENT 2006).

### *Macrolophus pygmaeus* (Rambur, 1839)

**Material examined.** Valašské Klobouky, Královec hill (33), on *Salvia glutinosa*, 17.viii.2006, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC); 17.viii.2009, on *Salvia glutinosa*, J. A. Sanchez lgt. et det. (JSAS). Poteč, Ploštiny NR (42), on *Salvia glutinosa*, 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, forest (47), on *Salvia glutinosa*, 14.viii.2006, 1 spec., P. Kment lgt. (PKPC). Komňa, Nový Dvůr (130), 6.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), on *Stachys sylvatica*, 22.vi.2001, 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěč NNR (232), 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, forest (269), forest margin, sweeping of undergrowth, on *Stachys sylvatica*, 3.vii.2001, 1 ♂ 4 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area in forest undergrowth. **General distribution:** West Palaearctic. **Biology and habitat:** Zoophytophagous. Living on *Stachys sylvatica*, *Salvia glutinosa*, less frequently on other Lamiaceae, *Pulmonaria*, or other glandulous plants. In humid, shaded, as well as open and sunlit habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Macrolophus rubi* Woodroffe, 1957

**Published records.** HRADIL *et al.* (2008): Návojná (45), spruce forest below Vrchy hill; Valašské Klobouky, Bílé potoky NR, forest (47); Lopeník, Mikulčín vrch hill (160).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 17.viii.2009, on *Rubus fruticosus* agg., J. A. Sanchez lgt. et det. (JSAS). Nedašov, Kaňoury NM (55), 18.viii.2009, on *Corylus avellana*, J. A. Sanchez lgt. et det. (JSAS). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 5.–24.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Javorník, Jazevěč NNR (232), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěč NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 2 ♀♀,

18.vi.–9.vii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 22.vi.–15.vii.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, confined to forest undergrowth; rare, but possibly undersampled. **General distribution:** West Eurosiberian. **Biology and habitat:** Zoophytophagous. On *Rubus*, also on *Stachys sylvatica* (WACHMANN *et al.* 2004). Along forest margins and in undergrowth of natural deciduous as well as cultural spruce forests, mostly in medium and higher altitudes (264–1350 m). **Red List status:** –.

**Comments.** The distribution of *M. rubi* in the Czech Republic was reviewed by KMENT *et al.* (2003) and HRADIL *et al.* (2008). In specimens collected with Malaise traps and originally stored in ethanol, the diagnostic infuscation of the scutellar apex nearly disappeared after drying.

#### *Macrotylus (Alloeonycha) horvathi* (Reuter, 1876)

**Material examined.** Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, between village and Drahy NR (114), on *Ballota nigra*, 13.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), on *Ballota nigra*, 28.vii.2001, 5 ♂♂ 1 ♀, P. Kment lgt. (JBSC, PKPC). Hrubá Vrbka, football ground (211), on *Ballota nigra*, 8.vii.2000, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Javorník, village (239), bank of Velička river, on *Ballota nigra*, 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to warm sites of the southern part of the area. **General distribution:** North Mediterranean, extending to central Europe and Iran. **Biology and habitat:** On *Ballota nigra*, rarely on other Lamiaceae (WACHMANN *et al.* 2004). A thermophilous species, found mostly on the host plant in ruderal sites. Quite rare (P. Kment, pers. observ.). **Red List status:** –.

**Comments.** In Moravia found in the Chvojnice river valley (6863) (STEHLÍK 1944), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), Újezd u Brna (Špice, 6866), Hustopeče u Brna (Přední kopaniny, 7066), Sedlec (Skalky, 7266), and Úvaly (Kameníky, 7266) (MALENOVSKÝ *et al.* 2011).

#### *Macrotylus (Alloeonycha) paykullii* (Fallén, 1807)

(NT)

**Material examined.** Brumov, Holý vrch hill (79), 14.vi.1971, 3 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 3 ♀♀, P. Lauterer lgt. (MMBC). Vyškovecké Bošacký, cattle pasture (179), 27.vi.2004, 1 ♂, I. Malenovský lgt., 24.vii.2005, 4 ♂♂ 1 ♀, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, on *Ononis spinosa*, 1 ♂, P. Kment lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare, confined to dry pastures throughout the area. **General distribution:** West Palaearctic. **Biology and**

**habitat:** Possibly zoophytophagous. On *Ononis* (*O. spinosa*, *O. repens*) in various xerothermic, open habitats. Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** Near-threatened.

**Comments.** Previous records from Moravia were provided by STEHLÍK (1962; 1971, misidentified as *M. atricapillus* – see KMENT *et al.* 2005) and ROHÁČOVÁ (1985, 2007a,b).

### *Macrotylus (Alloeonycha) solitarius* (Meyer-Dür, 1843)

**Published records.** HRADIL *et al.* (2008): Návojná, undergrowth of spruce forest below Vrchy hill (45); Valašské Klobouky, Bílé potoky NM (47); Nedašov, Kaňoury NM (55) and small forest near Kaňoury NM [Lapač area] (58); Hrádek na Vlárské Dráze, towards Hostětín [= Rokytnice, Bukovina hill] (6973a4); Korytná (115); Horní Němčí, Lesná hill (123); Kněždub, Kněždubský háj forest, vegetation along road to Kněždub village (197); Tvarožná Lhota, valley of Járkovec brook below Čertoryje hill (201); Radějov, Holý vrch hill (189); Javorník, Machová NR (259).

**Material examined.** Popov (71), 6.viii.1980, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt., J. Bryja det. (JBSC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite rare. **General distribution:** West Eurosiberian, extending to Transcaucasia.

**Biology and habitat:** On *Stachys*, especially *S. sylvatica*, but also on *S. recta*, *S. palustris*, and *S. alpina*; the development on *S. alpina* was confirmed within the survey in the Bílé Karpaty Mts. (HRADIL *et al.* 2008). Found mostly along forest margins, forest trails, and in clearings (HRADIL *et al.* 2008; P. Kment, pers. observ.). **Red List status:** –.

**Comments.** A previously overlooked species; its distribution in the Czech Republic was reviewed by HRADIL *et al.* (2008).

### *Macrotylus (Macrotylus) herrichi* (Reuter, 1873)

**Published record.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 4 ♂♂ 7 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 11 ♂♂ 9 ♀♀, 11.vii.2009, 8 ♂♂ 11 ♀♀, P. Baňar lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (146), 2.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Petrov [as Pavlov u Radějova] (182), vi.1946, 1 ♂, Raušer (MMBC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 1 ♀, P. Lauterer lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt., 29.vi.2001, 1 ♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 2 ♂♂, 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 2 ♂♂, P. Kment lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 11

♀♀, P. Lauterer lgt., J. Meduna & J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♂♂ 2 ♀♀, 23.vi.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 2 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 4 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in xerothermic localities throughout the area. **General distribution:** South Eurosiberian (distributed from Spain to Anatolia and Kazakhstan). **Biology and habitat:** On *Salvia pratensis* and *S. verticillata* (WACHMANN *et al.* 2004). In open xerothermic habitats. Quite common (P. Kment, pers. observ.). **Red List status:** –.

**Comments.** Probably recorded for Moravia for the first time by ASSMANN (1854) from Altvater [= Mt. Praděd] (5969) in the Hrubý Jeseník Mts. and misidentified as “*Capsus bilineatus* Fallén” (see the Comments under *Orthotylus bilineatus* below). Further recorded from Uherčice (7065) and Moravany (6865) (STEHLÍK 1945a), Kobyly (7067) (STEHLÍK 1945a, HOBERLANDT 1947), Vápenná (5768) (ŠTYS 1956, 1959), Moravský Krumlov (Florián, 6963), Rokytná (Tábor, 6963), Budkovice (Budkovické skály rocks, 6964) (BRYJA *et al.* 2002), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), and 11 more localities within the Pannonicum (MALENOVSKÝ *et al.* 2011).

***Macrotylus (Macrotylus) quadrilineatus* (Schrank, 1785) (EN) (Fig. 5)**

**Published record.** KMENT & BRYJA (2001): Poteč, Ploščiny NR (42).

**Material examined.** Valašské Klobouky, Královec hill (33), on *Salvia glutinosa*, 17.viii.2006, 5 ♂♂ 6 ♀♀, P. Kment lgt. (PKPC). Nedašova Lhota, Nedašovka brook valley (40), on *Salvia glutinosa*, 17.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), on *Salvia glutinosa*, 17.viii.2006, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, on *Salvia glutinosa*, 2 ♂♂ (1 ♂ freshly hatched), 18.viii.2009, 6 ♂♂ 1 ♀ 2 L, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Brusné (6671), Křídlo castle ruin (N 49°21'22.5" E 17°39'54.1"), beech forest undergrowth, on *Salvia glutinosa*, 500 m a.s.l., 25.ix.2010, 1 ♂ 2 ♀♀, P. Kment lgt. (NMPC). Rajnochovice (6672), Čerňava NR (N 49°22'45.1" E 17°47'10.4"), beech forest margin, on *Salvia glutinosa*, 600 m a.s.l., 25.ix.2010, 2 ♀♀ 2 L5, P. Kment lgt. (NMPC). Štítary (7061), 11.vii.1983, 1 ♀, H. Studníčková lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only at forest margins and glades in the northern part of the area, locally not rare. **General distribution:** Ponto-Mediterranean, extending into the Alps and the Carpathians. **Biology and habitat:** Possibly zoophytophagous. On *Salvia glutinosa* (WACHMANN *et al.* 2004) on sunny forest edges and in clearings on its host plant (P. Kment, pers. observ.). **Red List status:** Endangered.

**Comments.** A species of mountain regions (the Alps, Carpathians, mountains in the Balkan Peninsula), in the Czech Republic so far known only from eastern Moravia (the Moravskoslezské Beskydy Mts. and northern parts of the Bílé Karpaty Mts.) (ROHÁČOVÁ 1997, KMENT & BRYJA 2001). We record it here also from the Hostýnské vrchy Hills in eastern Moravia and the valley of the Dyje river in south-western Moravia.

***Malacocoris chlorizans* (Panzer, 1794)**

**Material examined.** Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (JBSC). Poteč, Ploščiny NR (42), 13.ix.1999, 4 ♀♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 3 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂ 9 ♀♀, P. Kment lgt. (PKPC). Nedašov, village (51), 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 4 ♂♂ 17 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 23.ix.–29.x.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Horní Němčí, Drahy NR (117), on *Corylus avellana*, 13.viii.2001, 8 ♂♂ 2 ♀♀, 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Strání, village (147), on *Tilia* sp., 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂ 1 ♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, village (206), on *Tilia* sp., 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 3 ♂♂ 6 ♀♀, P. Kment lgt. (MHBC, PKPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 7 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂ 2 ♀♀, 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Eurosiberian, extending to Transcaucasia, Iran and Mongolia; introduced to North America. **Biology and habitat:** Mostly zoophagous. Predominantly on *Corylus avellana*, more rarely on other deciduous trees (*Alnus*, *Ulmus*, *Salix*, *Populus*, *Tilia*, *Malus*, *Quercus*). On shrubs and trees at forest margins and hedges, preferring half-shaded places. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded so far only from “Romža bei Prossnitz” [= Romže river at Prostějov] (6568) by SPITZNER (1892) and from Suchdol nad Odrou (6373) by BRYJA & KMENT (2001).

***Mecomma (Mecomma) ambulans ambulans* (Fallén, 1807)**

**Material examined.** Popov (71), 6.viii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Lopeník, Míkulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, forest (269), forest margin, sweeping of undergrowth, 3.vii.2001, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined mostly to higher altitudes. **General distribution:** Eurosiberian, extending to Maghreb. **Biology and habitat:** Zoophytophagous. On herbaceous vegetation in more or less humid habitats, in undergrowth of both deciduous as well as coniferous forests, also in open habitats. A boreo-montane species, common in higher altitudes (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia, *M. ambulans ambulans* occurs mostly in mountains (the Hrubý Jeseník Mts. – STEHLÍK 1952; Rychlebské hory Mts. – ŠTYS 1959; Moravskoslezské

Beskydy Mts. – ROHÁČOVÁ 1990a, 2001a, 2003b, 2008; ROHÁČOVÁ & DROZD 2009) and inverse valleys (Macoča in the Moravský Kras PLA, 6666) (STEHLÍK 1948). Records from warm lowlands of southern Moravia (Lednice, Horní les floodplain forest, 7166 – KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991) are quite exceptional.

### *Megacoelum beckeri* (Fieber, 1870)

**Material examined.** Malá Vrbka, village (206), on *Tilia* sp., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), 18.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 17.ix.2004, 1 ♀, M. Horsák lgt. (PKPC). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in warm sites of the southern part of the area. **General distribution:** European, extending to Maghreb and Transcaucasia. **Biology and habitat:** Zoophytophagous. On *Pinus sylvestris*, occasionally on other *Pinus* species, but also on introduced Cupressaceae (*Thuja*). Preferring warm habitats in lowlands. Widespread, quite rare (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The Moravian records of *M. beckeri* were reviewed by STEHLÍK (1973, 1998a).

### *Megaloceroea recticornis* (Geoffroy, 1785)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráň NR (54).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 7 ♂♂ 5 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 8 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 6 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 5 ♂♂ 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 8 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 5 ♂♂ 13 ♀♀, 28.vii.2005, 4 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 5 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 32 ♂♂ 41 ♀♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 2 ♀♀, L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Slavičín (69), 10.vii.1989, 1 ♀, I. Vavřínová lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 3 ♂♂ 18 ♀♀, I. Malenovský lgt., 28.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 2 ♂♂ L. Pospíšilová lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 5 ♂♂ 2 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 3 ♂♂ 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Na Kopanicách, meadow (90), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 22 ♂♂ 19 ♀♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 2 ♀♀, Z. Malinka lgt. (ZMOC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 57 ♂♂ 70 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC).

#### True bugs (Hemiptera: Heteroptera)

Horní Němčí, Lesná hill (123), 23.vii.1951, 2 ♂♂ 4 ♀♀, 24.vii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂, 24.vii.2005, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, village (172), 6.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 28.vi.2004, 2 ♂♂, I. Malenovský lgt., 21.v.2005, 1 ♀, 24.vii.2005, 6 ♀♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 27.vi.2004, 6 ♂♂ 6 ♀♀, I. Malenovský lgt., 24.vii.2005, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂ 1 ♀, 4.–26.vi.2008, Mt, 8 ♂♂ 8 ♀♀, 26.vi.–14.vii.2008, Mt, 3 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 5 ♂♂ 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 26 ♂♂ 29 ♀♀, P. Kment lgt., 27.vi.2002, 18 ♀♀, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂, P. Kment lgt., 18.vi.2000, 4 ♂♂ 7 ♀♀, I. Malenovský lgt., 22.vi.2001, 20 ♂♂ 12 ♀♀, P. Kment lgt., 27.vi.2002, 9 ♂♂ 8 ♀♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 9 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 5 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 5 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 4 ♂♂ 2 ♀♀, 27.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 1 ♂, I. Malenovský lgt., 16.viii.2004, 1 ♂, P. Kment lgt., 27.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det., 19.vi.2000, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 2 ♂♂, 25.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 7 ♂♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 6 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 21 ♂♂ 29 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 20 ♂♂ 27 ♀♀, P. Kment lgt., 23.vi.2004, 28 ♂♂ 30 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♀, 22.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 5 ♂♂, 18.vi.–9.vii.2007, Mt, 6 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 4 ♂♂, 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 2 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 3 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Maghreb, introduced to North America and New Zealand. **Biology and habitat:** On Poaceae (e.g. *Alopecurus*, *Arrhenatherum*, *Brachypodium*, *Festuca*, *Calamagrostis*, and *Hordeum*), in mesic to dry, eutrophic grasslands, open as well as shaded. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Megalocoleus molliculus* (Fallén, 1807)

**Material examined.** Brumov, Uhličky (44), 4.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 2 ♂♂, P. Kment lgt., J. Bryja det. (JBSC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, between village and Drahy NR (114), on *Achillea* sp.,

13.viii.2001, 3 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, P. Raus lgt. (MMBC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det., 27.vii.2005, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, on *Achillea* sp., 5 ♂♂ 4 ♀♀, P. Kment lgt. (JBSC, PKPC); 20.vii.2002, 2 ♂♂ 9 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holopalaeartic; introduced to North America. **Biology and habitat:** Mostly on *Achillea millefolium*, rarely *Tanacetum vulgare* or other Asteraceae (e.g. *Artemisia*, *Matricaria*, and *Anthemis*). In open, dry to slightly humid habitats. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Prossnitz [= Prostějov] (6568), Wischau [= Vyškov] (6767–68), Milkov (6367), Brünn [= Brno] (6765–66, 6865–66) (SPITZNER 1892, as *Macrocoleus molliculus*), Oslava river valley near Březník (6863) (STEHLÍK 1944, as *M. ochroleucus*), Dolní Lipová (5768) and Travná (5667) in the Rychlebské hory Mts. (ŠTYS 1959), Mohelno (6863) (ROUBAL 1968), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), Staříč (Kamenná NR, 6375) (ROHÁČOVÁ 1990b), the Poodří PLA: Suchdol nad Odrou (6373) and Odra – Malý les forest (6373) (BRYJA & KMENT 2001), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2002, as *M. confusus*; 2006a), Újezd u Brna (Špice NR, 6866), Křižanovice (Člupy, 6867), Budkovice (Budkovické skály rocks, 6964), and Kurdějov (Kamenný vrch hill, 7066) (MALENOVSKÝ *et al.* 2011).

#### *Megalocoleus tanacetii* (Fallén, 1807)

**Material examined.** Luhačovice, U Kamenného kříže crossroad (10), on *Tanacetum vulgare*, 6.viii.1999, 2 ♀♀, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 8 ♂♂ 29 ♀♀, P. Lauterer, P. Raus & J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, on *Tanacetum vulgare*, 1 ♂, P. Kment lgt. (PKPC). Výškovecké Bošacky, cattle pasture (179), 24.vii.2005, 4 ♂♂ 1 ♀, 19.viii.2004, 1 ♂ 1 ♀, P. Kment lgt., 3.ix.2005, 5 ♀♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, on *Tanacetum vulgare*, 2 ♂♂, 16.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, mostly in pastures and ruderal sites. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Tanacetum vulgare* in xerothermic, open habitats, as well as in humid, half-shaded ones. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from scattered localities throughout the area (ŠTYS 1959, STEHLÍK 1961, RAUS 1990 – all as *Megalocoleus pilosus*; BRYJA & KMENT 2001, ROHÁČOVÁ 2008, ROHÁČOVÁ & DROZD 2009).



***Melanotrichus flavosparsus* (C. R. Sahlberg, 1841)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂ 4 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♂♂ 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 6 ♀♀, P. Lauterer lgt. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 4 ♂♂ 1 ♀ (1 ♂ freshly hatched), P. Kment lgt., J. Bryja det., 16.viii.2000, 1 ♀, 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), field margin, on *Chenopodium* sp., 8.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, ruderal vegetation, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area in ruderal sites. **General distribution:** Holopalaearctic, introduced to North and South America. **Biology and habitat:** On *Chenopodium*, especially *Ch. album*, and *Atriplex*. In various nutrient-rich or saline habitats, dry as well as humid, e.g. salt marshes and meadows, ruderal vegetation, and field margins. Common (WACHMANN *et al.* 2004).

**Red List status:** –.

**Comments.** European authors mostly treat *Melanotrichus* Reuter, 1875 as a subgenus of *Orthotylus* Fieber, 1858 (e.g. KERZHNER & JOSIFOV 1999), while American heteropterists accept it as a separate genus (e.g. WHEELER *et al.* 2006).

***Mermillocerus schmidti* (Fieber, 1836)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂ 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Petrůvka, Kladenska brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♂♂ 1 ♀, 3.–23.vi.2008, Mt, 1 ♂ 3 ♀♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 24.v.–16.vi.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 4 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 25.v.–15.vi.2010, Mt, 1 ♂ 1 ♀, 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, mostly collected with Malaise traps. **General distribution:** European, extending to Transcaucasia, Iran and Turkmenistan. **Biology and habitat:** Zoophytophagous. On various deciduous trees, especially *Fraxinus excelsior*, but also on *Rhamnus*, *Ulmus*, *Corylus*, *Acer*, and in *Urtica* stands or on umbels of Apiaceae in the vicinity of trees. In floodplain and other humid forests. Widespread, rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the Chvojnice river valley (6863) (STEHLÍK 1943, as *Calocoris schmidti*), Brno – Řečkovice (6765), Brno – Černovice (6865), Třebíč – Podklášteří (6760) (STEHLÍK 1948, as *Calocoris schmidti*), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991, as *Calocoris schmidti*), Studénka (Oderský luh floodplain forest, 6274), Polanka nad Odrou (6275) (BRYJA & KMENT 2001), and Budkovice (6964, Budkovický les forest, 6963) (BRYJA *et al.* 2002).

***Miris striatus* (Linnaeus, 1758)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♂, O. Konvička lgt. (NMPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 3 ♂♂, P. Kment lgt., J. Bryja det. (MHBC, PKPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, rare in the central and northern parts. **General distribution:** West Eurosiberian.

**Biology and habitat:** Zoophytophagous. On deciduous trees (*Crataegus*, *Prunus spinosa*, *Corylus*, *Betula*, *Alnus*, *Rhamnus*, *Salix*, *Malus*, etc.) at sunlit forest margins, hedges, in sparse scrub, and on solitary trees. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Záhoří bei Prossnitz [= part of Prostějov – Čechovice] (6568), Brunn [= Brno] (6765–66, 6865–66) (SPITZNER 1892), the Chvojnice river valley (6863) (STEHLÍK 1943, as *Pycnopterna striata*; 1948), Křižanovice u Slavkova (6867), Blansko (6665) (STEHLÍK 1948), Divoká Desná (5968–69) (STEHLÍK 1952), the environs of Bruntál (DOBŠÍK 1983), the Poodří PLA (6275) (PAVELKA 1990), and Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 2007a,b).

***Monalocoris (Monalocoris) filicis* (Linnaeus, 1758)**

**Material examined.** Valašské Klobouky, U Rybníků (38), 2.vii.1999, 5 ♂♂, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 17.viii.2006, 5 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC); 13.–16.viii.2007, ypt, 1 ♂, J. Ježek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Komňa, Nový Dvůr (130), 6.vii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Lopeník, Míkulčín vrch hill (160), spruce forest margin, 24.vii.2005, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 2 ♂♂, K. Hradil lgt. et det. (KHMC). Javorník, Jazevčí NNR (232), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 3 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 25.v.–15.vi.2010, Mt, 1 ♀, 9.vii.–12.viii.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.viii.2002, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 4 ♀♀, 6.–24.viii.2009, Mt, 1 ♂, 24.viii.–17.ix.2009, Mt, 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area in forest undergrowth. **General distribution:** Holopalaearctic. **Biology and habitat:** On Polypodiaceae, most often on *Dryopteris* and *Pteridium*. In undergrowth of deciduous, as

well as coniferous forests, also in humid open habitats (e.g. swamps and banks of streams). Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### ***Myrmecoris gracilis* (R. F. Sahlberg, 1848)**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ (mi) 1 L, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ (mi), P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ (br), P. Lauterer lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ 1 ♀ (mi), P. Kment & I. Malenovský lgt., 21.vii.2002, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂ (br), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 22.viii.–10.ix.2007, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** Zoophytophagous or zoophagous. In xerothermic and mesic, open grassland. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Mohelno (6863), Pouzdřany (7065) (STEHLÍK 1946b), Hodonín (7168) (HOBERLANDT 1947), three localities in the Hrubý Jeseník Mts. (STEHLÍK 1952), Ostružná (ŠTYS 1956, 1959), Křižanovice (Člupy, 6867), and Sedlec (Skalky, 7266) (MALENOVSKÝ *et al.* 2011).

#### ***Neolygus contaminatus* (Fallén, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ & ♀♀, P. Lauterer lgt. (MMBC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** On *Betula*, rarely on other deciduous trees (*Alnus*, *Salix*, *Corylus*, *Rhamnus*, *Sorbus*), preferring sunlit forest margins and solitary trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### ***Neolygus viridis* (Fallén, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja revid. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀, M. Horský & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, village (51), on *Elaeagnus angustifolia*, 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 2 ♀♀ L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J.

Macek lgt. (NMPC). Popov (71), 6.viii.1980, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 3 ♂♂ 2 ♀♀, L. Pospíšilová lgt. & J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR environs (118), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♀♀, P. Lauterer & P. Raus lgt. (MMBC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání Obecnice hill, S slope (145), 2.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (JBSC); 26.vi.–14.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), on *Thuja* sp., 19.vi.2000, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 6 ♀♀, P. Kment lgt. (PKPC). Trnovský Mlýn, along road to Suchovské Mlýny (230), on *Corylus avellana*, 16.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 5 ♀♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 24.v.–15.vi.2010, Mt, 1 ♂, 15.vi.–13.vii.2010, Mt, 1 ♀, 13.vii.–10.viii.2010, Mt, 2 ♂♂, 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Predominantly on *Tilia*, but also on other deciduous trees (*Alnus*, *Rhamnus*, *Salix*, *Betula*, *Acer*, and *Corylus*), preferring half-shaded to open, mostly humid habitats (forest margins, alluvia), but also on solitary trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Notostira elongata* (Geoffroy, 1785)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Popov (71), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 10.ix.2002, 4 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 20.vii.2002, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 5 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 2 ♂♂, 18.vi.2000, 3 ♂♂ 2 ♀♀, I. Malenovský lgt., 8.vii.2000, 1 ♂ 1 ♀, P. Kment lgt., 27.vii.2000, 1 ♂, I. Malenovský lgt., 4.viii.2000, 1 ♂, 16.viii.2000, 7 ♂♂ 5 ♀♀, P. Kment lgt., 1.x.2000, 1 ♂ 1 ♀, 22.x.2000, 1 ♂, 28.vii.2001, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 17.viii.2002, 3 ♂♂ 7 ♀♀, 4.x.2002, 6 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 1 ♀, 1.ix.2005, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Javorník, loampit (235), 10.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt., 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 29.vi.2001, 3 ♂♂, I. Malenovský lgt., 8.viii.2001, 1 ♂, P. Kment lgt., 17.vii.2002, 1 ♂ 1 ♀, 7.ix.2002, 2 ♂♂ 3 ♀♀, 23.vi.2004, 1 ♀, 2.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 7.ix.2002, 2 ♂♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, very rare in the northern parts. **General distribution:** Eurosiberian, extending to Maghreb and Lebanon, and Central Asiatic. **Biology and habitat:** On Poaceae (especially *Agropyron*, *Festuca*, *Poa*, *Brachypodium*, *Holcus*, and *Agrostis*). Euryecious, although preferring open, sunny, eutrophic, mesic to dry grassland (road verges, ruderal sites, meadows, and fields). Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Notostira erratica* (Linnaeus, 1758)

**Published records.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 5 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 5 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 5 ♂♂ 1 ♀, 5.x.2004, 1 ♀, I. Malenovský lgt., 28.vii.2005, 1 ♂ 1 ♀, 4.ix.2005, 5 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 25.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt., 30.vi.2004, 1 ♂, 1.ix.2004, 4 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 3 ♂♂ 4 ♀♀, 6.ix.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Popov (71), 6.viii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♂, 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice (78), 12.ix.1978, 1 ♀, B. Dobšík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 4 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀, 6.ix.2005, 4 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 2 ♂♂, P. Baňaf lgt. et det. (MMBC). Korytná (115), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Korytná, Břeží (113), 5.vii.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 2 ♂♂ 6 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 2 ♂♂, I. Malenovský & M. Omesová lgt., 30.vi.2001, 3 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 8 ♂♂ 2 ♀♀ 6 L5, 21.ix.2001, 2 ♂♂ 2 ♀♀, P. Kment lgt., 21.vii.2002, 22 ♂♂ 20 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.x.–5.xii.2002, 1 ♀, I. H. Tuf & J. Tufová lgt. (NMPC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 1 ♂, I. Malenovský lgt., 13.viii.2001, 3 ♂♂, 21.ix.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 20.vii.2002, 10 ♂♂ 7 ♀♀, 10.ix.2002, 12 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, P. Raus lgt. (MMBC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.ix.1998, 4 ♂♂ 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 4 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., 9.viii.2001, 1 ♂, P. Kment lgt., 21.ix.2001, 4 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 25.ix.2004, 1 ♀, 24.vii.2005, 1 ♀, I. Malenovský lgt., 3.ix.2005, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♂ 2 ♀♀, P. Kment lgt., 25.ix.2004, 1 ♂, 24.vii.2005, 1 ♀, I. Malenovský lgt., 3.ix.2005, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, 8.viii.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 2 ♂♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Výškovce, Pod Hřibovňou NM (176), 25.ix.2004, 2 ♂♂, P. Kment lgt., 3.ix.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Výškovce Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂ 8 ♀♀, P. Kment lgt., 3.ix.2005, 12 ♂♂ 16 ♀♀, I. Malenovský lgt. (PKPC). Výškovce Bošačky, meadow and orchard (180), 25.ix.2004, 2 ♂♂, 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2005, 4 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 3 ♂♂, I. Malenovský lgt., 20.ix.2001, 4 ♂♂, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt.,

17.viii.2002, 2 ♂♂ 5 ♀♀, 4.x.2002, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., 8.vii.2000, 1 ♂, P. Kment lgt., 27.vii.2000, 13 ♂♂ 10 ♀♀, I. Malenovský lgt., 4.viii.2000, 1 ♂ 2 ♀♀, 16.viii.2000, 11 ♂♂ 9 ♀♀, P. Kment lgt., 22.x.2000, 3 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 1 ♂, 20.ix.2001, 18 ♂♂ 4 ♀♀, 17.viii.2002, 6 ♂♂ 10 ♀♀, 4.x.2002, 12 ♂♂ 14 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 2 ♂♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det., 20.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 2 ♀♀, 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 9.–10.ix.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♂, 1.x.2004, 1 ♂, 1.ix.2005, 7 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 2 ♀♀, P. Kment lgt., 1.x.2004, 1 ♂, 1.ix.2005, 9 ♂♂ 9 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.x.2004, 2 ♂♂, 27.vii.2005, 1 ♀, 1.ix.2005, 61 ♂♂ 45 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 6 ♂♂ 6 ♀♀, P. Kment lgt., 10.ix.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 3 ♂♂, I. Malenovský lgt., 8.viii.2001, 2 ♂♂, 23.ix.2001, 2 ♂♂ 5 ♀♀, P. Kment lgt., 17.vii.2002, 3 ♂♂ 1 ♀, 7.ix.2002, 33 ♂♂ 38 ♀♀, 2.ix.2004, 10 ♂♂ 12 ♀♀, 1.x.2004, 1 ♂ 1 ♀, 1.ix.2005, 7 ♂♂ 10 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 3 ♂♂, 23.ix.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 7.ix.2002, 1 ♂, 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 1 ♂ 7 ♀♀, I. Malenovský lgt., 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 21.ix.2001, 6 ♂♂ 5 ♀♀, 20.vii.2002, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 21.ix.2001, 4 ♂♂, 20.vii.2002, 2 ♂♂ 2 ♀♀, 12.ix.2002, 6 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 21.viii.2002, 7 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC); 3.–23.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian and Central Asiatic. **Biology and habitat:** On Poaceae. Euryecious in open, xerothermic grassland, as well as in humid meadows. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Omphalonotus quadriguttatus* (Kirschbaum, 1856)

(VU)

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Řeznovice, Skala (6963), steppe on conglomerates, 220–270 m a.s.l., 1 ♀, J. L. Stehlík lgt. (MMBC). Nová Ves u Oslavan (6863), steppe vegetation on small hills *ca.* 300 m W and N of the village, 218–315 m a.s.l., 22.vi.1976, 1 ♀, P. Lauterer lgt. (MMBC). Viničné Šumice (6766), remnants of steppes, 370–400 m a.s.l., 6.ix.1977, 1 ♀ (freshly hatched), L. Pospíšilová lgt. (MMBC). Dolní Kounice (6964), rocky steppe, 200–250 m a.s.l., 11.vii.1984, 1 ♀, P. Raus lgt. (MMBC). Hostěradice, Paseka hill, towards Pustiny (7063d), steppe vegetation, 270–280 m a.s.l., 2.ix.1985, 1 ♂, J. L. Stehlík lgt. (MMBC). Havraníky, Havranické vřesoviště heathland (7161–62), 26.vii.1995, 1 ♂, A. Reiter lgt. (PKPC). Mikulov, Svätý kopeček NR (7165), 27.vi.1962, 1 ♂, P. Lauterer lgt. (MMBC). Milovice (7166), steppe and forest margin, 20.viii.1963, 1 ♂, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only once with a Malaise trap. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** Probably zoophytophagous. An epigeic species inhabiting xerothermic sites on limestone and sandy ground. Rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In Moravia recorded from Mohelno (6863), Nebovídy (6865) (STEHLÍK 1947), Ratiškovice (7068–69), Milotice (Náklo hill, 7068d), Ivančice – Letkovice (68–6964) (WYNIGER 2006a), Nová Ves u Oslavan (6863), Šakvice (7166), Mušov (N of the village, 70–7165), Vevčice (7062) (WYNIGER 2006a,b), and Letonice (Větrníky, 6867b) (WYNIGER 2006b). Here we present additional records from southern Moravia.

#### *Oncotylus (Oncotylus) punctipes* Reuter, 1875

**Material examined.** Slavičín (69), 10.vii.1989, 2 ♂♂ 5 ♀♀, I. Vavřínová lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 7 ♂♂ 7 ♀♀, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 6 ♂♂ 7 ♀♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 7 ♂♂ 5 ♀♀, P. Raus & J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Vyškovské Bošáčky, cattle pasture (179), 27.vi.2004, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), on *Tanacetum vulgare*, 19.vi.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 3 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area in pastures and ruderal sites, quite rare. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Tanacetum vulgare*, mostly in open, sunlit habitats (common on sands), only rarely in shaded or humid ones. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Uherské Hradiště (6970), Popovice (6971) (HOBERLANDT 1947), the Rychlebské hory Mts.: Dolní Lipová (5768) (ŠTYS 1956, 1959) and Žulová (5668) (ŠTYS 1959), the Poodří PLA (6274, 6275, 6373) (BRYJA & KMENT 2001), Vyšní Lhoty (Profil Morávky NM, 6376) (ROHÁČOVÁ 2001b), Hukvaldy (Hradní vrch hill, 6375) (ROHÁČOVÁ 2003b), Sviadnov (6275), Ostrava (Zábřeh, 6275) (ROHÁČOVÁ & DROZD 2009), and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

#### *Oncotylus (Oncotylus) viridiflavus viridiflavus* (Goeze, 1778)

**Published record.** KMENT *et al.* (2005): Malá Vrbka, Výzkum hill, restored grassland (208).

**Material examined.** Lipov, Pešunk (100), 27.vi.2008, 1 ♂, Z. Malinka lgt. (ZMOC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 11.vii.2009, 1 ♂, P. Baňář lgt. et det. (MMBC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** On *Centaurea*, in particular *C. nigra* and *C. jacea*. Often in disturbed habitats, e.g. degraded dry grassland, field margins and alluvial vegetation (WACHMANN *et al.* 2004, KMENT *et al.* 2005, BRYJA & KMENT 2007). **Red List status:** –.

**Comments.** Rarely recorded in the Czech Republic, most findings are from the Moravian Pannonicum (STEHLÍK 1977, KMENT *et al.* 2005, MALENOVSKÝ *et al.* 2011).

***Orthocephalus brevis* (Panzer, 1798)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petřůvka, U Petřůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂ (ma), 3.–23.vi.2008, Mt, 1 ♂ (ma), 23.vi.–16.vii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Sidonie, Sidonie NR (87), 25.v.–16.vi.2010, Mt, 1 ♂ (ma), P. Chvojka & J. Macek lgt. (NMPC). Lopeník (152), 8.vi.1999, 1 ♀ (br), K. Hradil lgt. et det. (KHMC). Žitková (163), 11.vi.1999, 1 ♀ (br), K. Hradil lgt. et det. (KHMC). Petrov [as Pavlov u Radějova] (182), vi.1946, 1 ♀ (br), Raušer lgt. (MMBC). Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchové Mlýny, sheep pasture (226), 26.v.2005, 1 ♂ (ma), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 29.vi.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 3 ♀♀ (br), L. Pospíšilová lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 3 ♂♂ (ma), P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although most records come from its southern part; a characteristic species for species-rich meadows. **General distribution:** Eurosiberian. **Biology and habitat:** On *Campanula*, but also on Asteraceae (*Achillea*, *Artemisia*, *Centaurea*) and Lamiaceae (*Phlomis tuberosa*) (WACHMANN *et al.* 2004, NAMYATOVA & KONSTANTINOV 2009) in dry, open habitats. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Besides the Bílé Karpaty PLA, *O. brevis* has been recorded in Moravia only from Kralice nad Oslavou (the Chvojnice river valley, 6863) (STEHLÍK 1944) and Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 1990b, 2007a,b).

***Orthocephalus coriaceus* (Fabricius, 1777)**

**Material examined.** Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♂ (ma), I. Malenovský lgt. (PKPC). Nedašov, Na Kopicích, meadow (90), 3.vii.1999, 2 ♂♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀ (br), L. Pospíšilová lgt., 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Slavičín (69), 10.vii.1989, 4 ♀♀ (br), I. Vavřínová lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ (ma) 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Brumov, Uhlíčky (44), 30.vi.2004, 1 ♂ (ma), P. Kment lgt. (PKPC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♂ (ma), I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 3 ♂♂ (ma) 1 ♀ (br), P. Lauterer lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ (ma), J. L. Stehlík lgt. (MMBC). Lopeník (152), 8.vi.1999, 3 ♂♂ (ma), K. Hradil lgt. et det. (KHMC). Strání, Dúbrava [= Dúbrava hill] (150), 7.vii.1980, 1 ♂ (ma), L. Pospíšilová lgt. (MMBC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 1 ♂ (ma) 1 ♀ (br), I. Malenovský lgt., 20.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the northern and central parts of the area, in the southern part found only in the environs of the Mt. Velká Javořina. **General distribution:** European, introduced to North America. **Biology and habitat:** On Asteraceae (*Leucanthemum*, *Tanacetum*, *Hieracium*, *Achillea*, *Carduus*, *Centaurea*, *Artemisia*, etc.), but listed also from plants of other families (WACHMANN *et al.* 2004, NAMYATOVA & KONSTANTINOV 2009). In xerothermic, open habitats (e.g. sands, ruderal sites, field and road margins). Common (WACHMANN *et al.* 2004). **Red List status:** –.



**Comments.** In Moravia recorded from about 17 localities: Brünn [= Brno] (6765–66, 6865–66), Prossnitz [= Prostějov] (6568), Boskowitz [= Boskovice] (6565–66) (SPITZNER 1892), Kobylí (7067) (HOBERLANDT 1947, as *O. mutabilis*), Dolní Lipová (5768), Žulová (5668) (ŠTYS 1959, as *O. mutabilis*), Mohelno (6863) (ROUBAL 1968), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), the Poodří PLA (Ostrava – Poruba, 6174; Bernartice nad Odrou, 6373; Suchdol nad Odrou, 6373) (BRYJA & KMENT 2001), Vyšní Lhoty (Profil Morávky NM, 6376) (ROHÁČOVÁ 2001b), Budkovice (Budkovický les forest, 6963; Budkovické skály rocks, 6964) (BRYJA *et al.* 2002), Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 2007a,b), Ostrava (Hrabová, 6275; Zábřeh, 6175) (ROHÁČOVÁ & DROZD 2009), and Huslenky (Pasínek Losový, 6674) (ROHÁČOVÁ 2012).

#### ***Orthocephalus saltator* (Hahn, 1835)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 16.vii.–4.viii.2008, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀ (br), L. Pospíšilová lgt. (MMBC). Horní Němčí, Vínohrádky (121), 20.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ (ma) 5 ♀♀ (br), P. Kment lgt. (PKPC). Vápenice, Trstná brook valley (133), meadow, 6.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Suchov (107), 20.viii.1941, 2 ♀♀ (br), A. Hoffer (NMPC). Javorník (234), 11.viii.1941, 2 ♀♀ (br), A. Hoffer (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♀ (br), P. Kment lgt., 20.vii.2002, 2 ♀♀ (br), I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite rare. **General distribution:** Eurosiberian, introduced to North America. **Biology and habitat:** On various Asteraceae (especially *Hieracium pilosella*), but listed also from plants of other families (WACHMANN *et al.* 2004, NAMYATOVA & KONSTANTINOV 2009). In xerothermic habitats. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the Hrubý Jeseník Mts.: Altvater [= Praděd] (5969) (ASSMANN 1854, SPITZNER 1892), “Graupathal unter dem Spieglitzer Schneeberge” [= valley of the Krupá rivulet under Mt. Králícký Sněžník] (57–5867) (SPITZNER 1892), the Královský potok brook (exact location unknown) and Moravice (5969) in the Hrubý Jeseník Mts. (STEHLÍK 1952), and Huslenky (Pasínek Losový, 6674) in Hostýnsko-Vsetínská hornatina Mts. (ROHÁČOVÁ 2012).

#### ***Orthocephalus vittipennis* (Herrich-Schaeffer, 1835)**

**Material examined.** Bánov, Skalky hill (125), 21.viii.1984, 1 ♀ (br), P. Raus lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey. **General distribution:** Eurosiberian, extending to Anatolia and the Near East, and Central Asiatic. **Biology and habitat:** On Asteraceae (*Chrysanthemum*, *Achillea*, *Artemisia*, *Centaurea*, etc.), but listed also from plants of other families (WACHMANN *et al.* 2004, NAMYATOVA & KONSTANTINOV 2009). In xerothermic habitats. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the environs of Bzenec (7069) (STEHLÍK 1945a), Mikovice (6971), Čejč (7067), Pouzdřany (7065), Kobylí (7067), Rohatec (7169)

(HOBERLANDT 1947), Ostopovice (6865) (STEHLÍK 1948), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), Újezd u Brna (Špice NR, 6866), Křižanovice (Člupy, 6867), Budkovice (Budkovické skály rocks, 6964), and Hustopeče u Brna (Přední kopaniny, 7066) (MALENOVSKÝ *et al.* 2011).

### *Orthonotus rufifrons* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Popov (71), 6.viii.1980, 2 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂ 1 ♀, P. Raus & J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 4 ♂♂, L. Pospíšilová lgt., 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 2 ♂♂ 1 ♀, 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevěč NNR (232), 19.vi.2000, 5 ♂♂ 6 ♀♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěč NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, 25.vi.–15.vii.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** On *Urtica dioica*, particularly in moist, shaded places, more rarely on drier, open localities. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Orthops (Orthops) basalis* (A. Costa, 1853)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 16.vii.–4.viii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det., 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja

True bugs (Hemiptera: Heteroptera)

revid., 10.ix.1999, 2 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ 1 ♀, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja revid., 25.viii.2002, 1 ♂ 1 ♀, P. Kment lgt., 5.x.2004, 5 ♂♂ 5 ♀♀, I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Petruvka, Kladenka brook valley (64), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Popov (71), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice, railway station environs (83), 11.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀, 5.x.2004, 1 ♀, 6.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂, L. Pospíšilová lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♀, I. Malenovský lgt., J. Bryja det. (PKPC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 10.ix.1998, 2 ♂♂ 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja revid. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 2 ♀♀, O. Konvička lgt. (NMPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ 1 ♀, 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC); 5.–26.viii.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂ 1 ♀, I. Malenovský lgt., J. Bryja det., 18.viii.2000, 1 ♀, P. Kment lgt., J. Bryja det., 9.–10.ix.2000, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC); 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevěčí NNR (232), 2.–25.vi.2009, Mt, 1 ♀, 25.vi.–15.vii.2009, Mt, 2 ♂♂ 1 ♀, 5.–24.viii.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, J. Meduna lgt. (MMBC). Javorník, Jazevěčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 1 ♂ 4 ♀♀, 5.–24.viii.2009, Mt, 1 ♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♀, 15.vii.–4.viii.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., J. Bryja det. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 22.vi.–15.vii.2009, Mt, 2 ♂♂, 5.–24.viii.2009, Mt, 1 ♀, 16.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂, 24.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–13.vii.2010, Mt, 4 ♂♂ 13 ♀♀, 13.vii.–10.viii.2010, Mt, 4 ♂♂ 5 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 28.v.–18.vi.2007, Mt, 2 ♂♂ 2 ♀♀, 18.vi.–9.vii.2007, Mt, 3 ♂♂ 4 ♀♀, 9.vii.–2.viii.2007, Mt, 1 ♂, 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♀, 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♂ 2 ♀♀, 10.viii.–7.ix.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 25.v.–15.vi.2010, Mt, 3 ♀♀, 15.vi.–9.vii.2010, Mt, 1 ♂ 1 ♀, 9.vii.–12.viii.2010, Mt, 7 ♂♂ 11 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic, introduced to North America. **Biology and habitat:** On Apiaceae. Euryecious, both in xerothermic, open habitats and humid, shaded places. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Orthops (Orthops) campestris* (Linnaeus, 1758)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Poteč, Ploščiny NR (42), under scales of the bark of *Abies alba*, 12.iii.2006, 5 ♂♂ 3 ♀♀, O. Konvička lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., J. Bryja det., 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Slavičín (69), 10.vii.1989, 1 ♀, I. Vavřínová lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Štítina nad Vlárí, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det., 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 1 ♂, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Suhovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, J. Meduna lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 16.ix.–21.x.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, 13.vii.–10.viii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic. **Biology and habitat:** On Apiaceae. Mostly in sunny, warm habitats, both wet and dry, also in gardens. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Orthops (Orthops) kalmii* (Linnaeus, 1758)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráň NR (54).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., J. Bryja det., 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 3 ♂♂, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 2 ♂♂ 5 ♀♀, 4.ix.2005, 2 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 25.viii.2002, 1 ♂, P. Kment lgt., 1.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt., 5.x.2004, 6 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 2.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006,

#### True bugs (Hemiptera: Heteroptera)

2 ♂♂ 2 ♀♀, 18.viii.2006, 2 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt., J. Bryja det., 12.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 6.ix.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 2 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Korytná, Březi (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 2 ♂♂ 3 ♀♀, 21.ix.2001, 1 ♂ 3 ♀♀, P. Kment lgt., J. Bryja det., 21.vii.2002, 1 ♂, I. Malenovský lgt., J. Bryja det., 10.ix.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 10.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt., J. Bryja det. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♀, P. Kment lgt., 9.viii.2001, 1 ♀, P. Kment lgt., 12.ix.2002, 2 ♀♀, I. Malenovský lgt., J. Bryja det. (PKPC). Lopeník, U Zvonice NM (155), 24.vii.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt., 18.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 2 ♂♂ 1 ♀, P. Kment lgt., 25.ix.2004, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 2 ♀♀, 8.viii.2007, 2 ♂♂ 2 ♀♀, 22.ix.2007, 3 ♂♂, P. Kment lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 19.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 25.ix.2004, 1 ♂, 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 19.viii.2004, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 14.vii.–5.viii.2008, Mt, 2 ♂♂, 5.–26.viii.2008, Mt, 7 ♂♂, 24.ix.–27.x.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♂, P. Kment lgt., 28.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 5 ♀♀, I. Malenovský lgt., J. Bryja det., 20.ix.2001, 1 ♀, 4.x.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., 18.viii.2000, 1 ♀, P. Kment lgt., J. Bryja det., 9.–10.ix.2000, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC); 15.vii.–6.viii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♀, 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 5 ♂♂ 5 ♀♀, P. Kment lgt., 1.x.2004, 3 ♂♂ 4 ♀♀, 27.vii.2005, 1 ♂, 1.ix.2005, 5 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.x.2004, 2 ♂♂ 2 ♀♀, 1.ix.2005, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 3 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, J. Meduna lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ 2 ♀♀, I. Malenovský lgt., 8.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det., 17.vii.2002, 1 ♀, I. Malenovský lgt., J. Bryja det., 7.ix.2002, 1 ♀, 27.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, 8.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 5 ♂♂ 1 ♀, 22.viii.–10.ix.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂ 6 ♀♀, P. Kment lgt., 21.ix.2001, 2 ♂♂ 5 ♀♀, I. Malenovský lgt., J. Bryja det. (PKPC). Strání, Záhumenice NM (266), 21.ix.2001, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., J. Bryja det. (PKPC). Strání, Javorina NNR, meadow (270), 17.ix.–21.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic, extending to the Yenisei river. **Biology and**

**habitat:** On Apiaceae. Euryecious, in xerothermic, open habitats as well as humid, shaded places. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Orthotylus (Litocoris) ericetorum ericetorum* (Fallén, 1807) (NT)**

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, only one specimen was collected with a Malaise trap in the Zahrady pod Hájem NNR. Considering the absence of the host plant in natural habitats of the southern part of the Bílé Karpaty PLA, this record is a puzzle; the specimen may have originated in ornamental gardens of the nearby village or may represent a migrating individual. **General distribution:** West Eurosiberian, extending to Maghreb. **Biology and habitat:** On *Calluna vulgaris* and *Erica* spp. in xerothermic heathland, wet moors, as well as in undergrowth of open pine woodland. Locally common (WACHMANN *et al.* 2004). **Red List status:** Near-threatened.

**Comments.** In Moravia recorded so far only from Senorady (6863) (STEHLÍK & HOBERLANDT 1953) and the Rychlebské hory Mts.: Ostružná (5868), Paprsek or Mt. Palaš (5765) (ŠTYS 1956, 1959, as *Melanotrichus ericetorum*).

***Orthotylus (Orthotylus) flavinervis* (Kirschbaum, 1856)**

**Material examined.** Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀, P. Kment lgt., J. Bryja revid. (JBSC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 24.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Jedovnice, Budkovan ponds (6666, N 49°19'45" E 16°46'49"), 2.vii.2000, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one locality in the southern part of the area. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** On *Alnus*, especially *A. glutinosa*, on shores of bodies of water and at forest margins. Widespread but rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded only by STEHLÍK (1944) from Studenec (67–6862).

***Orthotylus (Orthotylus) interpositus* Schmidt, 1938**

**Material examined.** Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 4 ♂♂ 11 ♀♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Nedašov, Na Kopanicách, brook (89), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Horní Němčí, Drahy NR (117), on *Salix purpurea*, 30.vi.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Důbrava [= Důbrava hill] (150), 7.vii.1980, 1 ♂ 3 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** Eurosiberian. **Biology and habitat:** On *Salix*,

especially *S. purpurea*, but also on other species. Widespread, quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far known only from the Hrubý Jeseník Mts. (STEHLÍK 1952), the Moravskoslezské Beskydy Mts. (ROHÁČOVÁ 1994, 2001b), and the Poodří PLA (BRYJA & KMENT 2001).

### *Orthotylus (Orthotylus) marginalis* Reuter, 1883

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 4 ♂♂, I. Malenovský lgt., 11.vii.2006, 2 ♂♂ 8 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 3 ♂♂, I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Bylničky (80), Tarandové hill, 24.vi.1982, 3 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 3 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 7 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Lopeník (152), 8.vi.1999, 4 ♂♂, K. Hradil lgt. et det. (KHMC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 4 ♀♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 7 ♂♂, 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, village (206), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 29.vi.2001, 1 ♀, P. Kment lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♀♀, 13.vii.–10.viii.2010, Mt, 1 ♂, 10.viii.–7.ix.2010, Mt, 1 ♀, 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 1 ♂ 1 ♀, 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** Zoophytophagous. On deciduous trees, especially *Salix* (*S. cinerea* and *S. purpurea*), more rarely on other trees, such as *Alnus*, *Malus*, *Fraxinus*, *Tilia*, and *Ulmus*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Orthotylus (Orthotylus) nassatus* (Fabricius, 1787)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, village (206), on *Tilia* sp., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 2 ♂♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 22.vii.2000, on *Tilia* sp., 1 ♂, P. Kment lgt. (PKPC). Brno – Bystrc, housing estate (6765, N 49°13'03" E 16°30'11"), 29.vi.2000, on *Populus tremula*, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, found only in the central and southern parts of the area. **General distribution:** Eurosiberian and Central Asiatic; introduced to North America. **Biology and habitat:** Probably zoophytophagous. Predominantly on *Tilia*, less frequently on other deciduous trees (*Quercus*, *Fraxinus*, *Alnus*, *Salix*, *Populus*, etc.). Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from the environs of Brunn [= Brno] (67–6865, 67–6866), Prossnitz [= Prostějov] (6568) (SPITZNER 1892), and Suchdol nad Odrou (6373) (BRYJA & KMENT 2001).

### *Orthotylus (Orthotylus) prasinus* (Fallén, 1826)

**Material examined.** Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Popov (71), 6.viii.1980, 3 ♂♂ 6 ♀♀, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 6 ♂♂ 4 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♂♂, I. Malenovský lgt. (JBSC, PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** European. **Biology and habitat:** On deciduous trees, especially on *Ulmus*, but also on other genera (*Corylus*, *Quercus*, *Acer*, *Prunus*, *Salix*, *Fraxinus*, etc.). Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded only by STEHLÍK (1961) from Hranice (6472), Rožnov pod Radhoštěm (6574), and four localities in Brno and its environs (67–6865).

### *Orthotylus (Orthotylus) tenellus* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 3.v.2002, 3 ♂♂, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Strání, Důbrava [= Důbrava hill] (150), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Radějov, Žerotín NM (188), 10.vi.2000, 1 ♀, J. Bryja lgt. (JBSC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), 19.vi.2000, on deciduous trees, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂ 2 ♀♀, 2.–25.vi.2009, Mt, 5 ♂♂ 6 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♀, 5.–24.viii.2009, Mt, 1 ♀, P. Chvojka,



#### True bugs (Hemiptera: Heteroptera)

J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♂ 4 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 1 ♀, 3.–22.vi.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 5 ♀♀, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂, 28.v.–18.vi.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 23.v.2002, 1 ♂, P. Kment lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian, extending to Maghreb and Transcaucasia.

**Biology and habitat:** Zoophytophagous. On deciduous trees, especially *Quercus*, *Fraxinus* and *Corylus*, more rarely on other genera. Common (WACHMANN *et al.* 2004).

**Red List status:** –.

#### *Orthotylus (Orthotylus) virens* (Fallén, 1807)

**Material examined.** Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Mosty u Jablunkova, under the former customs house (6478), 475 m a.s.l., 13.vii.1994, 1 ♂ 1 ♀, M. Roháčová lgt. et det., P. Kment revid. (MBFC). Drahonín, Hadůvka brook valley (6563), 26.vii.1978, 1 ♂, J. L. Stehlík lgt. (MMBC). Rychtářov, Malá Haná rivulet valley (6667), 17.viii.1978, 1 ♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected at two sites only.

**General distribution:** West Eurosiberian. **Biology and habitat:** On narrow-leaved, more rarely also on broad-leaved, *Salix* species. Widespread but rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Horní Bečva (valley of the Mečůvka brook, 6575) in the Moravskoslezské Beskydy Mts. (STEHLÍK & HOBERLANDT 1954), Žulová (5668) in the Rychlebské hory Mts. (ŠTYS 1959), in willow plantation of *S. viminalis* near Skalička (6472) (DOBŠÍK & URBAN 1981), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991), and Kozlovice (Rybníky NR, 6475) in the Moravskoslezské Beskydy Mts. (ROHÁČOVÁ 2003a).

#### *Orthotylus (Orthotylus) viridinervis* (Kirschbaum, 1856)

**Material examined.** Petrůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂ J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 4 ♂♂ 6 ♀♀, P. Lauterer lgt. (MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), on *Tilia* sp., 29.vi.2001, 3 ♂♂ 1 ♀, P. Kment & I.

Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Eurosiberian, extending to Transcaucasia, introduced to North America. **Biology and habitat:** Zoophytophagous. On deciduous trees, especially *Ulmus*, less frequently on *Tilia* (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The distribution of *O. viridinervis* in Moravia is poorly known as it was previously recorded only from Zblovice (7060) (STEHLÍK 1971), Kunín (6373), Jeseník nad Odrou (6373) (BRYJA & KMENT 2001), and Horní Bojanovice (Stračí, 7066) (MALENOVSKÝ *et al.* 2011).

#### ***Orthotylus (Pinocapsus) fuscescens* (Kirschbaum, 1856)**

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Brno – Bystřec, Kuršova street (6765), 16.vi.2007, on *Pinus sylvestris*, 1 ♀, P. Kment lgt. (PKPC). Poštorná, sands at Františkův rybník pond (7267, N 48°43'05" E 16°52'00"), 2.vi.2003, 2 ♀♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two xerothermic sites in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Pinus sylvestris*, at higher altitudes also on *Picea abies*. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded only from Dolní Kounice (6964) (STEHLÍK 1971).

#### ***Orthotylus (Pseudorthotylus) bilineatus* (Fallén, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♀♀, I. Malenovský lgt. (JBSC, PKPC); 29.vi.2001, on *Populus tremula*, 1 ♀, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Additional material examined. MORAVIA:** Klentnice – Perná (7165), 9.viii.1962, 1 ♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Populus*, mostly *P. tremula*, but also found on *P. alba*. Very rare (WACHMANN *et al.* 2004, MAGNIEN *et al.* 2010). **Red List status:** –.

**Comments.** In Moravia, *O. bilineatus* has been recorded so far only from the Hrubý Jeseník Mts.: Divoká Desná (5968–69) (STEHLÍK 1952), the Poodří PLA: Suchdol nad Odrou (6373) (BRYJA & KMENT 2001), and the Čertoryje NNR in the Bílé Karpaty PLA (KMENT 2001). There is an additional record of “*Capsus bilineatus* Fallén” from Altvater [= Mt. Praděd] (5969) in the Hrubý Jeseník Mts. (ASSMANN 1854). However, ASSMANN (1854) provided the following characteristics of the species: “In der Ebene und im

Gebirge, Ende Juni auf den Blüten von *Salvia pratensis* ziemlich häufig ...” [= In lowland and in mountains, at the end of June quite common on flowers of *Salvia pratensis*]. This record was accepted by STEHLÍK (1952) and GORCZYCA (2007), but a misidentification of *Macrotylus herrichi* seems likely, which is supported by the fact that *Capsus bilineatus* is listed just preceding *Capsus* [= *Macrotylus*] *solitarius* in the ASSMANN’s (1854) paper.

### ***Pantilius (Pantilius) tunicatus* (Fabricius, 1781)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC); Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♀ 1 spec., I. Malenovský & T. Vymyslický lgt. (PKPC); 24.viii.2002, larvae, P. Kment observ. Poteč, Ploščíny NR (42), 13.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), on *Alnus glutinosa* and *Corylus avellana*, 23.viii.2002, larvae, P. Kment observ. Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂, O. Konvička lgt. (NMPC). Lopeník, U Zvonice NM (155), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (171), 14.x.2007, 1 ♂, P. Komzák lgt. (PKBC). Radějov, Žerotín NM (188), 19.viii.2002, 2 L, P. Kment observ. Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC); 20.viii.2002, on *Alnus glutinosa*, larvae, P. Kment observ. Radějov, Mandát brook valley below Kútky NR (218), 24.ix.–28.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 8 ♂♂ 3 ♀♀ 2 L, P. Kment & I. Malenovský lgt. (PKPC); 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 5 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 14.ix.–22.x.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** On *Alnus* and *Corylus*, rarely on *Betula* or other deciduous trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

### ***Phoenicocoris modestus* (Meyer-Dür, 1843)**

**Published record.** KMENT & BRYJA (2001): Velká nad Veličkou, Zahrady pod Hájem NNR (225).

**Material examined.** Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 4 ♂♂ 3 ♀♀, 2.–25.vi.2009, Mt, 1 ♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Quite rare, most records coming from the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Pinus*, in the Czech Republic on *P. sylvestris* (KMENT & BRYJA 2001, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Probably a neglected species, known only from a few localities in both Bohemia and Moravia (KMENT & BRYJA 2001).

***Phoenicocoris obscurellus* (Fallén, 1829)**

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Lom Rasová NM (128), on conifers, 5.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Pinus sylvestris*, and *P. mugo* in mountains, exceptionally also on *Picea abies* and *Juniperus communis*. Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Mohelno (6863) (STEHLÍK 1948, as *Psallus obscurellus*) and Kurdějov (Kamenný vrch hill, 7066) (MALENOVSKÝ *et al.* 2011).

***Phylus (Phylus) coryli* (Linnaeus, 1758)**

**Material examined.** Valašské Klobouky, U Rybníků (38), 2.vii.1999, 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Petruvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Popov (71), 6.viii.1980, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Brumov, Holý vrch hill (79), 14.vi.1971, 4 ♂♂ 10 ♀♀, L. Pospíšilová lgt., 4 ♂♂ 5 ♀♀, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 6 ♂♂ 9 ♀♀, P. Lauterer lgt. (MMBC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 3 ♂♂ 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, Lesná hill (123), 24.vii.1980, 2 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Strání, Dúbrava hill (150), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♀, L. Pospíšilová lgt. (MMBC). Žitková (163), 11.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Vápenice, V Krátkých (170), 6.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), on *Corylus avellana*, 19.vi.2000, 1 spec., P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 5 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, extending to Anatolia and Transcaucasia; introduced to North America. **Biology and habitat:** Zoophytophagous. On *Corylus avellana*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Phylus (Phylus) melanocephalus* (Linnaeus, 1767)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 spec., M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 1.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské

True bugs (Hemiptera: Heteroptera)

Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂ 3 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂ 2 ♀♀, K. Hradil lgt. et det. (KHMC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov (173), 4.viii.1962, 1 ♀, P. Lauterer lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 3 ♂♂ 3 ♀♀, 2.–25.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 2 ♂♂ 2 ♀♀, 3.–22.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂ 2 ♀♀, 28.v.–18.vi.2007, Mt, 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 2 ♂♂ 1 ♀, 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 23.v.2002, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 2 ♂♂, 15.vi.–9.vii.2010, Mt, 1 ♂ 2 ♀♀, 9.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** Zoophytophagous. On *Quercus*. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Phylus (Teratoscopus) plagiatus* (Herrich-Schaeffer, 1835)**

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 3 ♂♂ 5 ♀♀, M. Horsák & P. Kment lgt., J. Bryja det. (JBSC, PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, Drahy NR (117), on *Alnus incana*, 30.vi.2001, 1 ♂ 8 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Additional material examined.** MORAVIA: Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 24.vi.2000, 12 ♂♂ 18 ♀♀, 22.vii.2000, 1 ♀, P. Kment lgt. (PKPC, MHBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area except the very south, rare. **General distribution:** Central European. **Biology and habitat:** On *Alnus incana*, rarely on *A. glutinosa* or *Betula*. A mountain species, generally not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded so far only from the Hrubý Jeseník Mts. (STEHLÍK 1952) and Vyšší Lhoty (Profil Morávky NM, 6376) (ROHÁČOVÁ 2001b).

***Phytocoris (Exophytocoris) parvulus* Reuter, 1880**

**Material examined.** Petrůvka, U Petrůvky NM (14), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), on *Juniperus communis*, 13.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, village (194), on *Juniperus sinensis*, 19.viii.2002, 1 spec., P. Kment observ.

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but rare. **General distribution:** Ponto-Mediterranean, extending to central Europe. **Biology and habitat:** Probably zoophytophagous. On *Juniperus communis* and rarely

*Larix decidua* in natural habitats and on introduced Cupressaceae (*Thuja*, *Chamaecyparis*) in towns and villages. Not rare (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The Moravian records were summarized by STEHLÍK (1963, 1998a).

***Phytocoris (Ktenocoris) austriacus* Wagner, 1954**

**Published records.** KMENT & BRYJA (2001): Malá Vrbka, [Výzkum hill], roadside vegetation (205). BRYJA & KMENT (2002): Horní Němčí, Drahy NR (117); Hrubá Vrbka, xerothermic ruderal habitat next to football ground (211); Kněždub, Šumárník hill [= Kněždubský háj forest] (197); Malá Vrbka, along a road on Výzkum hill (205).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 1.ix.2004, 3 ♂♂ 2 ♀♀, 28.vii.2005, 1 ♂, I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 4 ♂♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area in xerothermic sites but quite rare. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** On *Melampyrum pratense*, *Artemisia* and other plants. In open forests, forest clearings, on xerothermic slopes with shrubs, and hedges (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For a long time it was confused with the similar *P. varipes*. First recorded from Moravia by KMENT & BRYJA (2001) and currently known from several localities within the Pannonicum, the Bílé Karpaty Mts. as well as from central Bohemia (KMENT & BRYJA 2001; BRYJA & KMENT 2002, 2006a,b; BRYJA *et al.* 2002; MALENOVSKÝ *et al.* 2011).

***Phytocoris (Ktenocoris) insignis* Reuter, 1876**

**(VU)**

**Material examined.** Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Sedlec, Liščí vrch NR (7266, N 48°47'29" E 16° 41'34"), steppe, 8.ix.1998, 1 ♀, P. Kment det., J. Bryja det. (JBSC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap at a single site on the southern boundary of the area. **General distribution:** Eurosiberian, extending to central Europe. **Biology and habitat:** Zoophagous. Living on dwarf shrubs, e.g. *Calluna vulgaris*, *Erica*, *Cytisus scoparius* or *Artemisia campestris*, preferring warm, sunny sites regardless the substrate, from heathland on sandstone to rocky steppe on limestone. Rare (WACHMANN *et al.* 2004, BRYJA & KMENT 2006a,b). **Red List status:** Vulnerable.

**Comments.** In Moravia recorded so far only from Mikulov (Svatý kopeček NR, 7165) (STEHLÍK 1971, BRYJA & KMENT 2006a), Uherčice (Hochberk, 7066), and Kurdějov (Kamenný vrch hill, 7066) (MALENOVSKÝ *et al.* 2011).

***Phytocoris (Ktenocoris) nowickyi* Fieber, 1870**

= *Phytocoris (Ktenocoris) singeri* Wagner, 1954 (synonymised by RIEGER 2006).

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Brno – Bystřec, Kuršova street (6765), at light in a flat, 26.vii.2003, 1 ♂, M. Kment lgt. (PKPC). Dolní Věstonice, Komárek cottage (7165), sandy steppe, 170 m a.s.l., 15.viii.1973, 1 ♂, J. L. Stehlík lgt. (MMBC). Pavlov, left bank of Dyje river (7166), meadows, 167 m a.s.l., 14.viii.1973, 1 ♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at a single site in the central part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On herbs (e.g. *Rumex conglomeratus*, *Amaranthus retroflexus*, and *Atriplex*) as well as on deciduous trees (*Salix*), preferring humid ruderal sites. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Přítluky (Přítlucká hora hill, 7166), Mutěnice (70–7168), Bzenec (7069) (STEHLÍK 1971, as *P. singeri*), and the Poodří PLA (Oderský luh floodplain forest, 6274) (BRYJA & KMENT 2001).

***Phytocoris (Ktenocoris) ulmi* (Linnaeus, 1758)**

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 spec., M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 23.vi.–16.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Slavičín (69), 10.vii.1989, 1 ♂, I. Vavřínová lgt. (MMBC). Popov (71), 6.viii.1980, 3 ♂♂ 2 ♀♀, J. L. Stehlík lgt. (MMBC). Pitín (72), 20.vii.1957, 1 ♀, Ondřej lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♀♀, P. Lauterer & J. L. Stehlík lgt. (MMBC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov (173), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 25.vi.–15.vii.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., J. Bryja det. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzácké Mlýny (246), 22.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 2 ♂♂ 1 ♀, 9.vii.–2.viii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 2 ♂♂, 13.vii.–10.viii.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenec NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, extending to Iraq and Iran. **Biology and habitat:** Zoophytophagous. On deciduous trees and shrubs (*Crataegus*, *Prunus spinosa*, *Corylus*, *Rubus*, *Malus*, *Ribes*, *Salix*, *Cytisus scoparius*, etc.), exceptionally on conifers. Common (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

***Phytocoris (Ktenocoris) varipes* Boheman, 1852**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 1.ix.2004, 1 ♂, I. Malenovský lgt., 28.vii.2005, 4 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 1 ♀, P. Lauterer & J.L. Stehlík lgt. (MMBC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, P. Kment lgt., J. Bryja det., 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area on xerothermic sites, quite rare. **General distribution:** European, extending to Transcaucasia and Turkmenistan. **Biology and habitat:** On various Asteraceae, Fabaceae, *Rumex*, *Galium*, and Poaceae in xerothermic habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For a long time it was confused with the similar *P. austriacus*. Only the records based on examination of male genitalia can be considered as reliable (BRYJA & KMENT 2001, BRYJA *et al.* 2002, MALENOVSKÝ *et al.* 2011).

***Phytocoris (Phytocoris) confusus* Reuter, 1896**

**Published record.** KMENT *et al.* (2005): Poteč, Ploščiny NR (42).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one site in the northern part of the area. **General distribution:** North-Mediterranean, extending to central Europe. **Biology and habitat:** On deciduous trees (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** A rare species with scattered occurrence in western, central and southern Europe. In the Czech Republic it has been known only from two localities in Moravia: Náměšť na Hané (63–6468) (STEHLÍK 1961) and the Ploščiny NR in the Bílé Karpaty PLA.

***Phytocoris (Phytocoris) dimidiatus* Kirschbaum, 1856**

**Material examined.** Lopeník, U Zvonice NM (155), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 2.–31.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 10.ix.–3.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected on three sites in the central and southern parts of the area. **General distribution:** West Eurosiberian, extending to Maghreb, Transcaucasia and Kyrgyzstan; introduced to North America. **Biology and habitat:** Zoophytophagous. On stems and thicker branches of deciduous trees, especially old fruit trees (*Malus*, *Pyrus*, *Prunus*), more rarely on *Quercus*, *Tilia*, *Fagus*, *Fraxinus*, *Salix*, etc. (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brno (Kohoutovice, 6765; Komárov, 6865; Žlutý kopec hill, 6865) and Jeřmaň near Litovel (6267) (STEHLÍK 1971).



***Phytocoris (Phytocoris) hirsutulus* Flor, 1861**

**Material examined.** Javorník, Jazevčí NNR (232), 5.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected with a Malaise trap at a single site in the southern part of the area. **General distribution:** A central European species, outside the Czech Republic recorded only from Germany, Latvia (KERZHNER & JOSIFOV 1999), Slovenia (FLOREN & GOGALA 2002), and Estonia (COULIANOS 2005). **Biology and habitat:** Living on stems and thick branches of old fruit trees in orchards (*Malus*, *Pyrus*), as well as of *Quercus* and *Fagus*, covered with moss and lichens. Widespread but rare (WACHMANN *et al.* 2004, HRADIL *et al.* 2008). **Red List status:** Not evaluated; a candidate species for a future edition of the national Red List.

**Comments.** There has been only one record of *P. hirsutulus* for the Czech Republic: Holovousy (5659) in eastern Bohemia (HRADIL *et al.* 2008). Here we report it for the first time from Moravia.

***Phytocoris (Phytocoris) intricatus* Flor, 1861**

**Material examined.** Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only on Mt. Velká Javořina by means of a Malaise trap. **General distribution:** Eurosiberian. **Biology and habitat:** Probably zoophytophagous. On conifers, mostly on old spruce trees (*Picea abies*) covered with lichens, but found also on *Chamaecyparis*, *Larix*, and *Pinus*. Rare, preferring higher altitudes (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia recorded by STEHLÍK (1971) from Malé Štáhle (6070), the Moravian Karst (between Křtiny and Jedovnice, 6666), and Grešlové Mýto (Mírovec, Špičák, 7061).

***Phytocoris (Phytocoris) longipennis* Flor, 1861**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 11.vii.2006, 1 ♂ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Petřůvka, Kladenka brook valley (64), 23.vi.–16.vii.2008, Mt, 1 ♀, 4.–25.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Popov (71), 6.viii.1980, 1 ♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Svatý Štěpán, Chladný vrch NM (93), 4.vii.–11.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, on *Corylus avellana*, 1 ♀, P. Kment lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 28.vii.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J.

Bryja det. (JBSC); 5.–24.viii.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 5.–24.viii.2009, Mt, 2 ♂♂, 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, 13.vii.–10.viii.2010, Mt, 1 ♂, 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 2.–22.viii.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 21 ♂♂, 12.viii.–9.ix.2010, Mt, 5 ♂♂ 3 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 2 ♂♂, 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, introduced to Canada. **Biology and habitat:** Zoophytophagous. On deciduous trees (*Corylus*, *Quercus*, *Fraxinus*, *Salix*, *Crataegus*, *Alnus*, *Prunus*, *Malus*, *Populus*, etc.), preferring humid habitats, especially floodplain forests. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Phytocoris (Phytocoris) pini* Kirschbaum, 1856

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 27.vii.2000, 1 ♂, I. Malenovský lgt., J. Bryja det. (JBSC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, found only in three localities in the central and southern parts of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Mostly zoophagous. On various conifers, especially *Pinus*, at higher altitudes also on *Picea*, rarely on *Larix*, *Abies*, *Juniperus*, or introduced Cupressaceae (*Chamaecyparis*, *Thuja*). Widespread, not rare (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The Moravian records were summarized by STEHLÍK (1952, 1998a).

#### *Phytocoris (Phytocoris) populi* (Linnaeus, 1758)

**Material examined.** Nová Lhota, Vápenky, left-side tributary of Velička river (252), 24.viii.–16.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap at one site in the southern part of the area. **General distribution:** Eurosiberian, introduced to North America. **Biology and habitat:** Mostly zoophagous. On deciduous trees, preferring Rosaceae (*Crataegus*, *Prunus spinosa*, *Sorbus aucuparia*, *Malus*, *Pyrus*, *Prunus domestica*), more rarely on *Alnus*, *Quercus*, *Salix*, *Betula*, *Ulmus*, etc. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from the environs of Brünn [= Brno] (6765–66, 6865–66) (SPITZNER 1892), Brno (STEHLÍK 1948), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991), and Staré Hamry (Mazák NNR, 6476) (ROHÁČOVÁ 1990a).

***Phytocoris (Phytocoris) reuteri* Saunders, 1876**

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, 4.–25.viii.2008, Mt, 1 ♂, 25.viii.–23.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♂, P. Kment lgt. (JBSC). Valašské Klobouky, Bílé potoky NR, meadow (48), forest margin and solitary trees, 14.viii.2006, 1 ♀, P. Kment lgt. (JBSC). Kněždub, Čertoryje NNR, Radějovka brook (204), 12.viii.–9.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 15.vii.–6.viii.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European. **Biology and habitat:** Mostly zoophagous. On deciduous trees, preferring Rosaceae (*Crataegus*, *Prunus spinosa*, *Sorbus aucuparia*, *Malus*, *Pyrus*), more rarely on *Alnus*, *Quercus*, *Salix*, *Betula*, *Ulmus*, etc. Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brno (Žlutý kopec hill, 6865), Kuřim (Zlobice NM, 6665), Orlovice (6768), and Němčičky (Nosperk NR, 7067) (STEHLÍK 1971).

***Phytocoris (Phytocoris) tiliae tiliae* (Fabricius, 1777)**

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Svatý Štěpán, Chladný vrch NM (93), 11.viii.–8.ix.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Eurosiberian, extending to Maghreb and Anatolia, introduced to North America. **Biology and habitat:** On deciduous trees, mainly *Tilia*, but also *Quercus*, *Corylus*, *Populus*, *Crataegus*, *Sorbus*, *Fagus*, *Malus*, *Acer*, *Fraxinus*, *Salix*, etc. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Brunn [= Brno] (6765–66, 6865–66), Gewitsch [= Jevíčko] (6366), Prossnitz [= Prostějov] (6568) (SPITZNER 1892), Čebín (Čebínka hill, 6664) and Brno (STEHLÍK 1948), the environs of Bruntál (DOBŠÍK 1983), Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991), the Poodří PLA (Oderský luh floodplain forest, 6274) (BRYJA & KMENT 2001), Hukvaldy (Hradní vrch hill, 6375) (ROHÁČOVÁ 2003b), Staříč (Kamenná NM, 6375) (ROHÁČOVÁ 2007a,b), Kurdějov (Kamenný vrch hill, 7066), and Úvaly (Kameníky, 7266) (MALENOVSKÝ *et al.* 2011).

***Piezocranum simulans* Horváth, 1877**

(VU)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Lopeník, Velký Lopeník Mt. (181), meadow on the summit, 17.vii.1992, on *Galium verum*, *Hypericum*, and *Rumex*, 1 ♂ 5 ♀♀, M. Roháčová lgt. et det. (MBFC).

**Additional material examined. MORAVIA:** Havraníky, Havranické vřesoviště heathland (7161–62), steppe with *Calluna vulgaris*, 270–280 m a.s.l., 16.vi.1988, 1 ♂ (ma) 5 ♀♀ (br), 310–335 m a.s.l., 16.vi.1984, 3 ♀♀ (br), P. Lauterer lgt. (MMBC). Konice, Suchý vrch hill (7162), steppe, 250–263 m a.s.l., 9.vii.1984, 1 ♀ (br), P. Lauterer lgt., 16.vi.1988, 3 ♂♂ (ma), J. L. Stehlík lgt. (MMBC). Popice – Havraníky, environs of Suťová pole CHPV [= Popické kopečky NM] (7162), steppe slope, 270–370 m a.s.l., 13.vi.1984, 1 ♂ (ma) 2 ♀♀ (br), P. Lauterer lgt. (MMBC). Sedlešovice, Kraví hora hill (7162), steppe and forest-steppe on sands, 290–322 m a.s.l., 9.vii.1984, 1 ♂ (ma) 5 ♀♀ (br, ma), P. Lauterer & J. L. Stehlík lgt. (MMBC). Poštorná, sands at Františkův rybník pond (7267, N 48°43'05" E 16°52'00"), 2.vi.2003, 1 ♀ (br), P. Kment lgt. (PKPC). Hostěradice, hill above the village (7063), 3.vii.1989, 1 ♂ (ma) 1 ♀ (ma) 2 ♀♀ (br), J. L. Stehlík lgt. (MMBC). Rohatec (7169), 30.vi.1986, 1 ♀ (br), J. Vilimová lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected at two sites in the central and southern parts of the area. **General distribution:** South Eurosiberian. **Biology and habitat:** On *Linaria* (*L. vulgaris* and *L. genistifolia*) in xerothermic, open habitats. Rare (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** For Moravia so far published only from the Hrubý Jeseník Mts.: Opavice (5870) (STEHLÍK 1952), the Čertoryje NNR in the Bílé Karpaty Mts. (KMENT 2001), Moravský Krumlov (Florián, 6963) and Budkovice (Krumlovský les forest, 6963) (BRYJA *et al.* 2002).

#### *Pilophorus cinnamopterus* (Kirschbaum, 1856)

**Material examined.** Horní Němčí, Drahy NR (117), on *Pinus sylvestris*, 21.ix.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Pinus sylvestris*, 19.vi.2000, 1 ♀, P. Kment lgt., 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 20.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Brno – Bystrc, housing estate (6765, N 49°13'03" E 16°30'11"), 29.vi.2000, on *Pinus sylvestris*, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Bzenec, Váté písky NNM (7069, N 48°55'37" E 17°16'15"), 29.vi.1999, 1 ♀, M. Horsák lgt., J. Bryja det. (MHBC). Bzenec, Vojenské cvičiště NM (7069, N 48°57'30" E 17°17'26"), 27.vi.1999, 1 ♀, M. Horsák & J. Nerudová lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two xerothermic sites in the southern part of the area. **General distribution:** Eurosiberian and Central Asiatic, introduced to Canada. **Biology and habitat:** Zoophytophagous. On *Pinus* (e.g. *P. sylvestris*), rarely also on *Picea* and *Abies*, in closed forests as well as on solitary trees. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded by SPITZNER (1892) without any exact locality, STEHLÍK (1961) from Střemeníčko (Holý vrch hill, 6367) and Mohelno (6863), BRYJA & KMENT (2001) from Suchdol nad Odrou (6373), and ROHÁČOVÁ (2003a) from Kozlovice (Rybníky NR, 6475).

#### *Pilophorus clavatus* (Linnaeus, 1767)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Popov (71), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.ix.2002, 1 ♂, P. Kment lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, P. Raus lgt. (MMBC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), on *Populus tremula*, 8.vii.2000, 1 ♀, P. Kment lgt.

(PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Hrubá Vrbka, football ground (211), on *Populus nigra*, 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), on *Salix* sp., 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♀, Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian, extending to Syria; North America (perhaps introduced). **Biology and habitat:** Zoophytophagous. On deciduous trees, especially *Salix*, but also on *Quercus*, *Populus*, *Tilia*, *Betula*, *Alnus*, *Corylus*, and rosaceous trees. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

### *Pilophorus confusus* (Kirschbaum, 1856)

**Material examined.** Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 4 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Ostopovice, Leskava brook surroundings (6865, N 49°09'52" E 16°33'05"), 230 m a.s.l., 7.ix.2004, 1 ♀, I. Malenovský & L. Dembický lgt. (PKPC). Dolní Věstonice (7165), 8.ix.1957, 1 ♂, P. Lauterer lgt., 6.vii.1959, 1 ♀, J. L. Stehlík lgt. (MMBC). Mikulov (7165), city park, 240 m a.s.l., 7.vii.1989, 1 ♀, P. Lauterer lgt. (MMBC). Bulhary (7166), floodplain forest, 12.vii.1990, 1 ♂, P. Lauterer lgt. (MMBC). Břeclav, Pohansko deer game park (7267), 16.vii.2004, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Lanžhot (7267), floodplain forest margin, 18.vi.1969, 1 ♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one site in the southern part of the area. **General distribution:** Eurosiberian and Central Asiatic; introduced to North America. **Biology and habitat:** Zoophytophagous. On deciduous trees, especially *Salix*, but also on other genera (e.g. *Populus*, *Alnus*, and *Crataegus*). Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only by SPITZNER (1892) from Olmütz [= Olomouc] (63–6469), Prossnitz [= Prostějov] (6568), Wischau [= Vyškov] (6767–68), and Brunn [= Brno] (67–6865).

### *Pilophorus perplexus* Douglas et Scott, 1875

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, village (51), 17.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Popov (71), 6.viii.1980, 1 ♀ 1 L, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, village (109), on *Acer platanoides*, 13.viii.2001, 2 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Malá Vrbka, between village and Výzkum hill (205), on *Salix* sp., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, village (206), on *Tilia* sp., 16.–17.viii.2000, 3 ♂♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top

(210), 18.vi.2000, 3 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although most records come from its southern part. **General distribution:** Eurosiberian, extending to Maghreb, Transcaucasia and Iran; introduced to North America. **Biology and habitat:** Zoophytophagous. On various deciduous trees, rarely on shrubs and conifers. Common (STEHLÍK 1998a, WACHMANN *et al.* 2004). **Red List status:** –.

### *Pinalitus atomarius* (Meyer-Dür, 1843)

**Material examined.** Bylnice, Hložecké údolí valley (23), under scales of the bark of *Abies alba*, 24.xi.2006, 2 ♂♂, O. Konvička lgt. (NMPC). Poteč, Ploštiny NR (42), under scales of the bark of *Abies alba*, 12.iii.2006, 5 ♂♂ 2 ♀♀, O. Konvička lgt., 17.viii.2006, beaten from *Abies alba*, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Svatý Štěpán, below quarry downhill of Okrouhlá NM (98), under scales of the bark of *Abies alba*, 19.xii.2006, 1 ♀, O. Konvička lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the northern part of the area. **General distribution:** European, extending to Maghreb and Anatolia. **Biology and habitat:** On conifers (*Picea*, *Pinus*, *Abies*). A boreo-montane species, preferring higher altitudes. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded “um Brünn” [= in the environs of Brno] (67–6865, 67–6866) (SPITZNER 1892, as *Hadrodema atomaria*), in Třebíč (Terůvky, 6860) (STEHLÍK 1948, as *Lygus atomarius*), and several localities in the district of Vsetín, where overwintering adults were regularly found under the bark of fir trees (*Abies alba*) (SPITZER *et al.* 2010).

### *Pinalitus cervinus* (Herrich-Schaeffer, 1841)

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, village (51), on *Buxus sempervirens*, 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, J. L. Stehlík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (JBSC). Horní Němčí, village (109), on *Tilia* sp. and *Acer platanoides*, 13.viii.2001, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), on *Salix caprea*, 18.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 3 ♂♂, P. Kment lgt., J. Bryja det. (JBSC, PKBC); 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC); 14.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 24.ix.–28.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC); 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), on *Buxus sempervirens*, 8.viii.2001, 4 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂ 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♀, P. Kment

Igt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 2 ♂♂, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, 7.ix.–21.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek Igt. (NMPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 3 ♂♂ 1 ♀, 24.viii.–17.ix.2009, Mt, 1 ♂ 1 ♀, 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Eurosiberian, extending to Maghreb and Anatolia. **Biology and habitat:** On deciduous trees, especially *Tilia*, *Fraxinus*, and *Corylus*, also on *Buxus sempervirens*, rarely on other trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Pinalitus coccineus* (Horváth, 1898)**

(VU)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Kněždub, Čertoryje NNR (202), 19.vi.1980, 8 ♂♂ 12 ♀♀ 6 L, P. Lauterer & J. L. Stehlík Igt. (MMBC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský Igt. (PKPC).

**Additional material examined. MORAVIA:** Žarošice (6967), forest margin, 320–330 m a.s.l., 3.vii.1962, 1 ♀, P. Lauterer Igt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in two localities in the southern part of the area. **General distribution:** Balkan-Pannonian species. Recorded from Austria, Bulgaria, Czech Republic, Greece, Hungary, Serbia, Slovakia, and Ukraine (the Carpathians) (KERZHNER & JOSIFOV 1999, LINNAVUORI 1999, PROTIC 1998). **Biology and habitat:** On *Loranthus europaeus* parasitising on oak trees. Rare (ŠTYS 1970, WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In the Czech Republic recorded so far only from southern Moravia: Lednice (71–7266) (ŠTYS 1970), the Čertoryje NNR in the Bílé Karpaty Mts. (KMENT 2001), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Pinalitus rubricatus* (Fallén, 1807)**

**Material examined.** Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♂, J. L. Stehlík Igt. (MMBC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 4 ♀♀, P. Kment & I. Malenovský Igt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 2 ♂♂, J. L. Stehlík Igt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Pinus sylvestris*, 19.vi.2000, 1 ♂, P. Kment Igt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian, extending to Maghreb, introduced to North America. **Biology and habitat:** On conifers, especially *Picea*, but also on *Pinus*, *Abies*, and *Larix*. In mountain regions as well as on conifers planted in lowlands. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from the Hrubý Jeseník Mts. (FIEBER 1861, as *Lygus rubricatus* var.  $\alpha$ ; SPITZNER 1892; STEHLÍK 1952), Prossnitz [= Prostějov] (6568), Lultsch [= Luleč] (6767) (SPITZNER 1892), the Rychlebské hory Mts. (ŠTYS

1959), the Poodří PLA (BRYJA & KMENT 2001), and the Moravskoslezské Beskydy Mts. (ROHÁČOVÁ 2001a, 2003a). Also known from the Polish side of the Gl. Schneeberg [= Mt. Králický Sněžník] (5766–67) (POLENTZ 1944, as *Lygus rubricatus*).

***Pithanus maerkelii* (Herrich-Schaeffer, 1838)**

**Material examined.** Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂ (mi), P. Kment & I. Malenovský lgt. (PKPC).

**Additional material examined. MORAVIA:** Vranov nad Dyjí, 1 km W towards Lančov (7060), 400–415 m a.s.l., forest margin and mesophilous meadow, 28.ix.1976, 1 ♀, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in one locality, on Mt. Velká Javořina. **General distribution:** West Eurosiberian, introduced to North America. **Biology and habitat:** On Poaceae (*Agrostis*, *Festuca*, *Nardus*, *Deschampsia*), Cyperaceae (*Carex*, *Scirpus*), and Juncaceae (*Juncus*) in dry to humid habitats such as open grassland, forest clearings and forest margins. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Strážnice (70–7169), Bzenec (7069) (HOBERLANDT 1947), Poušov near Třebíč (6760), Brno-Bystrc (6765) (STEHLÍK 1945a), Pouzdřany (7065) (STEHLÍK 1948), Královský potok brook (precise location unknown) in the Hrubý Jeseník Mts. (STEHLÍK 1952), Nové Vilémovice (5667) and Javorník (Račí údolí valley, 5667) in the Rychlebské hory Mts. (ŠTYS 1959), Bernartice nad Odrou (6373) (BRYJA & KMENT 2001), Hodějice (Rašovický zlom – Chobot, 6867) (MALENOVSKÝ *et al.* 2011), and Krásná pod Lysou horou (Obidová NM, 6477) (ROHÁČOVÁ 2011). Also known from the Polish side of the Gl. Schneeberg [= Mt. Králický Sněžník] (5766–67) (POLENTZ 1944).

***Placochilus seladonicus seladonicus* (Fallén, 1807) (VU) (Fig. 6)**

**Material examined.** Nedašov, Jalovcová stráž NR (54), 28.vii.2005, 3 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂ 6 ♀♀, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂ (freshly hatched), I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., J. Bryja det. (JBSC, PKPC); 29.vi.2001, 3 ♂♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 11 ♂♂ 13 ♀♀ 1 spec. (freshly hatched), L. Pospíšilová lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (JBSC, PKPC); 28.v.–18.vi.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, a characteristic species for species-rich meadows. **General distribution:** West



Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** On *Knautia arvensis* and *Scabiosa* in open xerothermic habitats on sandy as well as limestone substrates (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** In Moravia characteristic for species-rich plant communities, especially in dry to mesic meadows. However, its distribution here is still poorly known with only few published records (see MALENOVSKÝ *et al.* 2011).

### *Plagiognathus (Plagiognathus) arbustorum arbustorum* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 2 ♀♀, P. Kment lgt., J. Bryja det. (PKPC); 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 7 ♂♂ 6 ♀♀, M. Horsák & P. Kment lgt. (MHBC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 3 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja revid. (MUBC, PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 1.vi.2002, 3 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 4 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 20 ♂♂ 11 ♀♀, P. Kment lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 6 ♂♂ 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 2 ♀♀, L. Pospíšilová lgt. (MMBC). Slavičín (69), 10.vii.1989, 1 ♀, I. Vavřínová lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 2 ♀♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 3 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂, J. L. Stehlík lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 6 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 3 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 4 ♂♂ 5 ♀♀, P. Kment & M. Omesová lgt., J. Bryja revid. (MHBC, MUBC, PKPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 3 ♀♀, L. Pospíšilová lgt. (MMBC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 5 ♂♂ 3 ♀♀, P. Baňar lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Korytná, Březi (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 3 ♀♀, P. Kment lgt. (PKPC). Korytná (115), 23.vii.1951, 3 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 3 ♀♀, P. Lauterer & P. Raus lgt. (MMBC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 3 ♂♂ 3 ♀♀, P. Raus lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 5 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 12 ♂♂ 16 ♀♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 24.vii.2005, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt., 19.viii.2004, 2 ♀♀, P. Kment lgt. (PKPC). Radějov,

Holý vrch hill (189), 4.vii.1977, 3 ♂♂ 4 ♀♀, L. Pospíšilová lgt., 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 13 ♂♂ 13 ♀♀ (1 ♂ freshly hatched), 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂, P. Kment lgt., 18.vi.2000, 28 ♂♂ 11 ♀♀, I. Malenovský lgt., 22.vi.2001, 1 ♂ 5 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 5 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 14 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♀, 25.vi.–15.vii.2009, Mt, 2 ♂♂ 3 ♀♀, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♀♀, 13.vii.–10.viii.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂ 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 4 ♂♂ 2 ♀♀, 18.vi.–9.vii.2007, Mt, 2 ♂♂ 1 ♀♀, 9.vii.–2.viii.2007, Mt, 4 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 4 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 1 ♂ 3 ♀♀, 9.vii.–12.viii.2010, Mt, 4 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 2 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian and Central Asiatic, introduced to North America.

**Biology and habitat:** A polyphagous zoophytophage. On various herbs (Asteraceae, Lamiaceae, Urticaceae, Fabaceae, Rosaceae, Apiaceae, etc.) in dry to humid habitats, preferring shaded or half-shaded places on nutrient-rich substrates, such as alluvial meadows and ruderal sites. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

### *Plagiognathus (Plagiognathus) bipunctatus* Reuter, 1883

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 4 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC, PKPC); 18.vi.2000, 3 ♂♂ 1 ♀, 8.vii.2000, 1 ♂, 27.vii.2000, 1 ♂, I. Malenovský lgt., 16.viii.2000, 2 ♀♀, 22.vi.2001, 2 ♀♀, P. Kment lgt., 28.vii.2001, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC).

**Additional material examined. MORAVIA:** Bílovice nad Svitavou, Hádecká planinka NNR (6766), 9.ix.1997, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Poštorná, sands at Františkův rybník pond (7267, N 48°43'05" E 16°52'00"), 29.v.1999, 1 ♀, M. Horsák, P. Kment & J. Nerudová lgt., J. Bryja det. (JBSC); 30.vi.2000, 1 ♀, P. Kment lgt. (PKPC); 2.vi.2003, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two sites in the southern part of the area. **General distribution:** West Palaearctic (except North Africa). **Biology and habitat:** A polyphagous phytophage. On various herbs (e.g. *Salvia*, *Marrubium*, *Verbascum*, and *Echium*) in open xerothermic habitats, often in ruderal sites. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brno (Stránská skála hill, 6866) (STEHLÍK & HOBERLANDT 1954), ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), Rokytná (6963) (BRYJA *et al.* 2002), Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a), Kurdějov (Kamenný vrch hill, 7066), and Sedlec (Skalky, 7266) (MALENOVSKÝ *et al.* 2011).

***Plagiognathus (Plagiognathus) chrysanthemii* (Wolff, 1804)**

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54); Strání, Záhumenice NM (266).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 20 ♂♂ 10 ♀♀, M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 11 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt., 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♂♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 5 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 23 ♂♂ 12 ♀♀, P. Kment & I. Malenovský lgt., 1.ix.2004, 1 ♂ 3 ♀♀, 28.vii.2005, 13 ♂♂ 6 ♀♀, I. Malenovský lgt., 12.vii.2006, 4 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 5 ♂♂ 7 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 3 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 3 ♂♂ 3 ♀♀ (1 ♀ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 9 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 2 ♂♂ 5 ♀♀, L. Pospíšilová lgt. (MMBC). Slavičín (69), 10.vii.1989, 1 ♂, I. Vavřínová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 3 ♀♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 5 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandov hill (80), 24.vi.1982, 10 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 5 ♂♂ 4 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 7 ♂♂ 4 ♀♀, P. Kment & M. Omesová lgt., J. Bryja revid., 11.ix.1999, 1. Malenovský & T. Vymyslický lgt., J. Bryja revid. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ 3 ♀♀, 28.vii.2005, 8 ♂♂ 7 ♀♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ 2 ♀♀, 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 6 ♂♂ 2 ♀♀, 11.vii.2009, 5 ♂♂ 3 ♀♀, P. Baňar lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ 3 ♀♀, P. Lauterer lgt. (MMBC). Korytná (115), 23.vii.1951, 2 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 266 ♂♂ 151 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 3 ♂♂ 3 ♀♀, P. Kment lgt., 21.vii.2002, 14 ♂♂ 32 ♀♀, I. Malenovský lgt. (PKPC); 13.viii.2001, on *Echium vulgare* along the road, 1 ♂, J. Bryja det. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Horní Němčí, Vinohrádky (121), 30.vi.2001, 6 ♂♂ 1 ♀, I. Malenovský lgt., 13.viii.2001, 2 ♂♂, P. Kment lgt., 20.vii.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 23.vii.1951, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂ 3 ♀♀, P. Lauterer & P. Raus lgt. (MMBC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Strání, Důbrava [= Důbrava hill] (150), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 41 ♂♂ 55 ♀♀, I. Malenovský lgt., 3.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 3 ♂♂ 8 ♀♀, P. Kment

lgt., 24.vii.2005, 21 ♂♂ 11 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 2 ♀♀, L. Pospíšilová lgt. (MMBC); 24.vii.2005, spruce forest margin, 1 ♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 2 ♂♂ 1 ♀, 19.vi.–11.vii.2007, Mt, 1 ♂, 11.–31.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 16 ♂♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov (173), 4.viii.1962, 1 ♀, P. Lauterer lgt. (MMBC). Výškovec, Pod Hřibovňou NM (176), 28.vi.2004, 6 ♂♂, I. Malenovský lgt., 24.vii.2005, 69 ♂♂ 94 ♀♀, P. Kment lgt., 3.ix.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 27.vi.2004, 22 ♂♂ 7 ♀♀, I. Malenovský lgt., 24.vii.2005, 32 ♂♂ 28 ♀♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 2 ♂♂ 3 ♀♀, I. Malenovský lgt., 19.viii.2004, 1 ♂ 1 ♀, 24.vii.2005, 17 ♂♂ 15 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 3 ♂♂, P. Kment lgt. (PKBC); 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♂, 8.vii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 4 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 95 ♂♂ 67 ♀♀, I. Malenovský lgt., 8.vii.2000, 1 ♂ 3 ♀♀, P. Kment lgt., 27.vii.2000, 3 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 22.vi.2001, 22 ♂♂ 6 ♀♀, 28.vii.2001, 18 ♂♂ 28 ♀♀, P. Kment & I. Malenovský lgt., 27.vi.2002, 41 ♂♂ 37 ♀♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt., 8.vii.2000, 1 ♀, P. Kment lgt., J. Bryja det., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 2 ♂♂, Z. Malinka lgt. (ZMOC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 14 ♂♂ 13 ♀♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 3 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, on *Mentha longifolia*, 1 ♂, P. Kment lgt., 27.vii.2005, 7 ♂♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 7 ♂♂ 2 ♀♀, 27.vii.2005, 36 ♂♂ 50 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, spring fen, 2 ♀♀, P. Kment lgt., 27.vii.2005, 5 ♂♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 7 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 29 ♂♂ 15 ♀♀, I. Malenovský lgt., 18.viii.2000, 1 ♀, 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 6 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 42 ♂♂ 23 ♀♀, 17.vii.2002, 4 ♂♂ 2 ♀♀, 23.vi.2004, 2 ♂♂ 1 ♀, 27.vii.2005, 8 ♂♂ 6 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 59 ♂♂ 17 ♀♀, 8.viii.2001, 1 ♀, P. Kment lgt., 24.v.2002, 3 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 23.vi.2004, 22 ♂♂ 7 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 2 ♂♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 1 ♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 4 ♂♂ 2 ♀♀, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 136 ♂♂ 78 ♀♀, I. Malenovský lgt., 9.viii.2001, 6 ♂♂ 4 ♀♀, P. Kment lgt., 20.vii.2002, 7 ♂♂ 11 ♀♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 11 ♂♂ 10 ♀♀, P. Kment & I. Malenovský lgt., 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic (except North Africa), introduced to North America.

**Biology and habitat:** A polyphagous phytophage. On various herbs (especially Asteraceae and Fabaceae) in dry to slightly humid, open habitats, regardless of substrate.

Very common (WACHMANN *et al.* 2004). **Red List status:** –.

***Plagiognathus (Plagiognathus) fulvipennis (Kirschbaum, 1856)***

**Material examined.** Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂ 1 ♀ (NMPC). Malá Vrbka, between village and Výzkum hill (205), 18.vi.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two localities in the southern part of the area. **General distribution:** North Mediterranean, extending to central Europe and Iran. **Biology and habitat:** On Boraginaceae, especially on *Echium vulgare*, inhabiting xerothermic habitats, mostly on sandy grounds. Rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Its known distribution in Moravia was reviewed by MALENOVSKÝ *et al.* (2011).

***Plagiognathus (Plagiognathus) vitellinus (Scholz, 1847)***

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, Javorůvky NR (32), on *Picea abies*, 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Svätý Štěpán, Chladný vrch NM (93), 16.vi.–4.vii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 3 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, village (147), 2.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♂♂ 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, on *Larix decidua*, 1 ♀, 22.vi.2001, on *Picea abies*, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), at railway station, on *Picea abies*, 29.vi.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Larix decidua*, 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevečí NNR (232), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, on conifers, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 2 ♂♂ 2 ♀♀, L. Pospíšilová lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 4 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian; introduced to North America. **Biology and habitat:** Zoophytophagous. On conifers, especially on *Picea abies* and *Larix decidua*, rarely on *Pinus sylvestris*, in closed woodland as well as on solitary trees. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

***Plesiodema pinetella (Zetterstedt, 1828)***

**Material examined.** Poteč, Ploštiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (JBSC). Kněždub, Radějovka brook valley below Čertoryje (198), on *Picea abies* and *Pinus sylvestris*, 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 3 ♂♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Bransouze, along road to Chlum (6660), on *Pinus sylvestris*, 5.vi.2008, 2 ♀♀, P. Kment lgt. (PKPC). Nevojice (6868), 29.v.1983, 1 ♀, J. Meduna lgt. (MMBC). Ohrozim, Čubernice (6568), pine forest on S exposed slope, 290–330 m a.s.l., 15.vi.1982, 2 ♀♀, P. Lauterer lgt., J. Bryja det. (MMBC). Poštorná, Boří Les from railway station towards Františkův rybník pond (7267), 29.v.1999, 1 ♀, M. Horsák, P. Kment & J. Nerudová lgt., J. Bryja det. (JBSC). Poštorná, sands at Františkův rybník pond (7267, N 48°43'05" E 16°52'00"), 2.vi.2003, 1 ♀, P. Kment lgt. et det., J. Bryja revid. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, although widespread throughout the area. **General distribution:** Eurosiberian, extending to Maghreb. **Biology and habitat:** Possibly zoophytophagous. On conifers, mostly *Pinus* (*P. sylvestris*, *P. nigra*, *P. mugo*), less frequently on *Picea* and *Larix*. Widespread, but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known only from Jedovnice (6666) so far (STEHLÍK 1979).

#### *Polymerus (Poeciloscytus) microphthalmus* (Wagner, 1951)

**Published records.** KMENT & BRYJA (2001): Petrůvka, U Petrůvky NM (14). BRYJA & KMENT (2002): Hrubá Vrbka, football ground (211); Javorník, Jazevčí NNR (232); Velká nad Veličkou, shore growth of the Velička river in the village (224).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Kloboucká street (76), 2.ix.2004, 3 ♂♂, 28.v.2005, 3 ♂♂ 1 ♀, I. Malenovský lgt., 4.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 19.viii.2004, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂ 3 ♀♀, P. Kment lgt., J. Bryja det., 16.viii.2000, 1 ♂, P. Kment lgt. et det., 20.ix.2001, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt., J. Bryja det. as *P. palustris*, P. Kment revid. (PKPC); 18.viii.2000, 1 ♂, 29.vi.2001, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 2.–22.viii.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Galium verum* and *G. mollugo* in dry as well as humid habitats (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** First recorded for the Czech Republic from the Bílé Karpaty Mts. by KMENT & BRYJA (2001), later followed by additional records from both Moravia and Bohemia (BRYJA & KMENT 2002, MALENOVSKÝ *et al.* 2011). The specimens were identified using the coloration, morphometric characters, and structure of the aedeagus according to RINNE (1989).

#### *Polymerus (Poeciloscytus) palustris* (Reuter, 1907)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two sites in the central and southern parts of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Galium* (*G. palustre*, *G. boreale*, *G. aparine*) in open as well as shaded, humid habitats (e.g. wet meadows, swamps). Widespread, but rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Strážnice (HOBERLANDT 1947), Senorady (6863), Horákov u Brna (6766), Radostice (6864), Střelice (6865) (STEHLÍK 1948), the Poodří PLA (Oderský luh floodplain forest, 6275) (BRYJA & KMENT 2001), and Kozlovice (Rybníky NR, 6475) (ROHÁČOVÁ 2003a). The specimen was identified using the coloration and morphometric characters according to RINNE (1989).

***Polymerus (Poeciloscytus) unifasciatus (Fabricius, 1794)***

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 3.–23.vi.2008, Mt, 2 ♂♂, 23.vi.–16.vii.2008, Mt, 2 ♂♂, 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♀, 1.ix.2004, 6 ♂♂ 8 ♀♀, 28.v.2005, 2 ♂♂ 1 ♀, 28.vii.2005, 3 ♂♂ 6 ♀♀, 6.ix.2005, 1 ♂ 1 ♀, 16.vi.2006, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 8 ♂♂ 6 ♀♀ (3 ♂♂ 3 ♀♀ freshly hatched), I. Malenovský lgt., 12.vii.2006, 1 ♂ 5 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Pitín (72), 20.vii.1957, 1 ♂, Ondřej lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♂ 1 ♀, 2.ix.2004, 5 ♂♂ 1 ♀, I. Malenovský lgt., 4.ix.2005, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 2 ♀♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂ 1 ♀, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Korytná (115), 23.vii.1951, 3 ♂♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 10 ♂♂ 9 ♀♀, 23.v.2005, 6 ♂♂ 6 ♀♀, P. Kment lgt., 21.vii.2002, 11 ♂♂ 17 ♀♀, 10.ix.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Bánov, Skalky hill (125), 21.viii.1984, 4 ♂♂ 7 ♀♀, P. Raus & J. L. Stehlík lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, S slope (145), 2.vii.2001, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 3 ♀♀, P. Lauterer, L. Pospíšilová & J. L. Stehlík lgt., J. Bryja det. (*partim*) (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.vii.2000, 1 ♂, 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 2 ♂♂, P. Kment lgt., J. Bryja det., 16.viii.2000, 1 ♂ 9 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 2 ♂♂, 18.viii.2000, 2 ♀♀, P. Kment lgt., J. Bryja det. (NMPC). Suchové Mlýny, sheep pasture (226), 16.viii.2004, 7 ♂♂ 3 ♀♀, 27.vii.2005, 6 ♂♂ 1 ♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., J. Bryja det., 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC); 5.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 5 ♂♂ 8 ♀♀, P. Lauterer, J. Meduna & J. L. Stehlík lgt. (MMBC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, I. Malenovský lgt., 8.viii.2001, 1 ♂, P. Kment lgt., 24.v.2002, 1 ♀, 17.vii.2002, 1 ♂ 4 ♀♀, 7.ix.2002, 2 ♂♂ 4 ♀♀, 2.ix.2004, 2 ♂♂ 3 ♀♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. et det., 23.ix.2001, 1 ♀, P. Kment lgt., J. Bryja det.;

24.v.2002, 2 ♂♂, 23.vi.2004, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Výzkum hill (258), 10.vi.1982, 3 ♂♂ 6 ♀♀, P. Lauterer, J. Meduna & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** On *Galium*, especially *G. verum* and *G. mollugo*, in xerothermic, less frequently more humid, localities. A generally common species (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** The specimens examined were identified using the coloration, morphometric characters, and structure of the aedeagus according to RINNE (1989). Some small female specimens fitted to the size range of *P. lammesi* Rinne, 1989 (body length 4.55–4.88 mm); however, the examination of the male genitalia of the associated males revealed that the material invariably belonged to *P. unifasciatus*.

#### *Polymerus (Polymerus) holosericeus* Hahn, 1831

**Material examined.** Popov (71), 6.viii.1980, 1 ♂ 1 ♀ 1 L, J. L. Stehlík lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♀, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** On *Galium*. Euryecious, occurring in dry and warm, as well as humid and half-shaded habitats. Generally not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Mutěnice (70–7168) (STEHLÍK 1945a, HOBERLANDT 1947), the Poodří PLA: Košatka (6274), Studénka (6274), Oderský luh floodplain forest (6274) (BRYJA & KMENT 2001), Újezd u Brna (Špice, 6866), Uherčice (Hochberk, 7066), and Hustopeče u Brna (Přední kopaniny, 7066) (MALENOVSKÝ *et al.* 2011).

#### *Polymerus (Polymerus) nigrita* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Petrůvka, Kladenska brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR environs (118), 7.vii.1980, 1 samice, L. Pospíšilová lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Strání, Obecnice hill, S slope (146), 2.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 1 ♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 2 ♂♂, 22.vi.–15.vii.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill



(260), 28.v.–18.vi.2007, Mt, 3 ♂♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 4 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian. **Biology and habitat:** On *Galium* (*G. mollugo*, *G. palustre*, *G. verum*, *G. boreale*, *G. aparine*). Euryecious, in open dry as well as humid habitats. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from the Říčka river valley near Brno (6766), Brno-Bystrc (6765) (STEHLÍK 1945a), the Bobrava river valley (6864–65) (STEHLÍK 1948), on ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1990), the Poodří PLA: Košatka (6274) and Studénka (6274) (BRYJA & KMENT 2001), Rokytná (6963) (BRYJA *et al.* 2002), Rašovice (Rašovický zlom – Chobot, 6867), and Dolní Dubňany (Ve Žlebě, 6963) (MALENOVSKÝ *et al.* 2011).

### *Psallus (Apocremnus) montanus* Josifov, 1973

**Published records.** RIEGER & RABITSCH (2006): Horní Němčí (7170); Javorník (7171); HRADIL *et al.* (2008): Nedašov, Kaňoury NM (55); Bylnice, Bylnický potok brook, Na Tatrách [= Bylničky, Tarandové hill] (80); Horní Němčí, Drahy NR (117); Javorník, village (239); Strání, Záhumenice NM (266).

**Material examined.** Bylničky, Tarandové hill (80), 24.vi.1982, 5 ♀♀, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Eurosiberian (data deficient); North America (perhaps introduced). **Biology and habitat:** Zoophytophagous. On *Betula*, rarely on *Salix* and *Alnus* (WACHMANN *et al.* 2004, together with *P. betuleti*). **Red List status:** Not evaluated.

**Comments.** Previously largely confused with the similar species, *Psallus betuleti* (Fallén, 1826), and regarded merely as a subspecies of the latter, distributed only in the mountains of Bulgaria and the Alps. Its independent status, diagnostic characters and a worldwide distribution were discussed by RIEGER & RABITSCH (2006). The distribution of both *P. betuleti* and *P. montanus* in the Czech Republic was reviewed by HRADIL *et al.* (2008), *P. montanus* being the more common species.

### *Psallus (Hylopsallus) assimilis* Stichel, 1956

**Published record.** KMENT & BRYJA (2001): Malá Vrbka, Výzkum hill (210).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂, L. Pospíšilová lgt., 3 ♀♀, J. L. Stehlík lgt. (MMBC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined.** MORAVIA: Přebice (7065), 22.vi.1973, 1 ♂ 1 ♀, Z. Jindra lgt. (ZJPC). Valtice, Laděnská alej alley (7266, N 48°45'15" E 16°46'40"), 4.vi.2001, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European. **Biology and habitat:** On *Acer campestre* (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Probably a neglected species. First recorded from the Czech Republic by KMENT & BRYJA (2001) from Brno – Líšeň (Hornek, 6766), and Malá Vrbka in the Bílé

Karpaty Mts., with additional records published from Budkovice (6964) (BRYJA *et al.* 2002) and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Psallus (Hylopsallus) perrisi (Mulsant et Rey, 1852)***

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & BRYJA (2001): Valašské Klobouky, Dobšená NM (31).

**Material examined.** Brumov, Holý vrch hill (79), 14.vi.1971, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Svatý Štěpán, Chladný vrch NM (93), 24.v.–16.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♂, P. Lauterer lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.iv.–12.v.2009, Mt, 1 ♂, 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 4 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 2 ♂♂, J. L. Stehlík lgt. (MMBC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 4 ♂♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 6 ♂♂, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 25.v.–15.vi.2010, Mt, 1 ♂, 15.vi.–9.vii.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, though more frequent in its southern part. **General distribution:** European, extending to the Near East and Transcaucasia. **Biology and habitat:** On *Quercus* (especially *Q. robur*), rarely on other deciduous trees (e.g. *Crataegus*, *Acer*, and *Tilia*). Widespread, quite common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Previously largely confused with similar species. For Moravia first recorded by KMENT & BRYJA (2001), with additional records from the Čertoryje NNR (KMENT 2001) and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Psallus (Hylopsallus) variabilis (Fallén, 1807)***

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, Kladenska brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 3 ♂♂ 11 ♀♀, P. Lauterer lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 6 ♂♂ 10 ♀♀, P. Lauterer lgt. (MMBC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, SW slopes of Háj hill (238), 19.vi.1980, 1 ♀, P. Lauterer lgt. (MMBC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 10 ♂♂ 4 ♀♀, J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂ 1 ♀, L. Pospíšilová lgt., (MMBC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 11 ♂♂ 14 ♀♀, J. L. Stehlík lgt. (MMBC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, rare elsewhere. **General distribution:** West Eurosiberian, extending to Transcaucasia and Iran; introduced to North America. **Biology and habitat:** On *Quercus*, rarely on other trees (*Crataegus*, *Tilia*, *Acer*, *Alnus*, *Corylus*). Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Previously largely confused with similar species. Verified records from Moravia were reviewed by MALENOVSKÝ *et al.* (2011).

### *Psallus (Hylopsallus) wagneri* Ossiannilsson, 1953

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♂, J. L. Stehlík lgt. (MMBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂, P. Lauterer lgt., 1 ♂, J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 1 ♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 4 ♂♂, 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, rare elsewhere. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** On *Quercus* (especially *Q. robur*), rarely on *Crataegus*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** Previously largely confused with similar species. Verified records from Moravia were reviewed by MALENOVSKÝ *et al.* (2011).

### *Psallus (Mesopsallus) ambiguus* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt., J. Bryja det. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 4 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂ 1 ♀, P. Kment & M. Omesová lgt., J. Bryja det. (PKPC). Nedašov, Na Kopicích, brook (89), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 23.v.2002, 8 ♂♂, P. Kment lgt., J. Bryja det. (PKPC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Měsíční údolí valley (214), 2.vi.1979, 1 ♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., J. Bryja det. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♂♂ 3 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of

Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 3 ♂♂ 4 ♀♀, 28.v.–18.vi.2007, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** Zoophytophagous. On various deciduous trees, preferring Rosaceae (*Malus*, *Crataegus*, *Pyrus*, *Prunus spinosa*, *Sorbus aucuparia*), more rarely also on *Alnus*, *Salix*, *Betula*, *Quercus*, etc. In dry as well as humid habitats, tolerant of shade. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Psallus (Pityopsallus) lapponicus* (Fieber, 1861)

**Material examined.** Horní Němčí, Lesná hill (123), 24.vii.1980, 6 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 24.vi.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, not collected in the course of the recent survey. **General distribution:** European; USA (perhaps introduced). **Biology and habitat:** On *Larix*, less frequently on *Picea* and *Abies*. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** *Psallus lapponicus* was listed from Moravia by HOBERLANDT (1977b), but we did not succeed in tracing any earlier published record. BRYJA & KMENT (2001) recorded it from Jeseník nad Odrou (6373) as *P. cf. luridus* (for a correction, see KMENT *et al.* 2005: 181). Also known from the Polish side of the Gl. Schneeberg [= Mt. Králícký Sněžník] (5766–67) (POLENTZ 1944).

#### *Psallus (Pityopsallus) luridus* Reuter, 1878

**Material examined.** Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one site in the southern part of the area with a Malaise trap. **General distribution:** Eurosiberian. **Biology and habitat:** Mostly zoophagous. On *Larix*, occasionally found on *Picea*, preferring trees infested with aphids and scale insects. Preferring higher altitudes, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from several localities in northern and central regions: Homole [= Mt. Strážiště] (5667) in the Rychlebské hory Mts. (ŠTYS 1959), Kouty [nad Desnou] (5868), Chrástice (5867), Malé Štáhle (6070), and Smržice (6468) (STEHLÍK 1961).

#### *Psallus (Pityopsallus) vittatus* (Fieber, 1861)

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Larix decidua*, 19.vi.2000, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 24.vi.2000, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only at one site in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophytophagous. On *Larix decidua*. Quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Malé Štáhle (6070) (STEHLÍK 1961) and Jeseník nad Odrou (6373) (BRYJA & KMENT 2001).

#### ***Psallus (Psallus) albicinctus* (Kirschbaum, 1856)**

**Material examined.** Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** European. **Biology and habitat:** On *Quercus* in sunlit places. Widespread, rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known only from Větkovice (6273) and Sedlec (7266) (KMENT & BRYJA 2001).

#### ***Psallus (Psallus) asthenicus* Seidenstücker, 1966**

**Published record.** WYNIGER & KMENT (2006): Kněždub, Čertoryje NNR (202).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one site in the southern part of the area. **General distribution:** Ponto-Mediterranean (Asian part of Turkey, Greece, Bulgaria) (SEIDENSTÜCKER 1966, JOSIFOV 1974), extending to the Pannonicum. **Biology and habitat:** On *Quercus* (*Q. cerris*, *Q. pubescens*) (SEIDENSTÜCKER 1966, JOSIFOV 1974). **Red List status:** Not evaluated.

**Comments.** The single female from the Čertoryje NNR was collected together with *P. cruentatus* and identified based on a dissection of the female genitalia by D. Wyniger; this is the only record of *P. asthenicus* in central Europe (WYNIGER & KMENT 2006).

#### ***Psallus (Psallus) confusus* Rieger, 1981**

**Material examined.** Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 3 ♂♂ 2 ♀♀, P. Lauterer & J. L. Stehlik lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one site in the southern part of the area; not recorded in the course of the recent survey. **General distribution:** European. **Biology and habitat:** On *Quercus*. Widespread, rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** First recorded in Moravia from Ostrava-Poruba (6175), Loštice (6267), Kojetín (6669), and Klentnice (Tabulová hora NNR, 7165) by KMENT *et al.* (2003).

***Psallus (Psallus) cruentatus (Mulsant et Rey, 1852) (VU)***

**Published record.** KMENT & BRYJA (2001), KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♂, 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 1 ♂, 3.–22.vi.2009, Mt, 1 ♂, 22.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂, 28.v.–18.vi.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in a few sites in the southern part of the area. **General distribution:** North Mediterranean, extending to central Europe and Iran. **Biology and habitat:** On *Quercus*, especially *Q. pubescens*. Rare (KMENT & BRYJA 2001, WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** The species reaches its northernmost limit of distribution in southern Moravia (KMENT & BRYJA 2001). It has been recorded so far from Brno – Líšeň (Velká Klajdovka NM, 6766) (KMENT & BRYJA 2001), the Čertoryje NNR in the Bílé Karpaty Mts. (KMENT & BRYJA 2001, KMENT 2001), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Psallus (Psallus) falleni Reuter, 1883***

**Material examined.** Nedašov, Jalovcová stráň NR (54), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but rare, found only in two sites. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** On *Betula (B. pendula)*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Březník (6863) (STEHLÍK 1944) and Kozlovice (Rybníky NR, 6475) (ROHÁČOVÁ 2003a).

***Psallus (Psallus) flavellus Stichel, 1933***

**Material examined.** Bylničky, Tarandové hill (80), 24.vi.1982, 4 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread but rare, found only in two sites. **General distribution:** West Eurosiberian, extending to Maghreb and Transcaucasia; introduced to North America. **Biology and habitat:** On *Fraxinus excelsior*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded so far only from Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991) and the Poodří PLA (BRYJA & KMENT 2001).

***Psallus (Psallus) haematodes (Gmelin, 1790)***

**Material examined.** Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♂♂, P. Raus lgt. (MMBC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, on *Salix caprea*, 2 ♂♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 22.viii.–10.ix.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 22.vii.2000, on shrubs of *Salix*, 3 ♂♂, P. Kment lgt. (PKPC). Havraníky, Pustý kopec hill (7162), steppe and ruderal habitats, 23.vii.1969, 1 ♂, L. Pospíšilová lgt. (MMBC). Klentnice – Perná (7165), 9.viii.1962, 2 ♀♀, P. Lauterer lgt. (MMBC). Sedlec, Na Mušlově (7266), surroundings of the mill, swamp, 25.vii.1968, 1 ♀, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected in the central and southern parts of the area. **General distribution:** Eurosiberian; introduced to North America. **Biology and habitat:** On broad-leaved *Salix* (e.g. *S. caprea*, *S. aurita*, and *S. cinerea*), rarely also on narrow-leaved species (*S. viminalis*), in sunlit to shaded habitats, such as swamps and shores of waters, as well as drier sites. Common (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from the Hrubý Jeseník Mts. (STEHLÍK 1952, as *P. roseus*), Mt. Palaš (5765) in the Rychlebské hory Mts. (ŠTYS 1959, as *P. roseus*), and the Poodří PLA: Bernartice nad Odrou (6373), Odra – Malý les forest (6373) (BRYJA & KMENT 2001).

***Psallus (Psallus) lepidus Fieber, 1858***

**Material examined.** Bylničky, Tarandové hill (80), 24.vi.1982, 5 ♂♂, P. Lauterer lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 25.v.2000, 2 ♂♂, P. Kment & I. Malenovský lgt., J. Bryja det. (JBSC, PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), 24.vi.2000, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European, extending to Transcaucasia; introduced to North America. **Biology and habitat:** On *Fraxinus excelsior*. Widespread but quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia, there is a doubtful record from Štramberk (6474) by ROUBAL (1955) and reliable records from Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985, KŘÍSTEK 1991) and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Psallus (Psallus) mollis (Mulsant et Rey, 1852)***

**Published records.** KMENT & BRYJA (2001): Poteč, Ploščiny NR (42); Valašské Klobouky, Bílé potoky NR, meadow (48).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 16.vi.2006, 2 ♂♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý

vrch hill (79), 14.vi.1971, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 3 ♂♂ 3 ♀♀, L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 10 ♂♂, 2.–25.vi.2009, Mt, 6 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 4 ♂♂, 3.–22.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 2 ♂♂, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Eurosiberian, extending to Anatolia and Syria. **Biology and habitat:** On *Quercus* (WACHMANN *et al.* 2004). Not rare. **Red List status:** –.

**Comments.** Until recently, *P. mollis* has been a neglected species in the Czech fauna (BRYJA & KMENT 2001, KMENT & BRYJA 2001, BRYJA & KMENT 2006a).

### *Psallus (Psallus) salicis* (Herrich-Schaeffer, 1841)

**Material examined.** Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at a single site in the southern part of the area; not recorded in the course of the recent survey.

**General distribution:** Eurosiberian and Nearctic (USA, perhaps introduced). **Biology and habitat:** On *Alnus* (*A. glutinosa*, *A. incana*) and *Salix cinerea*. Widespread but rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Lešná (6473), Ocmanice (6762), Stálkov (6957) (BRYJA & KMENT 2002), and Krásná pod Lysou horou (Obidová NM, 6477) (ROHÁČOVÁ 2011).

### *Psallus (Psallus) varians varians* (Herrich-Schaeffer, 1841)

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Poteč, Ploščíny NR (42), 1.vi.2002, 15 ♂♂ 14 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Hrušovka brook (57), 10.vi.2005, 1 ♂, P. Chvojka lgt. (NMPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC). Sidonie, Sidonie NR (87), 25.v.–16.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 3.v.2002, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Horní Němčí, Horní kopec hill (119), on *Ulmus*, 23.v.2002, 1 ♂, I. Malenovský lgt., J. Bryja det. (PKPC). Strání, Důbrava [= Důbrava hill] (150), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 4 ♂♂, J. L. Stehlík lgt. (MMBC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 12.v.–3.vi.2009, Mt, 1 ♂, 3.–22.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Výzkum hill (258), 10.vi.1982, 7 ♂♂, J. L. Stehlík lgt. (MMBC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, 28.v.–18.vi.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 55 ♂♂, 23.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** European, extending to Anatolia and Iran. **Biology and habitat:**



Predominantly on *Quercus*, but also on many other deciduous trees (e.g. *Fagus*, *Salix*, *Betula*, *Sorbus*, *Corylus*, *Alnus*, and *Fraxinus*). Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### ***Pseudoloxops coccineus* (Meyer-Dür, 1843)**

**Material examined.** Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 13.vii.–10.viii.2010, Mt, 1 ♂, 10.viii.–7.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Ocmanice – Placký Dvůr (6762), 21.vii.1969, 1 ♂, J. L. Stehlik lgt. (MMBC). Rebešovice, Velké Drůždavy NM (6865), 225.5 m a.s.l., 24.vii.1978, 2 ♂♂ 5 ♀♀, 27.vii.1977, 6 ♂♂ 13 ♀♀ (1 couple in copula), 3 spec. (freshly hatched), J. L. Stehlik lgt. (MMBC). Starý Poddvorov (7167), xerothermic deciduous forest and steppe, 240–260 m a.s.l., 27.vi.1979, 1 ♀, J. L. Stehlik lgt. (MMBC). Uherský Brod, Tyršovy sady park (6971), 30.vi.2001, 1 ♀ (freshly hatched), P. Kment lgt. (PKPC). Klentnice, Kotelná [= Kotel hill] (7165), steppe and forest margin, 29.vi.1964, 1 ♂, L. Pospíšilová lgt. (MMBC). Mikulov, Svátý kopeček NR (7165), 2.viii.1962, 1 ♀, P. Lauterer lgt. (MMBC). Nejdeč, floodplain forest and meadows (7166), 162 m a.s.l., 20.vii.1977, 1 ♀, J. L. Stehlik lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap at one site in the southern part of the area. **General distribution:** European and Holomediterranean, introduced to North America. **Biology and habitat:** Mostly zoophagous. On fertile *Fraxinus excelsior* and *F. ornus* in humid and shaded floodplain forests as well as on solitary trees in dry sites. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Tršice (6470) (BLATNÝ *et al.* 1950).

#### ***Reuteria marqueti* Puton, 1875**

**Material examined.** Nedašov, Kaňoury NM (55), 16.viii.2006, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Petrůvka, Kladenska brook valley (64), 16.vii.–4.viii.2008, Mt, 1 ♀, 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), on *Corylus avellana*, 13.viii.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, village (206), on *Tilia* sp., 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Brno – Staré Brno, Rybářská ulice street (6865), alley of *Tilia cordata* at Letohrádek Mitrovských summer pavilion, 27.vi.2003, 8 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Charvátská Nová Ves, Boří les forest (7267), 170 m a.s.l., 15.viii.1983, 9 ♂♂ 22 ♀♀ 1 L, P. Lauterer lgt. (MMBC, PKPC); 180 m a.s.l., 16.viii.1995, 1 ♂, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area but rare. **General distribution:** North Mediterranean, extending to central Europe. **Biology and habitat:** Mostly zoophagous. On deciduous trees (especially *Quercus*, *Tilia* and *Ulmus*, rarely also on *Alnus*, *Fraxinus*, *Prunus*, *Carpinus*, *Corylus*, or *Rubus*). In warm habitats, such as south-exposed forest margins and hedges. Widespread, quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For Moravia previously recorded only by STEHLÍK (1961, as *R. irrorata*) from Brno (Žlutý kopec hill, 6865). In Bohemia known only from Praha (Stromovka, 5852) and Lhota – Dolní Břežany (6052) (HRADIL *et al.* 2002).

***Rhabdomiris striatellus striatellus* (Fabricius, 1794)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Svatý Štěpán, Nadřičí (94), 1 ♂, 21.v.1999, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Horní kopec hill (119), on *Ulmus*, 23.v.2002, 1 ♀, I. Malenovský lgt., J. Bryja det. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂, I. Malenovský lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 2 ♂♂, P. Kment lgt., J. Bryja det. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 8.v.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 23.v.2002, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** West Eurosiberian, extending to Iran and northern China. **Biology and habitat:** Zoophytophagous. On *Quercus* in closed forests as well as on solitary trees. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Salicarus (Salicarus) roseri* (Herrich-Schaeffer, 1838)**

**Material examined.** Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Bylnice, railway station environs (83), 1.vii.1999, 5 ♂♂, P. Kment & M. Omesová lgt., J. Bryja revid. (MHBC, PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 3 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Salix*, particularly *S. alba* and *S. purpurea*, more rarely on other species as well, e.g. *S. caprea*, *S. cinerea*, *S. fragilis*, and *S. elaeagnos*. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia known from Vladislav (6761–62) (STEHLÍK 1948, as *Sthenarus roseri*, f. *immaculata*) and Dolní Dubňany (Ve Žlebě, 6963) (MALENOVSKÝ *et al.* 2011).

***Stenodema (Brachystira) calcarata* (Fallén, 1807)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Luhačovice (11), 25.v.1969, 1 spec., Šustek lgt., J. Bryja det. (MZLU). Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀ (freshly hatched), P. Kment lgt. (PKPC); 13.v.–3.vi.2008, Mt, 1 ♂, 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂ 3 ♀♀, 16.vii.–4.viii.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Suchý vrch hill (24), 21.v.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 3 ♀♀, P. Kment & I. Malenovský lgt., 30.vi.1999, 2 ♂♂ 3 ♀♀, M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (MUBC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 3 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 1 ♂, P. Kment lgt., 2.vii.1999, 2 ♂♂, M. Horsák & P. Kment lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♂, 3.vii.1999, 2 ♂♂

True bugs (Hemiptera: Heteroptera)

1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 6 ♂♂ 1 ♀, 3.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 3 ♂♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 3 ♂♂, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt.; 11.ix.1999, 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Sidonie, Sidonie NR (87), 16.vi.–5.vii.2010, Mt, 1 ♂, 5.vii.–11.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, 28.v.2005, 1 ♀, 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂, L. Pospíšilová lgt. (MMBC). Suchov, Kazivec brook valley (116), 15.v.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Horní Němčí, Drahy NR (117), 21.vii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♂, P. Lauterer lgt. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♂♂, P. Raus lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 5 ♂♂ 2 ♀♀, P. Lauterer & L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, 11.–31.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂ 1 ♀, 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 1 ♀, 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 21.v.2005, 1 ♂ 1 ♀, 24.vii.2005, 2 ♂♂, P. Kment lgt., 3.ix.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 5.–26.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, 8.vii.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt., J. Bryja det. (PKPC). Kněždub, Čertoryje NNR (202), 28.vii.2001, 2 ♀♀, P. Kment lgt., 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 5.–25.v.2010, Mt, 1 ♂, 25.v.–15.vi.2010, Mt, 3 ♀♀, 15.vi.–14.vii.2010, Mt, 6 ♂♂ 9 ♀♀, 14.vii.–12.viii.2010, Mt, 7 ♂♂ 7 ♀♀, 12.viii.–9.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ 7 ♀♀, 25.v.2000, 1 ♀, 18.vi.2000, 10 ♂♂ 9 ♀♀, 27.vii.2000, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 3 ♂♂, 15.vii.–5.viii.2008, Mt, 8 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.ii.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, P. Kment lgt., J. Bryja det., 18.iv.2000, 2 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 3 ♂♂ 7 ♀♀, 19.vi.2000, 5 ♂♂ 3 ♀♀, I. Malenovský lgt., 10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, 25.vi.–15.vii.2009, Mt, 7 ♂♂ 11 ♀♀, 15.vii.–5.viii.2009, Mt, 3 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), on *Phragmites australis*, 6.v.2000, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 3 ♂♂, 25.vi.–15.vii.2009, Mt, 2 ♂♂ 1 ♀, 15.vii.–5.viii.2009, Mt, 4 ♂♂ 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 17.vii.2002, 4 ♂♂ 1 ♀, 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 4 ♂♂ 1 ♀, 22.vi.–15.vii.2009, Mt, 2 ♂♂, 15.vii.–4.viii.2009, Mt, 23 ♂♂ 4 ♀♀, 4.–24.viii.2009, Mt, 2 ♂♂ 4 ♀♀, 24.viii.–16.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC).

Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♂♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♂, 10.viii.–7.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt., J. Bryja det., 8.v.2000, 3 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC); 18.vi.–9.vii.2007, Mt, 3 ♂♂ 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 11 ♂ 3 ♀♀, 10.viii.–7.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 3 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 3 ♂♂, 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic. **Biology and habitat:** On Poaceae (*Agrostis tenuis*, *Alopecurus pratensis*, *Festuca*, *Molinia caerulea*), possibly also on Cyperaceae and Juncaceae. Hygrophilous, preferring humid to damp grassland (peat bogs, inundation zones, wet meadows, banks of bodies of water, etc.), rarely also in dry habitats. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Stenodema (Stenodema) holsata* (Fabricius, 1787)

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 4 ♀♀, P. Kment & I. Malenovský lgt., J. Bryja det., 13.ix.1999, 4 ♂♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♂ 4 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Nedašov, Pod Cigánem NM (91), 6.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 2 ♂♂ 4 ♀♀, L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt., 3.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 21.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, 24.vii.2005, 3 ♂♂ 6 ♀♀, P. Kment lgt., 3.ix.2005, 5 ♀♀, I. Malenovský lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 3 ♂♂, P. Kment lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the northern part of the area, confined to higher altitudes in the central and southern parts. **General distribution:** Eurosiberian. **Biology and habitat:** On Poaceae (*Phleum*, *Molinia*, *Poa*, *Holcus*, *Calamagrostis*, *Deschampsia*, *Agrostis*, etc.) and Juncaceae (*Luzula*, *Juncus*) in humid meadows and forests, at medium and high altitudes. Common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Stenodema (Stenodema) laevigata* (Linnaeus, 1758)

**Published records.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC); 16.vii.–4.viii.2008, Mt, 1 ♀, 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské

True bugs (Hemiptera: Heteroptera)

Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 3 ♀♀, I. Malenovský & T. Vymyslický lgt., 1.vi.2002, 1 ♀, I. Malenovský lgt., 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Brumov, Uhlíčky (44) and Kloboucká street (76), 8.v.2004, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 4 ♀♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 1.ix.2004, 4 ♂♂ 6 ♀♀, 5.x.2004, 1 ♀, 28.v.2005, 12 ♀♀, 28.vii.2005, 3 ♂♂ 7 ♀♀, I. Malenovský lgt., 16.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀ 1 L, L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenka brook valley (64), 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Hostětín (70), 10.viii.1970, 1 ♀ 1 L, L. Pospíšilová lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, L. Pospíšilová lgt. (MMBC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 2 ♂♂ 1 ♀, 5.x.2004, 1 ♂, 28.v.2005, 1 ♀, 28.vii.2005, 2 ♂♂ (1 ♂ freshly hatched), I. Malenovský lgt. (PKPC). Svatý Štěpán, Nadřičí (94), 21.v.1999, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 15.v.1998, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det. (PKPC). Horní Němčí, Drahy NR (117), 21.vii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♀, P. Lauterer lgt. (MMBC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 2 ♀♀, P. Kment lgt., J. Bryja det. (MHBC, PKPC). Strání, Obecnice hill, at transmission tower (144), 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, P. Lauterer lgt., 2 ♀♀ L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♀, L. Pospíšilová lgt. (MMBC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 4 ♂♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov (173), 23.vii.1951, 1 ♂, J. L. Stehlík lgt. (MMBC). Vyškovec, Pod Hřibovnou NM (176), 28.vi.2004, 1 ♀, I. Malenovský lgt., 21.v.2005, 1 ♀, 24.vii.2005, 1 ♂ 6 ♀♀, P. Kment lgt., 3.ix.2005, 3 ♂♂ 8 ♀♀, I. Malenovský lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 22.v.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Vyškovecské Bošačky, cattle pasture (179), 24.vii.2005, 4 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Vyškovecské Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♀, I. Malenovský lgt., 19.viii.2004, 2 ♂♂ 2 ♀♀, P. Kment lgt., 21.v.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♀♀, L. Pospíšilová lgt., 2 ♀♀, J. L. Stehlík lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♀, 8.vii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ 3 ♀♀, I. Malenovský lgt., 25.v.2000, 4 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 2 ♂♂ 3 ♀♀, 27.vii.2000, 1 ♀, I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt., 2.v.2001, 1 ♂ 2 ♀♀, 28.vii.2001, 6 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 18.v.2002, 1 ♀, 27.vi.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♀, 24.ix.–28.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♀, P. Kment lgt., J. Bryja det., 9.–10.ix.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 27.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♀, 26.v.2005, 1 ♀, 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♀,

I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 3 ♀♀, I. Malenovský lgt., 18.viii.2000, 4 ♂♂ 12 ♀♀, P. Kment lgt., 10.ix.2000, 1 ♀, 3.v.2001, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 23.ix.2001, 1 ♀, P. Kment lgt., 17.vii.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 2 ♂♂, 15.vii.–4.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 3 ♀♀, 12.v.–3.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂ 1 ♀, P. Kment lgt., J. Bryja det., 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 24.v.2001, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 1 ♂, 23.v.2002, 4 ♀♀, P. Kment lgt. (PKPC); 9.vii.–12.viii.2010, Mt, 1 ♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holopalaearctic. **Biology and habitat:** On Poaceae (e.g. *Alopecurus*, *Dactylis*, *Festuca*, *Holcus*, *Agrostis*, *Deschampsia*, *Triticum*, *Secale*). Euryecious, inhabiting various types of grassland, open as well as half-shaded, including forest undergrowth, less frequently in humid places as well. Very common (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Stenodema (Stenodema) virens* (Linnaeus, 1767)

**Material examined.** Korytná (115), 23.vii.1951, 2 ♂♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On various Poaceae in slightly humid to dry grassland, as well as open forests. Widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia so far recorded only from Štramberk (Kotouč hill, 6474) (SPITZNER 1889, as *Miris virens* f. *flavus*; ROUBAL 1956), Prossnitz [= Prostějov] (6568), Freiberg [= Příbor] (6374), Frankstadt [= Nový Malín (6068) or Frenštát pod Radhoštěm (6475)] (SPITZNER 1892), the Hrubý Jeseník Mts. (STEHLÍK 1952), Dolní Lipová (5768) in the Rychlebské hory Mts. (ŠTYS 1959), the Polanská niva (6275) in the Poodří PLA (BRYJA & KMENT 2001), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

#### *Stenotus binotatus* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 4 ♂♂ 6 ♀♀, M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 3 ♂♂ 4 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♂♂ 3 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov,

True bugs (Hemiptera: Heteroptera)

Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 28.vii.2005, 1 ♂ 10 ♀♀, I. Malenovský lgt., 12.vii.2006, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenska brook valley (64), 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Slavičín (69), 10.vii.1989, 5 ♀♀, I. Vavřínová lgt. (MMBC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 5 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♂♂ 1 ♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 2 ♂♂ 2 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 2 ♀♀, 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Korytná (115), 23.vii.1951, 8 ♂♂ 52 ♀♀, J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR env. (118), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Horní Němčí, Lesná hill (123), 23.vii.1951, 1 ♂ 18 ♀♀, 24.vii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♀, 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Výškovec, Pod Hribovňou NM (176), 28.vi.2004, 1 ♂ (freshly hatched), I. Malenovský lgt., 24.vii.2005, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Výškovcecké Bošačky, cattle pasture (179), 27.vi.2004, 4 ♂♂ 2 ♀♀ (2 ♂♂ 2 ♀♀ freshly hatched), I. Malenovský lgt., 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Výškovcecké Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂ 5 ♀♀, 26.vi.–14.vii.2008, Mt, 6 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 1 ♀, L. Pospíšilová lgt., 3 ♂♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 3 ♂♂ 2 ♀♀, P. Kment lgt., 27.vi.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, 14.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 25.vi.2010, 1 ♂, J. Ch. Vávra lgt. (OMOC); 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 1 ♂, 15.vii.–5.viii.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 3 ♂♂, 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevečí NNR (232), 19.vi.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC); 2.–25.vi.2009, Mt, 1 ♂, 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevečí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 2 ♂♂, 25.vi.–15.vii.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 4 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 11 ♂♂ 16 ♀♀, P. Kment lgt., 23.vi.2004, 8 ♂♂ 12 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 3 ♂♂ 2 ♀♀, P. Kment lgt., J. Bryja det. (MHBC, PKPC); 28.v.–18.vi.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 2 ♂♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 2 ♀♀, 18.vi.–9.vii.2007, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 2 ♂♂ 6 ♀♀, 20.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, introduced to North America, Hawaii and New Zealand. **Biology and habitat:** On Poaceae. Euryecious but preferring humid and half-shaded habitats, less frequently in open, drier sites as well. Common (WACHMANN *et al.* 2004). **Red List status:** –.

***Sthenarus rotermundi* (Scholz, 1847)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Kněždub, Kněždubský háj forest (197), on *Populus alba*, 17.vi.2000, 1 ♂ 3 ♀♀, 22.vi.2001, 1 ♀, P. Kment lgt. (MHBC, PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in the southern part of the area. **General distribution:** West Eurosiberian, extending to Transcaucasia and Iran; introduced to North America. **Biology and habitat:** Zoophytophagous. On *Populus alba* and *P. canescens*. In humid (e.g. floodplain forests) as well as drier habitats. Generally widespread, not rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from Brno ([Kníničská] přehrada dam, 6765) (STEHLÍK & HOBERLANDT 1954) and Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK & DOBŠÍK 1985).

***Strongylocoris leucocephalus* (Linnaeus, 1758)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 13.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 1.vi.2002, 4 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♂, 16.vi.2006, 2 ♂♂, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 3 ♀♀, I. Malenovský lgt. (PKPC). Popov (71), 6.viii.1980, 1 ♂, J. L. Stehlík lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Korytná (115), 23.vii.1951, 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Výskovecké Bošačky, meadow and orchard (180), 21.v.2005, 1 L, I. Malenovský lgt., 24.vii.2005, 2 ♂♂, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂ 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, 29.v.–19.vi.2007, Mt, 8 ♂♂ 1 ♀, 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, 4.–26.vi.2008, Mt, 3 ♂♂ 1 ♀, 26.vi.–14.vii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), U Pomníčku, 27.vi.2002, 1 ♂, I. Malenovský lgt., 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♀, 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀, I. Malenovský & M. Omesová lgt., J. Bryja det., 6.v.2000, 2 ♂♂ 1 ♀, 19.vi.2000, 1 ♂, I. Malenovský lgt., 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 4 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀, P. Kment lgt., J. Bryja det. (PKPC); 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area; a characteristic species of species-rich meadow communities. **General distribution:** Holopalaeartic. **Biology and habitat:** On *Campanula* (*C. rotundifolia*, *C.*



*rapunculoides*) but also other plants (*Galium*, *Helianthemum*, *Lotus*, *Trifolium*) in open to half-shaded, xerothermic habitats with rich herbaceous vegetation. Not rare (WACHMANN *et al.* 2004). **Red List status:** –.

***Strongylocoris niger* (Herrich-Schaeffer, 1835) (VU)**

**Material examined.** Kněždub, Čertoryje NNR (202), U Pomníčku, 27.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at two localities in the southern part of the area. **General distribution:** West Eurosiberian, extending to the Near East and Iran. **Biology and habitat:** On Apiaceae (*Meum athamanthicum*, *Peucedanum oreoselinum*, *P. palustre*) in open, mesic to humid habitats (WACHMANN *et al.* 2004). **Red List status:** Vulnerable.

**Comments.** Rare in Moravia, previously known from only five localities (MALENOVSKÝ *et al.* 2011).

***Systemonotus triguttatus* (Linnaeus, 1767)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Vyškovské Bošacky, cattle pasture (179), 27.vi.2004, 2 ♂♂ (ma), I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂ (ma), 26.v.2005, 1 ♀ (br), 27.vii.2005, 3 ♂♂ (ma), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, SW slopes of Háj hill (238), 19.vi.1980, 1 ♂ (ma), P. Lauterer lgt. (MMBC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ (ma), J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare. Found in several xerothermic sites in the central and southern parts of the area, with an affinity to pastures. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** Zoophytophagous. Epigeic, often occurring associated with ants of the genus *Lasius* in dry, open places within various habitats, such as xerothermic sites on sand or limestone, heathland and ruderal sites, as well as fens (WACHMANN *et al.* 2004). Rarely collected. **Red List status:** –.

**Comments.** Previous records from Moravia were summarized by MALENOVSKÝ *et al.* (2011). There is one additional overlooked record (Nové Vilémovice, 5667) by ŠTYS (1959).

***Teratocoris antennatus* (Boheman, 1852) (NT)**

**Material examined.** Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC).

**Additional material examined. BOHEMIA:** Lysá nad Labem, Hrabanovská černava NNR, pool on the west margin of the reserve (5754, N 50°12'50.47" E 14°49'38.10"), 2.vi.2000, 1 ♀, P. Kment lgt. (PKPC). **MORAVIA:** Březejc, Pod Sopouškem [= U Studně] pond (6662, N 49°20'36.45" E 16°05'49.76"), tufts of *Carex* sticking from water, 5.vii.1999, 2 ♂♂, P. Kment lgt. (PKPC). Brno – Chrlice (6865), abandoned field, sweeping of *Bolboschoenus maritimus*, 23.vi.1999, 1 ♀, I. Malenovský lgt. (PKPC). Dolní Věstonice, towards Pouzdřany (7165), Caricetum in open swamps, 168 m a.s.l., 28.x.1978, 1 ♀ (freshly hatched), P. Lauterer lgt.

(MMBC). Hrabětice, Trávní Dvůr (7264, N 48°47'19.8" E 16°25'41.0"), wetland meadows, 14.v.2011, numerous adults and few larvae on *Bolboschoenus maritimus*, P. Kment lgt. et observ. (1 ♂ 4 ♀♀ in NMPC). Sedlec, Slanisko u Nesytu NNR (7266), salt marsh, 21.viii.1986, 1 ♂ 34 ♀♀ (MMBC, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found at only one locality in the northern part of the territory. **General distribution:** Eurosiberian, extending to Maghreb, and Central Asiatic. **Biology and habitat:** On *Phragmites australis*, *Phalaris arundinacea*, and also on *Glyceria*, *Scirpus*, *Juncus*, and *Carex* species (WACHMANN *et al.* 2004). We observed adults sucking on *Bolboschoenus maritimus* in a salt meadow in Trávní Dvůr (P. Kment, pers. observ.). In dense reed and sedge stands on shores of waters, in salt marshes, and swamps. Widespread, but quite rare (WACHMANN *et al.* 2004). **Red List status:** Near-threatened.

**Comments.** In Moravia recorded so far only from Dolní Věstonice (7165) (STEHLÍK 1961) and the Poodří PLA (Oderský luh floodplain forest, 6274) (BRYJA & KMENT 2001).

#### *Tinicephalus (Tinicephalus) hortulanus* (Meyer-Dür, 1843)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Kaňoury NM (55), 17.vi.2006, 4 ♂♂ 3 ♀♀ (1 ♂ 3 ♀♀ freshly hatched), I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂, J. L. Stehlik lgt. (MMBC). Kněždub, Čertoryje NNR (202), 19.vi.1980, 1 ♂ 1 ♀, P. Lauterer lgt. (MMBC); 18.v.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, SW slopes of Háj hill (238), 19.vi.1980, 2 ♂♂ 1 ♀, P. Lauterer lgt. (MMBC). Nová Lhota, Fojtické Mlýny (245), 7.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂ 1 ♀, P. Lauterer & J. L. Stehlik lgt. (MMBC). Javorník, Výzkum hill (258), 10.vi.1982, 3 ♂♂ 3 ♀♀, P. Lauterer & J. L. Stehlik lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but confined to xerothermic grassland sites and quite rare. **General distribution:** North Mediterranean, extending to western and central Europe, Maghreb and Transcaucasia. **Biology and habitat:** On *Helianthemum nummularium*. In sunlit, dry habitats, often on limestone. Generally quite rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded from Štramberk (Kotouč hill, 6474) (ROUBAL 1956), Vladislav (6761–62) (STEHLÍK 1971, as *T. brevipes*), and the Čertoryje NNR (KMENT 2001).

#### *Trigonotylus caelestialium* (Kirkaldy, 1902)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., J. Bryja det., 1.vi.2002, 3 ♂♂ 6 ♀♀, I. Malenovský lgt., 24.viii.2002, 3 ♂♂ 1 ♀, 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 13 ♂♂ 13 ♀♀, I. Malenovský lgt., 28.vii.2005, 11 ♂♂ 1 ♀, 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 1 ♀, I. Malenovský lgt., 16.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov,

True bugs (Hemiptera: Heteroptera)

Kaňoury NM (55), 16.viii.2006, 5 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Popov (71), 6.viii.1980, 1 ♀, J. L. Stehlík lgt. (MMBC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt.; 11.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Výmyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 4 ♀♀, 28.vii.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Hluk, Babi hora NM (102), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 4 ♂♂ 5 ♀♀, P. Baňář lgt. et det. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ 3 ♀♀, J. L. Stehlík lgt. (MMBC). Korytná, Březi (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀, P. Kment lgt., 21.vii.2002, 50 ♂♂ 31 ♀♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 3 ♂♂ 3 ♀♀, P. Lauterer & P. Raus lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♂, P. Lauterer lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 9.viii.2001, 4 ♂♂ 5 ♀♀, P. Kment lgt., 23.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., 20.vii.2002, 24 ♂♂ 16 ♀♀, 12.ix.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Lopeník, U Zvonice NM (155), 24.vii.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt., 3.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 5 ♂♂ 5 ♀♀, P. Kment lgt., 25.ix.2004, 1 ♀, 24.vii.2005, 1 ♂, I. Malenovský lgt., 3.ix.2005, 2 ♀♀, P. Kment lgt. (PKPC). Lopeník, Mikulčin vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♀, 31.vii.–21.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ 2 ♀♀, 8.viii.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 3 ♀♀, 8.viii.2007, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 24.vii.2005, 1 ♂ 1 ♀, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 24.vii.2005, 3 ♂♂ 2 ♀♀, P. Kment lgt., 3.ix.2005, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 19.viii.2004, 5 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 5 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 28.vii.2001, 1 ♂ 2 ♀♀, 20.ix.2001, 1 ♂ 1 ♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt., 17.viii.2002, 1 ♂ 5 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 27 ♂♂ 34 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♀, I. Malenovský lgt., 8.vii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., 27.vii.2000, 53 ♂♂ 23 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 4 ♂♂, 16.viii.2000, 9 ♂♂ 13 ♀♀, P. Kment lgt., 28.vii.2001, 37 ♂♂ 29 ♀♀, I. Malenovský lgt., 20.ix.2001, 11 ♂♂ 14 ♀♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt., 17.viii.2002, 10 ♂♂ 16 ♀♀, 4.x.2002, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂ 2 ♀♀, 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village, Velička river above the weir (224), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♀, 15.vii.–6.viii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 7 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 16.viii.2004, 21 ♂♂ 5 ♀♀, P. Kment lgt., 1.x.2004, 1 ♀, 1.ix.2005, 10 ♂♂ 15 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 13 ♂♂ 14 ♀♀, P. Kment lgt., 27.vii.2005, 3 ♂♂ 3 ♀♀, 1.ix.2005, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 4 ♂♂ 5 ♀♀, 1.ix.2005, 4 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, 5.–24.viii.2009, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 3 ♂♂ 1 ♀, 23.ix.2001, 2 ♂♂, P. Kment lgt., 17.vii.2002, 56 ♂♂ 68 ♀♀, 7.ix.2002, 1 ♀, 2.ix.2004, 32 ♂♂ 20 ♀♀, 1.x.2004, 2 ♂♂, 27.vii.2005, 1 ♂ 2 ♀♀, 1.ix.2005, 9 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 8.viii.2001, 4 ♂♂ 3 ♀♀, P. Kment lgt., 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt., 17.vii.2002, 31 ♂♂ 15 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 22.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 3 ♂♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt., 10.viii.–7.ix.2010,

Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♀, P. Kment lgt., 23.v.2002, 1 ♀, 20.vii.2002, 10 ♂♂ 9 ♀♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 15 ♂♂ 7 ♀♀, P. Kment lgt., 21.ix.2001, 2 ♂♂ 3 ♀♀, I. Malenovský lgt., 23.v.2002, 1 ♂ 1 ♀, P. Kment lgt., 20.vii.2002, 92 ♂♂ 42 ♀♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♀, 15.vii.–6.viii.2009, Mt, 3 ♂♂ 4 ♀♀, 6.–24.viii.2009, Mt, 1 ♂, 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (except North Africa). **Biology and habitat:** On Poaceae (*Festuca rubra*, *Corynephorus canescens*, *Lolium perenne*). Euryecious, in a variety of open and half-shaded habitats, from xerothermic (e.g. dunes) to humid (e.g. peat bogs) sites, also present in frequently cut lawns in cities. A very common species in general (WACHMANN *et al.* 2004). **Red List status:** –.

#### *Tuponia (Chlorotuponia) hippophaes* (Fieber, 1861)

**Published records.** BRYJA & KMENT (2002): Slavkov, village (103); Velká nad Veličkou, village (222).

**Distribution and frequency in the Bílé Karpaty PLA:** Found at only two sites in the southern part of the area, confined to ornamental plants and probably undersampled. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** On *Tamarix* and *Myricaria germanica* (WACHMANN *et al.* 2004). An alien species in the Czech Republic, confined to introduced ornamental plants in towns and villages. Not rare (BRYJA & KMENT 2002, KMENT 2006, HRADIL *et al.* 2008). **Red List status:** –.

#### *Tuponia (Tuponia) elegans* (Jakovlev, 1867)

**Published record.** BRYJA & KMENT (2002): Velká nad Veličkou, in the village (222).

**Distribution and frequency in the Bílé Karpaty PLA:** Found at only one site in the southern part of the area, confined to ornamental plants and probably undersampled. **General distribution:** Ponto-Mediterranean (expanding in central Europe) and Central Asiatic. **Biology and habitat:** On *Tamarix* (WACHMANN *et al.* 2004). An alien species in the Czech Republic, confined to introduced ornamental plants in towns and villages. More thermophilous than *T. hippophaes*; not rare (BRYJA & KMENT 2002, KMENT 2006, HRADIL *et al.* 2008). **Red List status:** –.

#### *Tythus pygmaeus* (Zetterstedt, 1838)

(EN)

**Material examined.** Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazeví NNR (232), 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazeví NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 3 ♂♂ 1 ♀, 15.vii.–6.viii.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

#### True bugs (Hemiptera: Heteroptera)

**Additional material examined. MORAVIA:** Čtyři Dvory near Prosetín (6464), 3.vii.1982, on *Carex riparia*, 1 ♂, P. Lauterer lgt. (MMBC). Benešov, part Pavlov (6466), peatbog, 643–660 m a.s.l., 12.x.1978, 1 ♀, P. Lauterer lgt. (MMBC). Netín, SW margin of Vrkoč pond (6661), peatbog with *Carex* stands, 518 a.s.l., 22.viii.1978, 2 ♂♂, P. Lauterer lgt. (MMBC). Závist, margin of Netínský rybník pond (6661), *Carex* and *Glyceria* stands, 516 m a.s.l., 22.viii.1978, 2 ♂♂ 1 ♀, P. Lauterer & L. Pospíšilová lgt. (MMBC). Kamenice, brook bellow Janův vršek hill (6759), slopes along the brook, 530–540 m a.s.l., 9.vii.1981, 3 ♂♂, L. Pospíšilová lgt. (MMBC). Vladislav, Mlýnský potok valley (6761), wetland vegetation around a pond, 400–425 m a.s.l., 3.vii.1981, 1 ♀, J. L. Stehlík lgt. (MMBC). Lažánky, at brooklet (6764), along the brooklet, 360–390 m a.s.l., 27.vi.1983, 2 ♀♀, P. Lauterer lgt. (MMBC). Březina – Vysoká (6766), 492 m a.s.l., 25.vi.1983, 1 ♀, J. Meduna lgt. (MMBC). Horní Bolíkov, Kobrnatky peatbog (300 m SW of the village) (6857), 650 m a.s.l., 14.viii.1978, 2 ♀♀, L. Pospíšilová lgt. (MMBC). Olšany, 100 m above Pilka pond (6857), peaty meadow, 610 m a.s.l., 5.ix.1978, 1 ♂, L. Pospíšilová lgt. (MMBC). Lesonice, Štěpánský rybník pond (6860), 500–510 m a.s.l., 29.vi.1981, 2 ♂♂ 17 ♀♀, J. L. Stehlík lgt. (MMBC). Osvětimany (6969), steppe, forest clearings and margins, 279–290 m a.s.l., 6.vi.1983, 1 ♀, J. L. Stehlík lgt. (MMBC). Grešlové Mýto (7061), 400–420 m a.s.l., 28.vi.1976, 1 ♀, J. L. Stehlík lgt. (MMBC). Pouzdřany (7065), steppe 250–290 m a.s.l., 1.ix.1978, 1 ♂, P. Lauterer lgt. (MMBC). Vacenovice, south-eastern margin of the village (7069), sands, 24.vi.1974, 1 ♀, P. Lauterer lgt. (MMBC). Mušov, steppe above Duchna forest (7165), 180 m a.s.l., 18.vi.1973, 1 ♂, J. L. Stehlík lgt. (MMBC). Milovice, wet meadows at Dyje river (7166), stands of *Carex acutiformis* and *C. vulpina* with other herbs, 166 m a.s.l., 5.vi.1973, 2 ♂♂ 1 ♀ 1 spec., P. Lauterer lgt. (MMBC). Sedlec, Slanisko u Nesytu NNR (7266), floodplain forest, 25.ix.1999, 1 ♀, M. Horsák lgt. (PKPC). Charvátská Nová Ves, at Tři Grácie monument (7266), 170–180 m a.s.l., 1 ♂, Dočekalová lgt. (MMBC). Charvátská Nová Ves, Boří les forest (7267), forest margin, 184 m a.s.l., 1 ♂, P. Lauterer lgt. (MMBC).

**Distribution and frequency in the Bílé Karpáty PLA:** Widespread throughout the area; most specimens were collected with Malaise traps. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Epigeic, associated with *Juncus* and *Carex* species, rarely also with Poaceae. In humid to wet habitats with sedge stands (e.g. peat bogs and salt marshes), as well as humid to dry grassland (e.g. fallows and coastal dunes). Rare (WACHMANN *et al.* 2004). **Rare. Red List status:** Endangered.

**Comments.** In Moravia recorded only from Závada near Hlučín (6074–75) (ŠTYS 1961) and Otinoves – Odrůvky (65–6667) (STEHLÍK 1971).

#### Family MICROPHYSIDAE

##### *Loricula (Loricula) elegantula* (Baerensprung, 1858)

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Kůtky NR (217), 4.–26.vi.2008, Mt, 11 ♂♂, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 4 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 4 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 13 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 3 ♂♂, 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 8 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 3 ♂♂, 23.vi.–15.vii.2009, Mt, 21 ♂♂, 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although probably undersampled: all specimens (all macropterous males, except one brachypterous female) were collected with Malaise traps. **General distribution:** European. **Biology and habitat:** Zoophagous. On trunks of deciduous trees (e.g. *Acer*, *Platanus*, *Quercus*, *Fagus*, *Fraxinus*, *Prunus*, and *Pyrus*) and conifers (e.g. *Pinus*, *Abies*, *Picea*, and *Larix*) covered with lichens (*Parmelia*, *Cladonia*) or mosses. Widespread, but rarely collected (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia previously recorded only by KMENT *et al.* (2003) from Javorník (Račí údolí valley, 5667) in the Rychlebské hory Mts., Ostravice (6467), Brno-Kniničky (6765), Lednice (Horní les floodplain forest, 7166), and Lanžhot (at the confluence of the Morava and Dyje rivers, 7367).

### *Loricula (Loricula) pselaphiformis* Curtis, 1833

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 12.vi.2007, 1 ♀, O. Konvička lgt. (OKZC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevěčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 3 ♂♂, 2.–25.vi.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 12.v.–3.vi.2009, Mt, 1 ♂, 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 14 ♂♂, 23.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although probably undersampled; all specimens – males – were collected with Malaise traps. **General distribution:** Holarctic (West Eurosiberian and Canada). **Biology and habitat:** Zoophagous. On deciduous trees (*Salix*, *Populus*, *Fraxinus*), rarely conifers, especially in moist, shaded places, dwelling on trunks and branches covered with lichens, but also on fallen wood or stones covered with lichens. Widespread, but rare (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** In Moravia recorded only from the Rychlebské hory Mts.: Nové Vilémovice (5667) (ŠTYS 1959).

### *Loricula (Loricula) ruficeps* (Reuter, 1884)

(Fig. 7)

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected with a Malaise trap at only one locality in the northern part of the area. **General distribution:** European, extending to Transcaucasia and north-western Iran. **Biology and habitat:** Zoophagous. On trunks of deciduous trees (*Tilia*, *Quercus*, *Malus*, *Acer*) and conifers (*Pinus*, *Abies*, *Picea*) covered with lichens (*Parmelia*, *Hypogymnia*). Very rare, preferring mountain regions (WACHMANN *et al.* 2004). **Red List status:** –.

**Comments.** For the Czech Republic, only ROUBAL (1969) reported one immature female collected on *Tilia* sp. in Albeřice (52–5361) in the Krkonoše Mts. in Bohemia. We provide here the first record for Moravia.

***Loricula (Myrmedobia) exilis* (Fallén, 1807)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Poteč, Ploščíny NR (42), 1.vi.2002, sweeping, 19 ♂♂, I. Malenovský lgt., 17.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, sweeping, 14 ♂♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♂, J. Ch. Vávra lgt. (OMOC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Šilheřovice, Černý les forest (6075), *Fagetum*, polypore, 8.ix.2002, 1 ♀, M. Mantič lgt. (MMHC). Hlučín, Bobrovníky, rocks above Opavice river (6175), *Quercetum*, sifting of litter, 25.viii.2001, 2 ♀♀, M. Mantič lgt. (MMHC, PKPC). Hlučín, Bobrovníky, *Quercetum* above river (6175), sifting of moss on *Quercus*, 12.x.2001, 1 ♀, M. Mantič lgt. (MMHC). Hlučín, Vinná hora Mt. (6175), *Carpineto-Betuletum*, 20.x.2001, 1 ♀, M. Mantič lgt. (PKPC). Hukvaldy, deergame park (6375), moss at feet of the trees, 21.x.2001, 1 ♀, M. Mantič lgt. (MMHC). Skalice, Skalická Strážnice (6376), sifting of compost, 19.viii.2002, 1 ♀, M. Mantič lgt. (MMHC). Horní Dubenky, along the brook towards Nová Ves (6757), *Caricetum* on peatbog, wet and peaty meadows, 680–690 m a.s.l., 13.ix.1978, 1 ♀, P. Lauterer lgt. (MMBC). Brno – Kníničky (6765), 1977, 1 ♂, 1978, 1 ♂ 1 ♀, 1980, 1 ♂ 1 ♀, collector not indicated (Coll. Dobšík, MMBC). Milotice, Pisečný rybník NR (7068), 30.vii.2009, 1 ♀, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but probably undersampled. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Zoophagous. On conifers, often on acidic soils, also occurring in mosses and lichens on the ground. Males are often swept from grasses during the mating period. Widespread; seldom collected, but not rare (WACHMANN *et al.* 2004), sometimes being a dominant species in quantitative samples (DOBŠÍK & KRÍSTEK 1979, BRYJA & KULA 2000). **Red List status:** –.

**Comments.** In Moravia previously recorded only from the Oslava river valley near Gloriet (6862b) (STEHLÍK 1944, as *Myrmedobia tenella*), several localities in the Hrubý Jeseník Mts. (STEHLÍK 1952, as *Myrmedobia tenella*), and a spruce monoculture near Rájec (6167) (DOBŠÍK & KRÍSTEK 1979, as *Myrmedobia tenella*; 1982, as *Myrmedobia exilis*).

The genus *Myrmedobia* Baerensprung, 1857 was downgraded to a subgenus of *Loricula* Curtis, 1833 by POPOV (2004).

**Family NABIDAE**

***Himacerus (Aptus) mirmicoides* (O. Costa, 1834)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 3 ♀♀ (br), P. Kment lgt. (MUBC, PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 L., P. Kment & I. Malenovský lgt. (PKPC). Nedašov, village (51), 17.viii.2006, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 23.ix.–29.x.2008, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 L., O. Konvička lgt. (NMPC). Bylnice, railway station environs (83),

11.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Sidonie env. (88), 27.vi.1998, 1 ♀ (br), V. Vrabec & L. Vrabcová lgt. (VVKC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 1 L, I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 2 ♀♀ (br) 1 L5, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 1 ♂ 2 ♀♀ (br), 16.viii.2009, 4 ♂♂ 3 ♀♀ (br), P. Baňář lgt. et det. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀ (br), I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♀ (br), I. Malenovský & M. Omesová lgt. (PKPC). Korytná, valley N of Nové louky NM (140), 15.viii.1999, 1 ♂ (br), M. Horsák lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 L, 8.viii.2007, 1 ♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 L, P. Kment lgt. (PKPC). Vyškovecké Bošacky, cattle pasture (179), 27.vi.2004, 2 L2, 21.v.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Petrov (182), 24.v.1965, 1 ♂ (br), L. Pospíšilová lgt. (MMBC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♂♂ (br), P. Kment lgt. (PKPC); 30.viii.2005, *Quercetum pubescentis* and vineyards, 1 ♀ (br), M. Horsák lgt. (MHBC). Kněždub, Kněždubský háj forest (197), 20.ix.2001, 1 ♀ (br), M. Omesová lgt. (MUBC). Malá Vrbka, village (206), on *Tilia* sp., 16.viii.2000, 1 ♀ (br), P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ 1 ♀ (br), I. Malenovský lgt., 25.v.2000, 1 ♂ (br), P. Kment lgt., 18.vi.2000, 1 L2 2 L3 1 L4, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 L5, P. Kment lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 L5, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 L4, P. Kment lgt., 9.–10.ix.2000, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 L, I. Malenovský lgt., 18.viii.2000, 1 L5, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 2 ♂♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.viii.–18.ix.2003, pt, 1 ♀ (br), K. Resl lgt. (PKPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀ (br), I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 L5, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** European and Holomediteranean. **Biology and habitat:** Zoophagous. Euryecious, in xerothermic localities with low vegetation as well as humid sites with shrubs. Common (WACHMANN *et al.* 2006). **Red List status:** –.

### *Himacerus (Himacerus) apterus* (Fabricius, 1798)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 25.viii.–23.ix.2008, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploštiny NR (42), 17.viii.2006, 1 ♂ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 13.–16.viii.2007, ypt, 1 ♀ (br), J. Ježek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 L, P. Kment & I. Malenovský lgt. (PKPC); 13.–16.viii.2007, 1 ♀ (br), J. Ježek lgt. (NMPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 L5, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ (br), P. Kment lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 3 ♂♂ 1 ♀ (br), J. L. Stehlík & L. Pospíšilová lgt. (MMBC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 4 L3, 23.vi.–16.vii.2008, Mt, 5 L5, 16.vii.–4.viii.2008, Mt, 4 ♂♂ 2 ♀♀ (br), 4.–25.viii.2008, Mt, 8 ♂♂ 7 ♀♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ (br), 18.viii.2006, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Sidonie, Sidonie NR (87), 16.vi.–5.vii.2010, Mt, 1 L, P. Chvojka & J. Macek lgt. (NMPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 2 ♀♀ (br), L. Pospíšilová lgt. (MMBC). Boršice u Blatnice, Boršický potok brook valley (105), 16.viii.1984, 1 ♂ 2 ♀♀ (br), J. L. Stehlík lgt. (MMBC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ (br), J. L. Stehlík lgt. (MMBC). Komňa, Nový Dvůr (129), 21.viii.1984, 1 ♀ (br), J. L. Stehlík lgt. (MMBC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 24.vii.2005, 2 ♂♂ (br), P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♂ (br), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 L, 8.viii.2007, 1 ♀ (br), 22.ix.2007, 1 ♀ (br), P. Kment lgt.



#### True bugs (Hemiptera: Heteroptera)

(PKPC). Vyškovec, Pod Hřibovňou NM (176), 24.vii.2005, 1 ♂ (ma) 6 ♂♂ 5 ♀♀ (br), P. Kment lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 24.vii.2005, 8 ♂♂ 9 ♀♀ (br), P. Kment lgt. (PKPC). Vyškovské Bošačky, meadow and orchard (180), 24.vii.2005, 46 ♂♂ 33 ♀♀ (br), P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.viii.–24.ix.2008, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀ (br), 17.viii.2000, 1 ♂ (br), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 12.viii.–9.ix.2010, Mt, 1 ♀ (br), 9.ix.–22.x.2010, Mt, 1 ♀ (br), P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂ (br), I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♀ (br), P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♂ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 L4, P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♀ (br), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 L4, P. Kment lgt., 18.viii.2000, 2 ♀♀ (br), P. Kment lgt., 9.–10.ix.2000, 3 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 L, I. Malenovský lgt., 10.ix.2000, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 5.–24.viii.2009, Mt, 1 ♂ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♀ (br), 4.–24.viii.2009, Mt, 3 ♂♂ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 16.ix.–21.x.2009, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 12.viii.–9.ix.2010, Mt, 1 ♂ (br), P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, introduced to Canada. **Biology and habitat:** Zoophagous. Euryecious, adults and older larvae live on a range of trees and shrubs, young larval instars also dwell on herbaceous vegetation. Common (WACHMANN *et al.* 2006). **Red List status:** –.

#### *Himacerus (Stalia) boops* (Schiodte, 1870)

**Material examined.** Horní Němčí, Drahy NR (117), 22.v.–22.vi.2003, pt, 1 L5, K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a pitfall trap at one locality in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Euryecious, inhabiting a wide range of open habitats (e.g. wet meadows, pastures, dry heathland, xerothermic sites with sparse vegetation, and saltmarshes); epigeic, with a nocturnal activity (KMENT *et al.* 2003, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** Very rare in Moravia, so far known only from four localities (KMENT *et al.* 2003).

#### *Nabis (Dolichonabis) limbatus* Dahlbom, 1851

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♀♀ (mi, freshly hatched), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 2 ♂♂ 1 ♀ (mi, 1 ♀ freshly hatched), P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂ 1 ♀ (mi), I. Malenovský & T. Vymyslický lgt. (MHBC, PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♀ (mi), P. Kment lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂ (mi), M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999,

2 ♂♂ (mi), P. Kment & I. Malenovský lgt., 13.ix.1999, 1 ♀ (mi), I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 2 ♀♀ (mi), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♂ (mi), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 12.vii.2006, 1 ♀ (mi), P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ (mi), P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 2 ♂♂ (mi), 12.vii.2006, 3 ♀♀ (mi), P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♀♀ (mi), P. Kment lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♂ 4 ♀♀ (mi), J. L. Stehlík lgt. (MMBC). Hostětín (70), 10.viii.1970, 2 ♂♂ 4 ♀♀ (mi, 1 ♂ 1 ♀ in copula), L. Pospíšilová lgt. (MMBC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂ (mi), L. Pospíšilová lgt. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀ (mi), I. Malenovský & M. Omesová lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂ 1 ♀, J. L. Stehlík lgt. (MMBC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.vii.1998, 2 ♂♂ (mi), P. Kment lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♀, J. L. Stehlík lgt.; 24.vii.2005, spruce forest margin, 2 ♀♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ (mi), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀ (mi), P. Kment lgt. (PKPC). Výškovec, Pod Hribovou NM (176), 24.vii.2005, 1 ♂ 3 ♀♀ (mi), P. Kment lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♂♂ 1 ♀ (mi), L. Pospíšilová lgt. (MMBC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♀ (mi), P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 2 ♂♂ (mi), P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♂ (mi), P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♂ (mi), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 2 ♂♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀ (mi), I. Malenovský lgt., 18.viii.2000, 2 ♂♂ 4 ♀♀ (mi), P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♀ (mi), P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂ (mi), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 5.–24.viii.2009, Mt, 1 ♂ 1 ♀ (mi), 24.viii.–16.ix.2009, Mt, 1 ♀ (mi), 16.ix.–21.x.2009, Mt, 1 ♀ (mi), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, introduced to Canada. **Biology and habitat:** Zoophagous. Hygrophilous, found largely on vegetation in open to half-shaded humid habitats, forest clearings and along forest edges, more rarely in drier places. Common (WACHMANN *et al.* 2006). **Red List status:** –.

### *Nabis (Nabicula) flavomarginatus* (Scholz, 1847)

**Published records.** KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 3 ♂♂ 5 ♀♀ (br), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂ 1 ♀ (br, 1 ♀ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 2 ♂♂ 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 2 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 4.ix.2005, 1 ♂ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ (br) 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ 3 ♀♀ (ma) 2 ♂♂ 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (MHBC, PKPC); 16.viii.2006, 1 ♀ (ma), P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 1 ♀ (br), 12.vii.2006, 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀ (br), P. Kment lgt. (PKPC). Luhačovice, Luhačovická dolina valley (62), 6.viii.1980, 1 ♀ (ma) 1 ♂ 4 ♀♀ (br), J. L. Stehlík & L. Pospíšilová lgt. (MMBC). Slavičín (69), 10.vii.1989, 4 ♂♂ 3 ♀♀ (br), I. Vavřínová lgt. (MMBC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 1 ♂ 3 ♀♀

#### True bugs (Hemiptera: Heteroptera)

(br), L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀ (br), P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♀ (br), L. Pospíšilová lgt. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 5 ♂♂ (br), P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♀ (br), P. Kment lgt., 21.vii.2002, 4 ♂♂ 4 ♀♀ (br), I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 20.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♀ (br) (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂ 1 ♀ (br), 24.vii.2005, 3 ♂♂ 1 ♀ (br), I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀ (br), P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 31.vii.–21.viii.2007, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Výskovec, Pod Hřibovnou NM (176), 28.vi.2004, 4 ♂♂ 4 ♀♀ (br), I. Malenovský lgt., 24.vii.2005, 8 ♂♂ 9 ♀♀ (br), P. Kment lgt., 3.ix.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 3.ix.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Radějov, Holý vrch hill (189), 4.vii.1977, 2 ♀♀ (br), L. Pospíšilová lgt. (MMBC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 2 ♂♂ (br), I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♀ (ma), I. Malenovský lgt., 16.viii.2000, 1 ♀ (br), P. Kment lgt., 22.vi.2001, 3 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt., 28.vii.2001, 2 ♂♂ (br), 27.vi.2002, 8 ♂♂ 6 ♀♀ (br), I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂ (br), P. Kment & I. Malenovský lgt., 8.vii.2000, 1 ♀ (br), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 2 ♂♂ 5 ♀♀ (br), 19.vi.2000, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂ 1 ♀ (br), I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♂ (br) 1 ♀ (ma), I. Malenovský & M. Omesová lgt., 19.vi.2000, 3 ♂♂ (br) 1 ♀ (ma), I. Malenovský lgt., 18.viii.2000, 1 ♂ (br), P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 4 ♂♂ 1 ♀ (br), I. Malenovský lgt., 8.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 17.vii.2002, 1 ♂ 1 ♀ (br), I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♀ (br), P. Kment lgt., 17.vii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 6 ♂♂ 5 ♀♀ (br), L. Pospíšilová & J. L. Stehlík lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♂ (br), P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 3 ♂♂ (br) 2 ♀♀ (ma) 2 ♀♀ (br), P. Kment lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 1 ♂ 3 ♀♀ (br), 20.vii.2002, 1 ♂ 3 ♀♀ (br), I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt., 9.viii.2001, 2 ♂♂ 2 ♀♀ (br), P. Kment lgt., 20.vii.2002, 1 ♂ 3 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC); 23.vi.–15.vii.2009, Mt, 1 ♂ (br) 1 ♀ (ma), 15.vii.–6.viii.2009, Mt, 1 ♀ (ma), 6.–24.viii.2009, Mt, 1 ♂ 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Zoophagous. Hygrophilous, found largely on tall herbaceous vegetation in open to half-shaded humid habitats, especially wet and mesic meadows. Common (WACHMANN *et al.* 2006). **Red List status:** –.

#### *Nabis (Nabis) brevis* Scholz, 1847

**Published records.** HOBERLANDT (1944, misidentified as *Nabis rugosus* f. *ericetorum*): Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Suchý vrch hill (24), 21.v.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 4 ♂♂ 1 ♀, I. Malenovský lgt., 28.vii.2005, 1 ♂, 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhličky and Kloboucká street (44, 76),

8.v.2004, 1 ♀, P. Kment lgt. (PKPC). Nedašov, village (51), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 3.vii.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♀, P. Kment lgt., 30.vi.2004, 1 ♀, 1.ix.2004, 1 ♂ 5 ♀♀, 28.v.2005, 1 ♀, 16.vi.2006, 1 ♂, I. Malenovský lgt., 16.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♂, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 3 ♀♀, 2.ix.2004, 3 ♂♂ 3 ♀♀, 28.v.2005, 2 ♂♂, I. Malenovský lgt., 4.ix.2005, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylničky, Tarandové hill (80), 24.vi.1982, 1 ♂, P. Lauterer lgt. (MMBC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 6 ♂♂ 4 ♀♀, 5.x.2004, 1 ♀, 6.ix.2005, 6 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 2 ♂♂ 4 ♀♀, L. Pospíšilová lgt. (MMBC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 4 ♂♂ 5 ♀♀, 16.viii.2009, 3 ♀♀, P. Baňář lgt. et det. (MMBC). Louka, Hloží NR (106), 24.iv.1999, 1 ♂, M. Horský lgt. (PKPC). Horní Némčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♀, P. Lauterer lgt. (MMBC). Lopeník, U Zvonice NM (155), 21.v.2005, 1 ♂, I. Malenovský lgt., 25.ix.2004, 1 ♂, 1 ♀, 3.ix.2005, 5 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 20.v.–25.vi.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 2 ♂♂, P. Kment lgt., 3.ix.2005, 6 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Vyškovcecké Bošačky, cattle pasture (179), 25.ix.2004, 1 ♂ 1 ♀, P. Kment lgt., 3.ix.2005, 5 ♀♀, I. Malenovský lgt. (PKPC). Vyškovcecké Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♂, 25.ix.2004, 1 ♂, P. Kment lgt., 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Petrov (182), 24.v.1965, 1 ♂, L. Pospíšilová lgt. (MMBC). Petrov, Chorvátky (185), 19.viii.2002, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♀, P. Kment lgt., 27.vii.2000, 1 ♂, I. Malenovský lgt., 2.v.2001, 1 ♂, 20.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, 16.viii.2000, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♂, 27.vii.2005, 1 ♂, 1.ix.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevě NNR (232), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 6.v.2000, 3 ♀♀, 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 1 ♀, P. Kment lgt., 10.ix.2000, 2 ♂♂ 2 ♀♀, 3.v.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 7.ix.2002, 1 ♀, 2.ix.2004, 1 ♂ 2 ♀♀, 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 4 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 23.ix.2001, 3 ♂♂ 2 ♀♀, P. Kment lgt., 17.vii.2002, 1 ♂, 7.ix.2002, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 12.v.–3.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂ 1 ♀ (1 ♀ freshly hatched), P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Euryecious, in various open grassland habitats, humid as well as dry. Common (WACHMANN *et al.* 2006).

**Red List status:** —.

#### [*Nabis (Nabis) ericetorum* Scholtz, 1847]

**Published record.** HOBERLANDT (1944, as *Nabis rugosus* f. *ericetorum*): Javorník (7171).

**Comments.** An Atlantic species, extending into central Europe, inhabiting dry to humid heathland, associated with *Calluna* (WACHMANN *et al.* 2006). In Moravia known only from the Rychlebské hory Mts.: Ostružná (5868) (ŠTYS 1959). Collection specimens corresponding to the records by HOBERLANDT (1944, as *Nabis rugosus* f. *ericetorum*) were later revised (R. Remane 1955 revid., NMPC) and turned out to be misidentified: the specimen from Javorník in the Bílé Karpaty PLA belongs to *N. brevis*, a specimen from Bořetice (7067) to *N. rugosus*.

### *Nabis (Nabis) ferus* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♀, I. Malenovský lgt., 4.x.2002, 4 ♂♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 4.x.2002, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 2 ♀♀, 2.ix.2004, 1 ♀, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 16.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, rare elsewhere. **General distribution:** Eurosiberian and Central Asiatic.

**Biology and habitat:** Zoophagous. Euryecious, in various open to half-shaded grassland habitats, humid as well as moderately dry (WACHMANN *et al.* 2006). Less frequent than *N. pseudoferus*, although it may be a dominant species of *Nabis* s. str. in floodplain meadows, as demonstrated in the Poodří PLA in northern Moravia by BRYJA & KMENT (2001). **Red List status:** –.

### *Nabis (Nabis) pseudoferus pseudoferus* Remane, 1949

**Published records.** KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt., 14.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Poteč, Ploščíny NR (42), 24.viii.2002, 1 ♂ 1 ♀, 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 1 ♂ 3 ♀♀, I. Malenovský lgt., 28.vii.2005, 1 ♂ 1 ♀, 4.ix.2005, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Petruvka, Kladenka brook valley (64), 23.ix.–29.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Hostětín (70), 10.viii.1970, 1 ♂, L. Pospíšilová lgt. (MMBC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♀, 5.x.2004, 3 ♂♂, I. Malenovský lgt., 4.v.–3.vi.2005, pt, 1 ♂, K. Resl lgt., 28.vii.2005, 3 ♂♂, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 2 ♀♀, 5.x.2004, 3 ♂♂, 28.vii.2005, 2 ♂♂, 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Svatý Štěpán, Chladný vrch NM (93), 11.viii.–8.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Hluk, Kobyli hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt.

(PKPC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 13.viii.2001, 1 ♀, 21.ix.2001, 2 ♂♂, 23.v.2002, 1 ♀, P. Kment lgt., 21.vii.2002, 30 ♂♂ 5 ♀♀, 10.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt., 22.viii.–27.ix.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Horní Němčí, Vinohrádky (121), 21.ix.2001, 1 ♀, P. Kment lgt., 20.vii.2002, 3 ♂♂ 19 ♀♀, 10.ix.2002, 2 ♂♂ 4 ♀♀, I. Malenovský lgt., 22.viii.–27.ix.2003, pt, 1 ♂ 1 ♀, K. Resl lgt. (PKPC). Březová, Kaláblová NM (137), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 9.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Lopeník, U Zvonice NM (155), 25.ix.2004, 1 ♀, P. Kment lgt., 24.vii.2005, 1 ♀, I. Malenovský lgt., 3.ix.2005, 5 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♂, I. Malenovský, 26.vi.–26.vii.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Lopeník, Míkulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂ 1 ♀, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 3 ♀♀, 8.viii.2007, 1 ♂ 2 ♀♀, 22.ix.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Výskovec, Pod Hřibovňou NM (176), 21.v.2005, 1 ♂, 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 5 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂, 24.vii.2005, 2 ♂♂, P. Kment lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 21.v.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 3 ♂♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂, I. Malenovský lgt., 28.vii.2001, 1 ♀, 20.ix.2001, 1 ♀, P. Kment lgt., 27.vi.2002, 4 ♂♂ 4 ♀♀, I. Malenovský lgt., 4.x.2002, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 16.xi.1999–4.iii.2000, pt, 4 ♂♂, 4.iii.–8.iv.2000, pt, 3 ♂♂ 1 ♀, 8.iv.–5.v.2000, pt, 2 ♂♂, P. Bezděčka lgt., 5.v.2000, 3 ♂♂ 3 ♀♀, I. Malenovský lgt., 25.v.2000, 2 ♂♂ 7 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♀, I. Malenovský lgt., 4.viii.2000, 1 ♂, 16.viii.2000, 3 ♂♂, P. Kment lgt., 1.x.2000, 2 ♂♂ 1 ♀, 22.x.2000, 3 ♂♂, 2.v.2001, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 22.vi.2001, 1 ♀, I. Malenovský lgt., 28.vii.2001, 5 ♂♂ 6 ♀♀, P. Kment & I. Malenovský lgt., 20.ix.2001, 1 ♂ 1 ♀, P. Kment lgt., 18.v.2002, 3 ♂♂ 2 ♀♀, I. Malenovský lgt., 17.viii.2002, 1 ♀, 4.x.2002, 8 ♂♂ 9 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 3 ♂♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂ 1 ♀, M. Omesová lgt. (MUBC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), on *Juniperus sabina*, 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, P. Kment lgt., 18.iv.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♂ (freshly hatched), P. Kment lgt., 24.vii.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 18.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 1 ♀, 1.x.2004, 2 ♂♂, 27.vii.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt., 3.iv.–6.v.2005, pt, 1 ♀, 4.vi.–4.vii.2005, pt, 1 ♀, K. Resl lgt., 27.vii.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt., 4.vii.–6.viii.2005, pt, 1 ♀, 6.viii.–8.ix.2005, pt, 1 ♂, K. Resl lgt., 1.ix.2005, 1 ♀, I. Malenovský lgt., 8.ix.–7.x.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂ 1 ♀, P. Kment lgt., 27.vii.2005, 1 ♂ 1 ♀, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♂ 2 ♀♀, 1.ix.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 6.v.2000, 1 ♂, 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 5 ♂♂ 4 ♀♀, P. Kment lgt., 10.ix.2000, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., 8.viii.2001, 1 ♂, 23.ix.2001, 1 ♂, P. Kment lgt., 17.vii.2002, 7 ♂♂ 14 ♀♀, 7.ix.2002, 44 ♂♂ 40 ♀♀, I. Malenovský lgt., 17.viii.–18.ix.2003, pt, 1 ♂, K. Resl lgt., 2.ix.2004, 2 ♂♂ 2 ♀♀, 1.x.2004, 1 ♀, 26.v.2005, 1 ♀, 27.vii.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 23.ix.2001, 7 ♂♂ 13 ♀♀, P. Kment lgt., 17.vii.2002, 5 ♂♂ 3 ♀♀, 7.ix.2002, 5 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♀, 2.–22.viii.2007, Mt, 1 ♀, 22.viii.–10.ix.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

True bugs (Hemiptera: Heteroptera)

Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♀, P. Kment lgt., 21.ix.2001, 6 ♂♂ 3 ♀♀, 23.v.2002, 2 ♀♀, 20.vii.2002, 2 ♀♀, 12.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 2 ♀♀, P. Kment lgt., 21.ix.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt., 23.v.2002, 1 ♀, P. Kment lgt., 20.vii.2002, 3 ♂♂ 1 ♀, 12.ix.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** European, extending to Anatolia and Transcaucasia. **Biology and habitat:** Zoophagous. Euryecious, in various open to half-shaded grassland habitats, including ruderal sites, but generally preferring drier sites than *N. ferus*. Very common (WACHMANN *et al.* 2006). **Red List status:** –.

*Nabis (Nabis) punctatus punctatus* A. Costa, 1847

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Némčí, Drahy NR (117), 10.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Némčí, Vinohrádky (121), 20.vii.2002, 4 ♀♀, 10.ix.2002, 1 ♂ (freshly hatched), I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 1 ♂, P. Raus lgt. (MMBC). Výškovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 17.viii.2002, 1 ♀, 4.x.2002, 3 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 16.xi.1999–4.iii.2000, pt, 2 ♂♂, P. Bezděčka lgt., 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 22.x.2000, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (KHMC, PKPC); 4.x.2002, 4 ♂♂ 3 ♀♀, P. Kment (PKPC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 2 ♂♂ 2 ♀♀, 7.ix.2002, 3 ♂♂ 5 ♀♀, 1.x.2004, 1 ♂, 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.ix.2001, 1 ♀, P. Kment lgt., 17.vii.2002, 4 ♂♂ 2 ♀♀, 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 12.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, rare elsewhere. **General distribution:** West Palaearctic. **Biology and habitat:** Zoophagous. Euryecious with a preference for xerothermic habitats. Widespread, quite rare (WACHMANN *et al.* 2006). **Red List status:** –.

*Nabis (Nabis) rugosus* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 3 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (MUBC); 2.vii.1999, 3 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 2 ♀♀, I. Malenovský, 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 3 ♂♂ 1 ♀, 2.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 10.ix.1999, 2 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (MUBC); 1.x.2007, 2 ♂♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Plošiny NR (42), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 3 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., 1.vi.2002, 1 ♂, I. Malenovský lgt., 24.viii.2002, 4 ♂♂ 6 ♀♀, 17.viii.2006, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 3 ♂♂ 1 ♀,

28.v.2005, 1 ♂ 1 ♀, I. Malenovský lgt., 28.vii.2005, 1 ♂, 4.ix.2005, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 3 ♂♂ 3 ♀♀, P. Kment lgt., 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC); 13.–16.viii.2007, ypt, 1 ♀, J. Ježek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt., 9.ix.1999, 1 ♀, I. Malenovský lgt., 14.viii.2006, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 6 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 2 ♀♀, 1.ix.2004, 3 ♀♀, 16.vi.2006, 3 ♂♂, I. Malenovský lgt., 16.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂ 5 ♀♀, 3.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 2 ♀♀, I. Malenovský lgt., 16.viii.2006, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt., 12.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀, 28.v.2005, 1 ♂ 1 ♀, 28.vii.2005, 1 ♀, 6.ix.2005, 4 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 1 ♂, L. Pospíšilová lgt. (MMBC). Svätý Štěpán, right bank of Vlára river (95), 21.v.1999, 1 ♀, P. Kment lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, between village and Drahy NR (114), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 4 ♂♂ 1 ♀, 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 5 ♂♂ 2 ♀♀, 22.ix.2007, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Výškovec, Hřibovňa hill (175), on *Circaea lutetiana*, 25.ix.2004, 1 ♂, P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 3.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Výškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Výškovec, Bošačky, cattle pasture (179), 27.vi.2004, 1 ♀, 3.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Výškovec, Bošačky, meadow and orchard (180), 19.viii.2004, 3 ♂♂ 3 ♀♀, 25.ix.2004, 1 ♂ 6 ♀♀, P. Kment lgt., 21.v.2005, 4 ♀♀, 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 7 ♂♂ 1 ♀, P. Kment lgt. (PKPC); 14.vii.–5.viii.2008, Mt, 1 ♀, 5.–26.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂, I. Malenovský lgt., 20.ix.2001, 1 ♀, P. Kment lgt., 18.v.2002, 2 ♀♀, I. Malenovský lgt., 4.x.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 2 ♂♂ 8 ♀♀, 25.v.2000, 1 ♀, I. Malenovský lgt., 4.viii.2000, 1 ♀, 16.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., 18.v.2002, 1 ♀, I. Malenovský lgt., 17.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, 19.vi.2000, 2 ♂♂ 1 ♀, 18.viii.2000, 3 ♂♂ 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 5 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂ 6 ♀♀, 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 7 ♂♂ 9 ♀♀, P. Kment lgt., 10.ix.2000, 7 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 3 ♂♂, P. Kment lgt. (MHBC, PKPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. Euryecious, in various habitats, open to shaded, humid to xerothermic, although preferring more humid and half-shaded places, usually with trees (e.g. forest undergrowth and edges). Very common (WACHMANN *et al.* 2006). **Red List status:** –.

## Family ANTHOCORIDAE

### *Acomporis alpinus* Reuter, 1875

**Material examined.** Lopeník, Mikulčín vrch hill (160), 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Fojtické Mlýny (245), 24.vii.1980, 1 ♂, L. Pospíšilová lgt. (MMBC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀, P. Kment lgt. (PKPC).



**Additional material examined. MORAVIA:** Javorník, Račí údolí valley (5667), 15.vii.1981, 1 ♀, Z. Jindra lgt. (ZJPC). Ostravice, Smrk NR (6476), spruce forest on the summit, 1240 m a.s.l., 26.viii.1998, 2 ♂♂; Peretánky, beating of *Fagus sylvatica*, 1020 m a.s.l., 8.ix.1998, 1 ♀; SE slope, spruce forest, beating of *Picea abies*, 1100 m a.s.l., 8.ix.1998, 2 ♀♀; slope, 1080 m a.s.l., 20.vii.1999, 1 ♂, M. Roháčová lgt. et det., P. Kment revid. (MBFC). Křižánky, Kyšperský rybník pond (6362, N 49°41'10" E 16°03'33"), probably on *Pinus sylvestris*, 22.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Křižánky, environs of Kyšperský and Řásník ponds (6362), on *Picea abies*, 24.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Březejc, towards Ronov (6662, N 49°20'44" E 16°06'31"), on *Pinus sylvestris*, 4.iv.2000, 1 ♀, P. Kment lgt. (PKPC). Ořechov – Ronov, environs of Ořechovské rybníky ponds (6662), forest margin, on *Picea abies*, 3.xi.1999, 1 ♀, 4.iv.2000, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in three sites in the central and southern parts of the area. **General distribution:** Eurosiberian.

**Biology and habitat:** Zoophagous. On conifers (*Picea abies*, *Abies alba*, *Larix decidua*, *Pinus*). A boreo-montane species, preferring medium and higher altitudes. Quite rare (STEHLÍK 1952, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia known only from the Hrubý Jeseník Mts. (STEHLÍK 1952), Rychlebské hory Mts. (ŠTYS 1959) and Moravskoslezské Beskydy Mts. (ROHÁČOVÁ 2001a), a revision of the previous records is, however, needed. Also recorded from the Polish side of the Gl. Schneeberg [= Mt. Králický Sněžník] (5766–67) (POLENTZ 1944).

#### *Acomporis pygmaeus* (Fallén, 1807)

**Material examined.** Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only on Mt. Velká Javořina with a Malaise trap. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Zoophagous. On *Pinus*, mostly *P. sylvestris*. Preferring medium and higher altitudes. Widespread, quite rare (KMENT *et al.* 2003, WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** Previously confused with *Acomporis alpinus*. In Moravia known only from Javorník (Račí údolí valley, 5667), Ostrava-Poruba (6174), and Křižánky (environs of the Kyšperský rybník pond, 6362) (KMENT *et al.* 2003).

#### *Amphiareus obscuriceps* (Poppius, 1909)

**Published record.** KMENT & BRYJA (2001): Kněždub, cottage colony in the valley of Radějovka brook (198). **Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 4.–24.viii.2009, Mt, 1 ♂, 24.viii.–16.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 15.vi.–13.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the southern part of the area, mostly by means of Malaise traps. **General distribution:** East Palaearctic; introduced to West Palaearctic Region and North America. **Biology and**

**habitat:** Zoophagous. Euryecious, found mostly in synanthropic or semi-natural habitats; often associated with dead-leaf microhabitats (KMENT *et al.* 2003, WACHMANN *et al.* 2006, HENRY *et al.* 2008). **Red List status:** –.

**Comments.** An alien species, in the Czech Republic found for the first time in 1994. Its distribution was reviewed by KMENT (2006) with additional records provided by HRADIL *et al.* (2008).

#### *Anthocoris amplicollis* Horváth, 1893

**Material examined.** Lopeník, U Zvonice NM (155), on *Salix caprea*, 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley (198), 17.vi.2000, 1 spec., P. Kment lgt. (PKPC). Tvarožná Lhota, valley of Járkovec brook (201), sweeping of *Urtica* sp., 17.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), forest margin, 18.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 4 ♀♀, 13.vii.–10.viii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Brno-Bystrc, meadow at Rakovecká myslivna gamekeeper's lodge (6765, N 49°13'40" E 16°30'03"), 28.iv.1999, 1 ♀, M. Horskák & P. Kment lgt. (PKPC). Brno – Černovice, Černovický hájek NR (6865, N 49°09'56" E 16°38'44"), 15.iv.1999, 2 ♀♀, 20.iv.2000, 1 ♀, M. Horskák & J. Nerudová lgt. (PKPC). Tvarožná, Santon NM (6866, N 49°11'16" E 16°45'48"), 29.iii.1998, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Pouzdřany, Kolby forest (7065), 23.iv.2005, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the central and southern parts of the area, quite rare. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** Zoophagous, associated with gall-forming aphids and psyllids. On *Fraxinus excelsior*, rarely on other trees (*Cornus*, *Acer*). Widespread, rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia recorded only from Střeň (6368), Pavlovské kopce hills (Soutěska, Kotelná, 7165), Mikulov (Svatý kopeček NR, 7165) (STEHLÍK 1963, BRYJA & KMENT 2006a), and Ostrava (Slezská Ostrava, Štěpánův sad park near the Zárubek mine, 6175) (DOBŠÍK & KEMPŇY 1968).

#### *Anthocoris butleri* Le Quesne, 1954

**Material examined.** Velká nad Veličkou, village (222), 19.vi.2000, on *Buxus sempervirens*, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, on *Buxus sempervirens*, 2 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Lednice, castle park (7166), 26.ix.1999, on *Buxus sempervirens*, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC, JBSC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, found only at two sites in the southern part of the territory. **General distribution:** Atlantic, extending to central Europe. **Biology and habitat:** Zoophagous, preying especially on *Psylla buxi* (Linnaeus, 1758) (Hemiptera: Psylloidea), being exclusively found on *Buxus sempervirens*. Widespread, not rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia previously known only from two localities, Brno (Žlutý kopec hill, 6865) and Lednice (castle park, 7166) (STEHLÍK 1962). As *Buxus sempervirens* is not

native in the Czech Republic, *A. butleri* is considered an alien species in the Czech fauna (KMENT 2006). The specimens from the Bílé Karpaty PLA have the antennomere 2 only very slightly longer than the diatone in males (1.05–1.1×); both segments are equally long in females; however, the more elongate paramere fits the drawing of *A. butleri* by PÉRICART (1972).

#### *Anthocoris confusus* Reuter, 1884

**Material examined.** Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC); 12.iii.2006, under scales of the bark of *Abies alba*, 1 ♀, O. Konvička lgt. (NMPC). Valašské Klobouky, Bílé potoky NR, forest (47), 9.i.2007, under scales of the bark of *Abies alba*, 1 ♀, O. Konvička lgt. (NMPC). Svätý Štěpán, Chladný vrch NM (93), 6.iv.–5.v.2010, Mt, 1 ♂, 24.v.–16.vi.2010, Mt, 2 ♀♀, 16.vi.–4.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Lopeník, Velký Lopeník env. (181), 30.iv.2007, 1 ♀, O. Konvička lgt. (OKZC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, J. L. Stehlik lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 1 ♀ 1 spec., 10.viii.–7.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 7.iv.–13.v.2009, Mt, 1 ♂ 1 ♀, 3.–23.vi.2009, Mt, 5 ♀♀, 23.vi.–15.vii.2009, Mt, 1 ♀, 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, not rare. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** Zoophagous, preying especially on Aphidoidea, less frequently on Psylloidea and Psocoptera. On various deciduous trees, e.g. *Acer*, *Crataegus*, *Fagus*, *Fraxinus*, *Quercus*, *Populus*, *Salix*, *Tilia*, and *Ulmus*. Widespread, not rare (WACHMANN *et al.* 2006). **Red List status:** –.

#### *Anthocoris minki minki* Dohrn, 1860

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, village (222), 19.vi.2000, 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Veselí nad Moravou, park near railway station (7070), 8.viii.2001, on *Populus nigra*, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European. **Biology and habitat:** Zoophagous, associated with gall-forming aphids on *Populus*. Widespread, quite rare (URBAN 2002, 2004; WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia known only from Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK 1991), several localities in Brno (6765) (RAUS 1990; URBAN 2002, 2004), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

*Anthocoris nemoralis* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 spec., P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 1.vi.2002, 1 ♀, I. Malenovský lgt., 17.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 14.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 4 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Svaty Štěpán, below quarry downhill of Okrouhlá NM (98), under scales of the bark of *Abies alba*, 19.xii.2006, 1 ♂, O. Konvička lgt. (NMPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 2 ♂♂ 2 ♀♀, P. Baňar lgt. et det. (MMBC). Horní Němčí, village (109), 13.viii.2001, on *Tilia* sp., 1 ♀, P. Kment lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Hornoněmčanský háj forest (118), 7.vii.1980, 1 ♀, L. Pospíšilová lgt. (MMBC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♀, O. Konvička lgt. (NMPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♀♀, 22.ix.2007, 2 ♂♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, 8.viii.2007, 2 ♂♂, P. Kment lgt. (PKPC). Radějov, Dolní Mlýn (195), 11.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley (198), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 10.vi.2000, 1 ♂ 1 ♀, J. Bryja lgt. (JBSC); 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC); 14.v.–4.vi.2008, Mt, 1 ♀, 24.ix.–27.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Holý vrch hill (189), 4.vii.1977, 1 ♂ 2 ♀♀, J. L. Stehlik lgt. (MMBC). Kněždub, Radějovka brook valley (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 7.v.2000, on *Loranthus europeus*, 2 ♂♂, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂ 1 ♀, 15.vi.–14.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 7 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂, P. Kment & I. Malenovský lgt., 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC); 25.vi.2010, 2 ♂♂, J. Ch. Vávra lgt. (OMOC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), 9.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 6 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 4 ♂♂ 7 ♀♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 19.vi.2000, 14 ♂♂ 16 ♀♀, P. Kment lgt., 24.vii.2000, 2 ♀♀, I. Malenovský lgt., 18.viii.2000, 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 7 ♂♂ 9 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♀, 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂ 1 ♀, 19.vi.2000, 13 ♂♂ 17 ♀♀, I. Malenovský lgt., 18.viii.2000, 5 ♀♀, P. Kment lgt., 10.ix.2000, 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♀, 2.–25.vi.2009, Mt, 4 ♂♂ 1 ♀, 5.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 11 ♂♂ 9 ♀♀, P. Lauterer & J. L. Stehlik lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 4 ♀♀, 12.v.–2.vi.2009, Mt, 1 ♀, 2.–25.vi.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♀, 3.–22.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♀, 8.–28.v.2007, Mt, 1 ♂ 1 ♀, 28.v.–18.vi.2007, Mt, 4 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 7 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic. **Biology and habitat:** Zoophagous on Psylloidea, Aphidoidea, Thysanoptera, Acari: Tetranychidae, etc. Euryecious, usually living on various deciduous trees and shrubs, often on *Crataegus* or *Fraxinus*. Very common (WACHMANN *et al.* 2006). **Red List status:** –.

### *Anthocoris nemorum* (Linnaeus, 1761)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.1999, 1 ♂ 1 ♀, M. Horsák & P. Kment lgt. (MUBC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 7 ♂♂ 4 ♀♀ (1 ♂ freshly hatched), P. Kment & I. Malenovský lgt. (MUBC, PKPC); 10.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (MUBC); 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Královec hill (33), 22.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 5 ♂♂ 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35) and U Rybníků (38), 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 22.v.1999, 3 ♀♀, P. Kment lgt. (PKPC); 2.vii.1999, 4 ♂♂ 4 ♀♀, M. Horsák & P. Kment lgt. (MUBC). Poteč, Ploščíny NR (42), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 5 ♀♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploščíny ridge (43), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 30.vi.1999, 1 ♂ 4 ♀♀, M. Horsák & P. Kment lgt., 11.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♀, I. Malenovský lgt., 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 3.vii.1999, 4 ♀♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 1 ♀, 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Popov, Havránkův potok brook valley (71), 6.viii.1980, 4 ♂♂ 5 ♀♀, J. L. Stehlik lgt. (MMBC). Brumov, Holý vrch hill (79), 14.vi.1971, 1 ♀, L. Pospíšilová lgt. (MMBC). Bylničky, Tarandové hill (80), 24.vi.1982, 2 ♂♂ 2 ♀♀, P. Lauterer lgt. (MMBC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (MUBC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt.; 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Sidonie, Sidonie NR (87), 16.vi.–5.vii.2010, Mt, 1 ♂, 5.vii.–11.viii.2010, Mt, 2 ♀♀, 8.ix.–23.x.2010, Mt, 1 spec., P. Chvojka & J. Macek lgt. (NMPC). Nedašov, Na Kopanicách, brook (89), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Sidonie, Vlárka brook valley (92), 8.ix.1981, 3 ♀♀, L. Pospíšilová lgt. (MMBC). Korytná, Březí (113), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 15.v.1998, 1 ♀, P. Kment lgt., 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Lesná hill (123), 24.vii.1980, 3 ♂♂ 2 ♀♀, L. Pospíšilová lgt. (MMBC). Komňa env. (127), 20.iv.2006, 1 ♀, O. Konvička lgt. (NMPC). Komňa, Nový Dvůr (129), 21.viii.1984, 2 ♀♀, P. Lauterer & P. Raus lgt. (MMBC). Strání, valley of Klanečnice above reservoir (142), 10.vii.1998, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Strání, valley of Klanečnice between the village and reservoir (143), 10.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Lopeník, U Zvonice NM (155), 21.v.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), on *Corylus avellana*, 18.viii.2004, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), 17.vii.1964, 1 ♂ 3 ♀♀, L. Pospíšilová lgt. (MMBC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀,

P. Kment & I. Malenovský lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Sudoměřice, Mlýny, Sudoměřický potok book (191), 10.iv.2003, 1 ♀, P. Pařil lgt. (PKPC). Kněždub, Kněždubský háj forest (197) and Radějovka brook valley (198), 17.vi.2000, 2 ♂♂ 8 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–14.vii.2010, Mt, 3 ♂♂, 14.vii.–12.viii.2010, Mt, 1 ♂ 5 ♀♀, 12.viii.–9.ix.2010, Mt, 1 ♀, 9.ix.–22.x.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 19.vi.2000, 3 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♀♀, I. Malenovský lgt., 19.vi.2000, 4 ♂♂ 10 ♀♀, I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂ 5 ♀♀, 12.v.–3.vi.2009, Mt, 1 ♀, 3.–22.vi.2009, Mt, 1 ♀, 22.vi.–15.vii.2009, Mt, 3 ♂♂ 2 ♀♀, 15.vii.–5.viii.2009, Mt, 9 ♀♀, 24.viii.–16.ix.2009, Mt, 1 ♂ 1 ♀, 16.ix.–21.x.2009, Mt, 5 ♂♂ 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–13.vii.2010, Mt, 2 ♂♂ 6 ♀♀, 13.vii.–10.viii.2010, Mt, 1 ♀, 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt. (PKPC); 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂ 3 ♀♀, 8.–28.v.2007, Mt, 2 ♀♀, 28.v.–18.vi.2007, Mt, 2 ♂♂ 4 ♀♀, 18.vi.–9.vii.2007, Mt, 3 ♂♂ 4 ♀♀, 9.vii.–2.viii.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, 15.vi.–9.vii.2010, Mt, 2 ♂♂ 1 ♀, 9.vii.–12.viii.2010, Mt, 1 ♀, 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 7.iv.–13.v.2009, Mt, 6 ♂♂ 76 ♀♀, 13.v.–3.vi.2009, Mt, 2 ♀♀, 3.–23.vi.2009, Mt, 1 ♂ 25 ♀♀, 23.vi.–15.vii.2009, Mt, 11 ♂♂ 36 ♀♀, 15.vii.–6.viii.2009, Mt, 8 ♂♂ 17 ♀♀, 6.–24.viii.2009, Mt, 1 ♂ 6 ♀♀, 24.viii.–17.ix.2009, Mt, 6 ♂♂ 2 ♀♀, 17.ix.–21.x.2009, Mt, 27 ♂♂ 17 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous, also sucking on pollen. On herbaceous vegetation (e.g. *Urtica dioica*), less frequently on trees (e.g. *Salix*, fruit trees), preferring moister, open to half-shaded habitats. Very common (DOBŠÍK & URBAN 1981, WACHMANN *et al.* 2006). **Red List status:** –.

### *Dufouriellus ater* (Dufour, 1833)

**Material examined.** Svatý Štěpán, Chladný vrch NM (93), 24.v.–16.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, sawmill (244), under bark of a *Quercus* stem, 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Strání, Záhumenice NM (266), under bark of stakes in a fence, 9.viii.2001, 1 ♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Bransouze, in village (6660), on spruce logs, 21.v.2003, 2 ♂♂ 2 ♀♀, M. Horsák lgt. (MHBC, PKPC). Třebíč (6760), 24.ii.1991, 4 spec., Z. Malinka lgt. (ZMOC). Únanov (7162), 12.viii.1966, 1 ♂ 4 ♀♀, L. Pospíšilová lgt. (MMBC). Hnanice – Popice (7162), steppe, 3.v.1977, 1 ♀, J. Vilímová lgt. (JVPC). Břeclav, Pohansko deer-game park (7267), under bark of dead oaks, 16.–17.vii.2004, 1 ♀, 1.v.2008, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** Holarctic (Holopalaeartic and Nearctic), also

known from Argentina, Chile, and the Hawaii (introduced). **Biology and habitat:** Zoophagous. Under loose bark of dead trees, deciduous as well as coniferous, often on stakes in fences and banisters with remnants of bark. Widespread, but rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia recorded from Zlechov (6970) (SPITZNER 1892, as *Xylocoris ater*), the Rychlebské hory Mts. (ŠTYS 1959), Huslenky (Kýčová, 6774) (SPITZER *et al.* 2010), and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

***Dysepicritus rufescens* (A. Costa, 1847)**

**(Fig. 8)**

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap in one locality in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** Zoophagous, specialized to prey on Psocoptera. On deciduous trees and conifers under the loose bark, in herbaceous vegetation, in wet habitats on Cyperaceae and *Juncus* spp., in mosses, straw, and under cut grass. Very rare (WACHMANN *et al.* 2006). **Red List status:** Not evaluated.

**Comments.** In central Europe known only from Austria, Germany (doubtful), Hungary, the Netherlands, and Slovakia (PÉRICART 1996). We provide here the first record for the Czech Republic.

***Elatophilus (Elatophilus) nigricornis* (Zetterstedt, 1838)**

**(Fig. 9)**

**Material examined.** Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap in one locality in the southern part of the area. **General distribution:** European, extending to Iran. **Biology and habitat:** Zoophagous. On *Pinus* spp., mostly *P. sylvestris*, rarely also on *Picea*. Widespread, but quite rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** For Bohemia recorded from Stará Boleslav (57–5854), Nymburk (5856) (ROUBAL 1953), Tis [u Blatna] (5946), and Valeč (5845) (ROUBAL 1957). Here we provide the first record for Moravia.

***Orius (Heterorius) horvathi* (Reuter, 1884)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.ix.–29.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 10.ix.–3.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 24.viii.–17.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Ječmeniště, Lampenberk (7262), 27.vi.2002, 1 ♂, D. Král lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** Holopalaearctic. **Biology and habitat:** Zoophagous, also sucking on pollen. On herbaceous vegetation as well as on trees. Widespread, but rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia known from ruderal vegetation in Brno (6765–66, 6865–66) (RAUS 1988, 1990) and Mikulov (Svatý kopeček NR, 7165) (BRYJA & KMENT 2006a).

#### ***Orius (Heterorius) laticollis laticollis* (Reuter, 1884)**

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook (204), 5.–25.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), on deciduous trees, 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Brno – Bohunice, towards Vídeňská street, Leskava brook banks (6865, N 49°09'47" E 16°35'13"), sweeping, 210 m a.s.l., 10.ix.2004, 7 ♂♂ 6 ♀♀, I. Malenovský lgt. (PKPC). Brno – Dolní Heršpice (0–1.2 km NW), banks of Leskava brook (6865, N 49°09'46" E 16°34'14"), sweeping, 200 m a.s.l., 10.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Ostopovice, Leskava brook surroundings (6865, N 49°09'52" E 16°33'05"), 230 m a.s.l., 7.ix.2004, 2 ♂♂ 2 ♀♀, I. Malenovský & L. Dembický lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the southern part of the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous, also sucking on pollen. On shrubs and trees (*Salix*, *Fraxinus*, *Populus*, *Alnus*, *Ulmus*), more rarely on herbaceous vegetation. In relatively moist habitats, often in proximity of water. Widespread, but quite rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia previously found only on ruderal vegetation in Brno – Maloměřice (6765) (RAUS 1988, 1990) and in galls of *Pemphigus gairi* Stroyan, 1964 (Aphidoidea: Pemphigidae) on *Populus nigra* in Brno – Obřany (6765) (URBAN 2004).

#### ***Orius (Heterorius) majusculus* (Reuter, 1879)**

**Material examined.** Bylnice, railway station environs (83), 11.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), forest margin, 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 20.viii.2002, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou, village, Velička river above the weir (224), 19.vi.2000, 1 ♀, P. Kment lgt., 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 21.ix.2001, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected throughout the area, but quite rare. **General distribution:** Holarctic (Eurosiberian, extending to Maghreb and Canada). **Biology and habitat:** Zoophagous, also sucking on pollen. On herbaceous vegetation as well as on trees (e.g. *Salix* and fruit trees), preferring humid habitats in proximity of water, but also found in drier, open habitats. Common (WACHMANN *et al.* 2006). **Red List status:** –.



***Orius (Heterorius) minutus* (Linnaeus, 1758)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 3 ♂♂, P. Kment lgt. (PKPC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 3 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, village (51), ruderal vegetation, 17.viii.2006, 4 ♂♂, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♂, 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Sidonie, Sidonie NR (87), 5.vii.–11.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 12.ix.–2.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Radějovka brook valley below Čertoryje (198), 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 15.vi.–14.vii.2010, Mt, 5 ♂♂ 1 ♀, 14.vii.–12.viii.2010, Mt, 7 ♂♂, 12.viii.–9.ix.2010, Mt, 1 ♂, 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♂, I. Malenovský lgt., 16.viii.2000, 1 ♂, 20.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 20.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), 19.vi.2000, on deciduous trees, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 6 ♂♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 9 ♂♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 16.ix.–21.x.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 4 ♂♂, 13.vii.–10.viii.2010, Mt, 2 ♂♂, 10.viii.–7.ix.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 28.v.–18.vi.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 2 ♂♂, 10.ix.–3.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, Mt, 1 ♂, 2.–22.viii.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous, also sucking on pollen. Euryecious, on herbaceous vegetation as well as deciduous trees in humid to dry habitats. Very common (WACHMANN *et al.* 2006). **Red List status:** –.

***Orius (Heterorius) vicinus* (Ribaut, 1923)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt. (PKPC); 23.vi.–16.vii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nedašov, village (51), ruderal vegetation, 17.viii.2006, 3 ♂♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 4.–25.viii.2008, Mt, 1 ♂, 23.ix.–29.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), 19.vi.2000, on deciduous trees, 2 ♂♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 2.–25.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** Holarctic (Eurosiberian, Central Asiatic, and

Nearctic). **Biology and habitat:** Zoophagous, also sucking on pollen. On herbaceous vegetation as well as shrubs, deciduous trees, and more rarely conifers. Euryecious, in humid to dry habitats, natural sites, as well as ruderal vegetation and in gardens. Widespread, but quite rare (WACHMANN *et al.* 2006). **Red List status:** –.

### *Orius (Orius) niger* (Wolff, 1811)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt., 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 5.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 3 ♀♀, I. Malenovský lgt. (PKPC). Slavičín (69), 10.vii.1989, 1 ♂, I. Vavřínová lgt. (MMBC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 21.ix.2001, 1 ♀, P. Kment lgt., 20.vii.2002, 3 ♀♀, 10.ix.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Bánov, Skalky hill (125), 21.viii.1984, 2 ♂♂, P. Lauterer lgt. (MMBC). Strání, Obecnice hill, at transmission tower (144), 21.ix.2001, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 2 ♂♂ 1 ♀, 29.v.–19.vi.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 1 ♀, 12.ix.–2.x.2007, Mt, 1 ♂, 2.–31.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Výškovecké Bošачky, meadow and orchard (180), 19.viii.2004, 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 20 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♂ 18 ♀♀, I. Malenovský lgt., 8.vii.2000, 2 ♂♂ 4 ♀♀, P. Kment lgt., 27.vii.2000, 24 ♂♂ 130 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 2 ♂♂, 16.viii.2000, 6 ♂♂ 25 ♀♀, P. Kment lgt., 1.x.2000, 3 ♂♂, 22.x.2000, 3 ♂♂ 1 ♀, 28.vii.2001, 7 ♂♂ 12 ♀♀, P. Kment & I. Malenovský lgt., 20.ix.2001, 39 ♂♂ 7 ♀♀, 4.x.2002, 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♀, Z. Malinka lgt. (ZMOC). Velká nad Veličkou, village (222), 19.vi.2000, 1 ♀, P. Kment lgt., 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 27.vii.2005, 1 spec., I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, towards Javorník (240), 10.vi.1982, 1 ♀, P. Lauterer lgt. (MMBC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 5.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 1 ♂ 7 ♀♀, 7.ix.2002, 1 ♂, 1.x.2004, 3 ♂♂, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♀, 16.ix.–22.x.2009, Mt, 3 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.ix.–21.x.2010, Mt, 3 ♂♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂ 1 ♀, 2.–22.viii.2007, Mt, 1 ♀, 22.viii.–10.ix.2007, Mt, 2 ♀♀, 10.ix.–3.x.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 2 ♀♀, 9.vii.–2.viii.2007, Mt, 1 ♀, 22.viii.–10.ix.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 20.vii.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, quite rare elsewhere. **General distribution:** Holopalaeartic; extending to India. **Biology and habitat:** Zoophagous, also sucking on pollen. Euryecious, largely found on herbaceous vegetation, especially flowers. Very common (WACHMANN *et al.* 2006). **Red List status:** –.

***Temnostethus (Temnostethus) pusillus* (Herrich-Schaeffer, 1835)**

**Material examined.** Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 spec., P. Chvojka & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 24.viii.–14.ix.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 spec., P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♀, 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, forest (269), under bark of fallen stem, 3.vii.2001, 1 ♀, M. Horskák & P. Kment lgt. (PKPC).

**Additional material examined. MORAVIA:** Brno – Líšeň, Kavky NM (6766), sweeping of *Quercus* sp., 8.vi.2007, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the southern part of the area, quite rare. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** Zoophagous. On the bark of trunks and branches covered with lichens: on deciduous trees (e.g. *Fraxinus*, *Malus*), rarely conifers. Widespread, but rare (WACHMANN *et al.* 2006). DOBŠÍK (1984) reported a finding of adults and numerous larvae under the bark of *Larix decidua* infested with *Sacchiphantes viridis* (Ratzeburg, 1843) (Aphidoidea: Adelgidae). **Red List status:** –.

**Comments.** For Moravia recorded “um Brunn” [= in the environs of Brno] (67–6865, 67–6866) (SPITZNER 1892), Křtiny (66–6766) (DOBŠÍK 1984), and Lednice (Horní les floodplain forest, 7166) (KŘÍSTEK 1991).

***Tetraphleps bicuspis* (Herrich-Schaeffer, 1835)**

**Material examined.** Kněždub, Radějovka brook valley below Čertoryje (198), on *Larix decidua*, 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Larix decidua*, 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Větkovice (6273), 24.ix.1995, 1 ♂, J. Bryja lgt. et det., P. Kment det. (JBSC). Ostravice – Skalka (6476), mesophilous meadow, 580 m a.s.l., 19.vii.1991, 1 ♀, M. Roháčová lgt. et det., P. Kment revid. (MBFC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the southern parts of the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous. On *Larix decidua*, less frequently on other conifers (*Picea*, *Abies*, *Pinus*, *Juniperus*). Preferring higher altitudes, in lowlands scattered and quite rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia known from the environs of Třebíč (Ptáčovský žleb valley, 6761) (STEHLÍK 1945a), the Rychlebské hory Mts. (ŠTYS 1959), and Jeseník nad Odrou (6373) (BRYJA & KMENT 2001).

***Xylocoris (Proxylocoris) galactinus* (Fieber, 1836)**

**Material examined.** Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Javorník, Jazevčí NNR (232), 12.v.–2.vi.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Šilheřovice (6075), park, sifting of decaying grass, 5.xii.2004, 2 ♂♂, M. Mantič lgt. (MMHC, PKPC). Děhylov (6174), sifting of dung, 28.x.1998, 2 ♀♀, M. Mantič lgt. (MMHC, PKPC). Hlučín – Bobrovniky (6175), garden, sifting of compost, 21.viii.2003, 3 ♂♂, M. Mantič lgt. (MMHC, PKPC). Větrkovice (6272), in village, 13.vi.2001, 1 ♂, J. Bryja lgt. (JBSC). Dobruška (6376), sifting of rabbit dung, 29.ix.2001, 1 ♂, M. Mantič lgt. (MMHC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the central and southern parts of the area with Malaise traps, rare. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** Zoophagous. Living in warm places with higher metabolic activity of microorganisms, mostly around human dwellings, such as heaps of compost, dung, stables, glasshouses, haylofts, and silos. Also found in nests of ants (e.g. *Tetramorium caespitum* Linnaeus, 1756) and small mammals. Widespread, not rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia first recorded from Zlín (6771–72) by BALTHASAR (1945). Additional records were obtained by sifting of a mouldy hay in Ostrava – Poruba (6174) and Polanka nad Odrou (6275) (BRYJA & KMENT 2001).

### *Xylocoris (Xylocoris) cursitans* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Pitín, Vlčí potok valley (75), 5.xi.2007, 1 ♂ (br), O. Konvička lgt. (OKZC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♂ (ma) 3 ♂♂ 1 ♀ (br), L. Pospíšilová lgt. (MMBC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♀ (ma), 11.–31.vii.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), under bark of old *Cerasus*, 22.ix.2007, 1 ♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), old poplar logs, under bark, 2.ix.2005, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), bank of Velička river upstreams Javorník river, logs (N 48°51'56" E 17°32'29"), 8.x.2008, 1 ♂ 1 ♀ (br), P. Komzák lgt. (PKBC). Strání, Záhumenice NM (266), under bark of stakes in a fence, 9.viii.2001, 1 ♂ (br) 1 ♀ (ma) 1 ♀ (br), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the central and southern parts of the area, not rare. **General distribution:** Holarctic (Eurosiberian, extending to Maghreb and Nearctic). **Biology and habitat:** Zoophagous. Under the loose bark of dead deciduous trees (*Fagus sylvatica*, *Quercus*), rarely conifers (*Pinus*, *Picea*), in moist to dry conditions. Widespread, not rare (WACHMANN *et al.* 2006). **Red List status:** –.

**Comments.** In Moravia recorded from Brunn [= Brno] (6765–66, 6865–66) (SPITZNER 1892, as *Piezostethus cursitans*). BALTHASAR (1945) considered it as a quite frequent species in the environs of Zlín (6771–72). ŠTYS (1959) added three localities from the Rychlebské hory Mts.: Nové Vilémovice (5667), Homole [= Mt. Strážiště] (5667), and Hraničky (5667d). Additional records were provided by DOBŠÍK (1977) from Hlučín (60–6175), RUS (2005) from Miroslav (7063), Pouzdřany (7065) and Znojmo (7162), and ROHÁČOVÁ (2011) from Krásná pod Lysou horou (Obidová NM, 6477).

True bugs (Hemiptera: Heteroptera)

### Family LYCTOCORIDAE

#### *Lyctocoris (Lyctocoris) campestris* (Fabricius, 1794)

**Material examined.** Petrov, Staré hory hill (186), on *Tilia* sp., 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 4.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined. MORAVIA:** Opava (6073), 1.i.2000, 1 ♀, Z. Malinka lgt. (ZMOC). Brno – Líšeň (6766), 22.viii.1971, 1 ♀, Grulich lgt. (MMBC). Větrkovice (6272), in village, at light, 14.v.2001, 1 ♀, J. Bryja lgt. (JBSC). Velká Lhota (6574), “U Malíků”, sifting of abandoned *Parus major* nest built in a nest box, 23.i.2000, 1 ♂ 4 ♀♀ 2 L, J. Martinek lgt. (MHBC, PKPC). Hovorany, Hovoranské louky NR (7067), 230–250 m a.s.l., 20.vi.1984, 1 ♂, J. L. Stehlík lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two localities in the southern part of the area. **General distribution:** Cosmopolitan, probably native in the Palaearctic Region. **Biology and habitat:** Zoophagous, occasionally a blood-sucking ectoparasite of birds and mammals, including humans (ŠTYS & DANIEL 1958, WACHMANN *et al.* 2006). In heaps of straw or hay, under leaf-litter, in compost, bird and mammal nests, as well as inside of buildings (stables, barns, storehouses, flats, etc.) (WACHMANN *et al.* 2006). **Red List status:** –.

### Family CIMICIDAE

#### *Cimex pipistrelli* Jenyns, 1839

**Material examined.** Luhačovice, Serenyi palace (63), colony of *Myotis myotis*, 29.vii.2006, 229 spec., Wolf lgt., O. Balvín det. (OBPC). Komňa, church (126), colony of *Myotis myotis*, 29.vii.2006, 24 ♂♂ 29 ♀♀, Wolf lgt., O. Balvín det. (OBPC). Lipov, church (99), colony of *Myotis myotis*, 29.vii.2006, 10 spec., Wolf lgt., O. Balvín det. (OBPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected at three synanthropic sites only. **General distribution:** Eurosiberian. **Biology and habitat:** An obligatory blood-sucking ectoparasite of bats (especially *Myotis myotis*), occurring in their summer breeding places (WACHMANN *et al.* 2006). Not rare. **Red List status:** –.

**Comments.** The taxonomic status and biology of the bat bugs is currently under revision (e.g. BARTONIČKA 2007, BALVÍN 2008; O. Balvín, pers. comm.).

#### *Oeciacus hirundinis* (Lamarck, 1816)

**Published record.** STEHLÍK (1945a): Hluk (7071).

**Material examined.** Luhačovice, building of the Bílé Karpaty PLA Management (2), at the nest of *Delichon urbica*, 15.iv.2010, 4 ♂♂ 2 ♀♀, 12.vi.2010, 2 ♂♂ 4 ♀♀ 3 L, O. Konvička lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Recently collected only at one site in the northern part of the area, but probably undersampled. **General distribution:** Holopalaearctic (except south-eastern areas). **Biology and habitat:** An obligatory blood-sucking ectoparasite, dwelling in nests of swallows and martins (*Hirundo rustica*, *Delichon urbica*, *Riparia riparia*), and swifts (*Apus apus*), rarely of other birds (*Passer*). On hot summer days or in autumn after departure of the hosts, the bugs may enter human

flats and attack people. Widespread, but only rarely collected (WACHMANN *et al.* 2006).

**Red List status:** –.

**Comments.** For Moravia previously recorded only by STEHLÍK (1945a) from Hluk.

### Family REDUVIIDAE

#### *Empicoris culiciformis* (De Geer, 1773)

**Material examined.** Hrubá Vrbka, village (212), old poplar logs, under bark, 2.ix.2005, 1 L, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only at one site in the southern part of the area but probably undersampled. **General distribution:** West Palaearctic; introduced to North America and Chile. **Biology and habitat:** Zoophagous, preying e.g. on small Diptera and Psocoptera. Naturally it occurs beneath the bark of trees, in tree holes, nests of birds and squirrels, as well as under stones, heaps of fallen leaves and straw. Commonly collected under synanthropic conditions on the walls of houses as well as inside of buildings; it can live in spider webs; also attracted to light. Widespread, not rare (STEHLÍK & VAVŘINOVÁ 1997a, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Empicoris vagabundus* (Linnaeus, 1758)

**Material examined.** Nedašov, village (51), at church, on *Thuja occidentalis*, 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Kuželov, right-side spring brook of Malanský potok brook (213), 4.vii.2002, 1 ♂, M. Horsák lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holarctic (Eurosiberian and Nearctic); introduced to Chile. **Biology and habitat:** Zoophagous (preying e.g. on Psocoptera). Arboricolous, found on both deciduous trees and conifers, dwelling mostly on the trunk and branches covered with moss and lichens and preferring shaded microhabitats. Not found in synanthropic conditions in Moravia so far. Widespread, not rare (STEHLÍK & VAVŘINOVÁ 1997a, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Phymata crassipes* (Fabricius, 1775)

**Published records.** STEHLÍK & VAVŘINOVÁ (1997a): Kněždub, Čertoryje NNR (202); Javorník (7171), above the village; Javorník, Výzkum [hill] (258); Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 6 ♂♂, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 28.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 7.v.2008, 1 ♂, O. Konvička lgt. (OKZC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC); 13.vii.1998, 2 ♂♂ 1 ♀, P. Kment & M. Omesová lgt. (MUBC, PKPC); 19.vi.2000, 2 ♂♂ 1 ♀, P. Kment lgt., 24.vii.2000, 1 ♂, I. Malenovský lgt., 9.–10.ix.2000, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 29.viii.2005, 1 ♂, M. Horsák lgt. (MHBC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M.

Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** In xerothermic sites throughout the area, most records coming from the southern part. **General distribution:** Holopalaeartic (except south-eastern areas). **Biology and habitat:** Zoophagous. On herbaceous vegetation (e.g. on flowers), mostly in xerothermic localities. Widely distributed but mainly found at lower altitudes, up to 600 m a.s.l.; not rare (STEHLÍK & VAVŘÍNOVÁ 1997a, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Reduvius personatus* (Linnaeus, 1758)

**Published record.** STEHLÍK & VAVŘÍNOVÁ (1997a): Pitín (6973).

**Additional material examined. MORAVIA:** Břeclav, Pohansko (7267, N 48°43'37.21" E 16°53'53.17"), under loose bark of an old dead oak trunk, evening, 17.vii.2004, 1 ♂ 1 ♀, M. Horsák & P. Kment (NMPC, MHBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, not collected in the course of the recent survey. **General distribution:** West Palaearctic; introduced to North America. **Biology and habitat:** Zoophagous, preying on almost every arthropod group living inside of buildings (STEHLÍK & VAVŘÍNOVÁ 1997a, WACHMANN *et al.* 2006). In the Czech Republic known almost exclusively from synanthropic habitats (e.g. farm buildings, old wooden houses, latrines, storerooms, but also in flats) (STEHLÍK & VAVŘÍNOVÁ 1997a, KMENT & BRYJA 2001); collected only twice in natural habitats in the southernmost Moravia – in a salt marsh by Velké Němčice (STEHLÍK & VAVŘÍNOVÁ 1997a) and in the Pohansko deergame park (this paper). **Red List status:** –.

#### *Rhynocoris (Rhynocoris) annulatus* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected at one locality in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** Zoophagous (preying mostly on caterpillars of Lepidoptera, but also attacking larvae of Chrysomelidae and Hymenoptera, and other arthropods). Euryecious, in various dry to humid habitats, on herbaceous vegetation as well as on trees. In Moravia most frequently found in forest clearings in hilly landscapes. Widespread, but generally quite rare (STEHLÍK & VAVŘÍNOVÁ 1997a, WACHMANN *et al.* 2006). **Red List status:** –.

#### *Rhynocoris (Rhynocoris) iracundus* (Poda, 1761)

**Material examined.** Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap in a single locality on the southern border of the area. **General distribution:** Holopalaeartic (except northern areas). **Biology and habitat:** Zoophagous. In open,

sunny, xerothermic sites on sandy as well as rocky substrates; adults mostly dwell on herbaceous vegetation and flowers, rarely on trees, while larvae stay near the ground. Widespread in warm and moderately warm regions of Moravia, preferring very warm sites (STEHLÍK & VAVŘINOVÁ 1997a, WACHMANN *et al.* 2006). **Red List status:** –.

### Family ARADIDAE

#### *Aneurus (Aneurodes) avenius* (Dufour, 1833)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Svatý Štěpán, Chladný vrch NM (93), 12.vi.2007, 1 ♀, O. Konvička lgt. (OKZC). Svatý Štěpán, Okrouhlá NM (97), 11.ix.2011, 5 ♀♀, E. Ezer lgt. (EEZC, NMPC). Horní Němčí, Uvezené NM (120), 7.ii.2009, sifting, 1 ♀, J. Ch. Vávra lgt. (OMOC); 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Starý Hrozenkov, Hrozenkovské terasy (167), under bark of old *Cerasus vulgaris*, 22.ix.2007, 2 ♀♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 25.v.1998, 1 ♂, J. Strejček (OBPC); 18.iv.2006, 1 ♂ 2 ♀♀, O. Konvička lgt. (PKPC). Vápenky (248), 5.iv.1978, 1 ♂, J. Jelínek (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 5.–24.v.2010, Mt, 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian, extending to Maghreb, Anatolia and Transcaucasia.

**Biology and habitat:** Mycophagous. Found under the loose bark of logs and branches lying on the ground, predominantly of deciduous trees and shrubs (*Fagus*, *Quercus*, *Carpinus*, *Tilia*, *Betula*, *Alnus*, *Ligustrum*, etc.), but also recorded from *Larix* and *Abies*. Widespread, not rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Aneurus (Aneurus) laevis* (Fabricius, 1775) (VU)

**Material examined.** Starý Hrozenkov, Skalka quarry (169), under bark of dead *Salix* sp., 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in a single site in the central part of the area. **General distribution:** West Palaearctic. **Biology and habitat:** Mycophagous, associated with polyporous fungi (*Trametes versicolor*, *Stereum hirsutum*, *Corticium*, *Polyporus*, etc.). Found under the loose bark of dead logs and branches, often lying on the ground, predominantly of deciduous trees (*Fagus*, *Quercus*, *Carpinus*, *Tilia*, *Betula*, *Alnus*, etc.). Rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007). **Red List status:** Vulnerable.

#### *Aradus (Aradus) betulae* (Linnaeus, 1758)

**Material examined.** Nedašov, Jalovcová stráž NR (54), 2.vi.2005, 1 ♂ 1 L5, O. Konvička lgt. (OKZC). Lopeník, Velký Lopeník env. (181), 30.iv.2007, 1 ♂, O. Konvička lgt. (OKZC). Strání, Javorina NNR, forest (269), 31.viii.2005, valley of Velička spring, 1 ♂, M. Horsák lgt. (MHBC); 26.vii.2007, 1 ♂, O. Konvička lgt. (OKZC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but rare. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:**



Mycophagous, associated with tree fungi (*Fomes*, *Leptoporus*, *Piptoporus*, *Trametes*, etc.) on deciduous trees (*Betula*, *Fagus sylvatica*, *Populus*, *Salix*, *Quercus*, etc.). Widespread, not rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Aradus (Aradus) cinnamomeus* Panzer, 1806

**Material examined.** Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀ (br), O. Konvička lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in a single site in the northern part of the area. **General distribution:** West Eurosiberian, extending to the Near East. **Biology and habitat:** Phytophagous, feeding on live tissues of *Pinus* (especially *Pinus sylvestris*), rarely on other conifers. Widespread, not rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Aradus (Aradus) conspicuus* Herrich-Schaeffer, 1835

**Published record.** STEHLÍK & HEISS (2000): Strání, Důbrava hill (150).

**Material examined.** Sidonie, Sidonie NR (87), 12.vi.2006, 1 ♀, O. Konvička lgt., 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 12.vi.2007, 1 ♀, O. Konvička lgt. (OKZC). Svatý Štěpán, Okrouhlá NM (97), 8.xi.2006, 1 ♂, O. Konvička lgt. (OKZC); 11.ix.2011, 1 ♂, E. Ezer lgt. (EEZC). Březová, Velký Lopeník Mt. (162), under bark of fallen *Fagus sylvatica*, 15.viii.2001, 5 ♀♀ 7 L, M. Horsák & J. Horsáková lgt. (KHMC, PKPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** West Eurosiberian, extending to Maghreb and Anatolia. **Biology and habitat:** Mycophagous, associated with polyporous fungi (*Polyporus*, *Leptoporus*, *Fomes*, *Coriolus*, *Trametes*), predominantly found on deciduous trees (especially *Fagus sylvatica*, also on *Populus*, *Tilia*, *Quercus*, etc.), exceptionally on conifers. Widespread, not rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Aradus (Aradus) depressus depressus* (Fabricius, 1794)

**Published records.** HOBERLANDT (1956): [Kněždub], Šumárník [hill] (7170). STEHLÍK & HEISS (2000): [Kněždub], Horní Mlýn, Šumárník hill (7170).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 20.v.2006, 1 ♀, P. Komzák lgt. (PKBC). Nedašova Lhota, S slope of Maleník hill (61), sifting of litter, 30.i.2008, 1 ♀, O. Konvička lgt. (OKZC). Petřůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Sidonie, Sidonie NR (87), under bark of *Fagus sylvatica*, 2.viii.2006, 1 ♀, O. Konvička lgt.; 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 24.v.–16.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Uvezené NM (120), 7.ii.2009, sifting, 1 ♀, J. Ch. Vávra lgt. (OMOC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 2 ♂♂ 1 ♀, 12.v.–3.vi.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek

& J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** Mycophagous, associated with polyporous fungi (*Coriolus*, *Trametes*, *Oxyporus*, *Euraca*, etc.) on deciduous trees (*Betula*, *Populus*, *Acer*, *Alnus*, *Quercus*, *Fagus*, etc.), exceptionally on *Pinus*. Widespread, not rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Aradus (Aradus) ribauti* Wagner, 1956

**Published record.** KMENT *et al.* (2005): Hrubá Vrbka, village, on felled trunks (212).

**Additional material examined. MORAVIA:** Napajedla, Pěnné oxbow lake, Pahrbek recreation area (6871, N 49°09'21" E 17°30'40"), 28.iii.2012, 3 ♂♂, M. Straka lgt. (MSHC, NMPC). Uherské Hradiště, Kunovský les woodpark near (6970b, N 49°03'48.5" E 17°26'00.5"), floodplain forest, under bark of a tree, 15.iii.2008, 1 ♀, M. Tkoč lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one site in the southern part of the area. **General distribution:** West Eurosiberian. **Biology and habitat:** Mycophagous. Found on and under the loose bark of *Populus*, infested by fungi (e.g. *Pholiota*, *Funalia*, *Fomes*, *Pleurotus*, *Rigidoporus*) (STEHLÍK & HEISS 2001, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** Not evaluated.

**Comments.** For the Czech Republic previously recorded only from Hrubá Vrbka in the Bílé Karpaty PLA (KMENT *et al.* 2005). Here we present two additional records, including first males from the country.

#### *Aradus (Aradus) versicolor* Herrich-Schaeffer, 1835 (VU)

**Published record.** STEHLÍK & HEISS (2000): Strání, Důbrava hill (150).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected in the course of the recent survey. **General distribution:** West Eurosiberian, extending to Anatolia, Iran and Turkmenistan. **Biology and habitat:** Mycophagous, associated with polyporous fungi (*Coriolus*, *Trametes*, *Stereum*, *Polyporus*, *Funalia*) on deciduous trees (especially *Fagus*, also *Quercus*, *Betula*, *Salix*, *Populus*, and *Platanus*). Rare (STEHLÍK & HEISS 2000, HEISS & PÉRICART 2007, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

### Family LYGAEIDAE

#### *Kleidocerys resedae resedae* (Panzer, 1797)

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Starý Hrozenkov, Mikulčín vrch Mt. (160).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 3 ♂♂ 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 2 ♂♂ 4 ♀♀, I.

Malenovský & T. Vymyslický lgt., 1.vi.2002, 2 ♂♂ 4 ♀♀ 1 L5, I. Malenovský lgt., 17.viii.2006, 5 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC); 10.iv.2008, 1 ♂, O. Konvička lgt. (OKZC). Valašské Klobouky, Královec – Ploščiny ridge (43), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 28.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 14.viii.2006, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 28.vii.2005, 1 ♀, I. Malenovský lgt., 16.viii.2006, 9 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Nedašov, Kaňúr hill (56), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC); 12.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (MUBC, PKPC). Bylnice, railway station environs (83), 1.vii.1999, 3 ♀♀, P. Kment & M. Omesová lgt., 21.v.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 27 ♂♂ 54 ♀♀, 1.ix.2004, 55 ♂♂ 48 ♀♀, 5.x.2004, 41 ♂♂ 27 ♀♀, 28.v.2005, 6 ♂♂ 20 ♀♀, 28.vii.2005, 7 ♂♂ 5 ♀♀, 6.ix.2005, 25 ♂♂ 17 ♀♀, I. Malenovský lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 16.viii.2009, 7 ♂♂ 4 ♀♀, P. Baňaf lgt. et det. (MMBC). Horní Němčí, village (109), on *Betula* sp., 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 23.v.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Strání, village (147), on *Betula* sp., 10.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 2 ♂♂ 1 ♀, 21.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂, I. Malenovský lgt., 18.viii.2004, 1 ♂, P. Kment lgt., 25.ix.2004, 1 ♂ 1 ♀, 21.v.2005, 4 ♂♂ 1 ♀, 24.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂, 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Výškovce, Pod Hřibovnou NM (176), 25.ix.2004, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Výškovce, Ve Vlčí NR (177), 22.v.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Výškovce, Bošačky, cattle pasture (179), 27.vi.2004, 1 ♂, I. Malenovský lgt., 25.ix.2004, 2 ♂♂, 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, P. Kment observ.; 24.ix.–27.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Dolní Mlýn (195), on *Betula* sp., 11.vii.1998, P. Kment observ. Kněždub, Radějovka brook valley below Čertoryje (198), 17.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 14.ix.2004, 1 spec., M. Horsák lgt. (MHBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 5.–25.v.2010, Mt, 1 ♂, 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), on *Betula* sp., 13.vii.1998, 2 ♀♀, P. Kment lgt. (PKPC); 18.iv.2000, at church, 5 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 19.vi.2000, numerous spec., P. Kment observ. Velká nad Veličkou, Zahrady pod Hájem NNR (225), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Trnovský Mlýn, meadow (229), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀, P. Šmarda lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 6.v.2000, on *Betula* sp., 3 ♀♀, I. Malenovský lgt., 8.viii.2001, 1 ♀ P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 16.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, 22.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.ix.–21.x.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.v.2000, 1 ♂, I. Malenovský lgt. (PKPC); 5.–24.v.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 23.v.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 3 ♂♂ 3 ♀♀, 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Anatolia, and Central Asiatic. **Biology**

**and habitat:** On *Betula pendula* and *B. pubescens*, more rarely on *Alnus*, other deciduous trees or even conifers. Eurytopic and very common, including urban environments, sometimes occurring in masses and/or entering buildings (STEHLÍK & VAVŘINOVÁ 1997b, STEHLÍK 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

### *Lygaeus equestris* (Linnaeus, 1758)

**Material examined.** Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 2 ♂♂ 3 ♀♀, 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC); 26.vi.–14.vii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov (193), 27.ix.2000, 1 ♀, J. Strejček lgt., P. Kment det. (OBPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♀, P. Kment lgt., 18.iv.2000, 2 ♂♂, P. Kment & I. Malenovský lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 9.–10.ix.2000, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 17.ix.2004, 1 ♀, M. Horsák lgt. (MHBC); 8.iv.–12.v.2009, Mt, 2 ♂♂ 2 ♀♀, 2.–25.vi.2009, Mt, 1 ♀, 15.vii.–6.viii.2009, Mt, 2 ♂♂ 2 ♀♀, 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Confined to xerothermic habitats throughout the area, rare. **General distribution:** Holopalaeartic, extending to north-western India. **Biology and habitat:** On *Vincetoxicum hirundinaria* and *Adonis vernalis* in xerothermic localities, mostly dry grassland with scattered shrubs and trees, and along forest edges. Avoiding higher altitudes; generally quite common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### *Lygaeus simulans* Deckert, 1985

**Material examined.** Štítná nad Vlárí, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♂, O. Konvička lgt. (NMPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂ 1 ♀, P. Kment lgt. (PKBC); 26.vi.–14.vii.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, old cemetery (223), on *Juniperus sabina*, 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♂, P. Kment lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 2 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Confined to xerothermic habitats throughout the area, rare. **General distribution:** West Eurosiberian and Central Asiatic, extending to Mongolia and northern China. **Biology and habitat:** On *Vincetoxicum hirundinaria*, occurring in similar habitats as the preceding species, although being generally slightly less frequent (STEHLÍK & VAVŘINOVÁ 1997b). **Red List status:** –.

### *Nithecus jacobaeae* (Schilling, 1829)

**Published records.** STEHLÍK & VAVŘINOVÁ (1997b): Štítná nad Vlárí (towards Popov), surroundings of Havránkův potok brook (71); Sidonie (6974). KMENT & MALENOVSKÝ (2004): Nedašov, Jalovcová stráň NR (54); Strání, summit of Mt. Velká Javořina (270).

**Material examined.** Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♂ 2 ♀♀ (mi), P. Kment & I. Malenovský lgt., 24.viii.2002, 1 ♂ 3 ♀♀ (mi), 17.viii.2006, 1 ♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 2 ♂♂ 1 ♀ (mi), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54),

#### True bugs (Hemiptera: Heteroptera)

3.vii.1999, 1 ♀ (ma) 1 ♀ (br) 8 ♂♂ 8 ♀♀ (mi), P. Kment & I. Malenovský lgt. (MHBC, PKPC); 25.viii.2002, 1 ♀ (br), P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 2 ♀♀ (mi), I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ (mi), 28.vii.2005, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 18.viii.2004, 1 ♀ (mi), P. Kment lgt., 24.vii.2005, 1 ♂ (mi), I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 3.ix.2005, 1 ♀ (mi), P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀ (ma) 2 ♂♂ (mi), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 4 ♀♀ (mi), 8.viii.2007, 2 ♂♂ (mi), P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 24.vii.2005, 5 ♂♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 19.viii.2004, 1 ♂ (mi), 24.vii.2005, 2 ♂♂ (mi), P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♂♂ 3 ♀♀ (mi), P. Kment & I. Malenovský lgt., 21.viii.2002, 1 ♂ (mi), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the northern and central parts of the area, restricted to Mt. Velká Javořina in the south. **General distribution:** Eurosiberian. **Biology and habitat:** Polyphagous. Feeding on seeds of Asteraceae (*Senecio*, *Hieracium*), Brassicaceae, Caryophyllaceae, or Rosaceae (*Fragaria*). A mountain species avoiding warm lowlands, although it is considerably euryecious, occurring in peat bogs as well as on dry sunny slopes. Common in suitable habitats (STEHLÍK & VAVŘINOVÁ 1997b). **Red List status:** –.

#### *Nysius ericae ericae* (Schilling, 1829)

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Velká nad Veličkou (7171).

**Material examined.** Výškovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 2 ♀♀, P. Kment & I. Malenovský lgt., 27.vii.2000, 3 ♀♀, P. Kment lgt., 20.viii.–5.ix.2000, pt, 2 ♀♀, P. Bezděčka lgt. (PKPC). Hrubá Vrbka, village (212), 20.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the central and southern parts of the area, quite rare. **General distribution:** Holopalaearctic and Afrotropical. **Biology and habitat:** Polyphagous, feeding on fallen seeds (e.g. of Asteraceae and Brassicaceae). Widely distributed and common, preferring dry places with low and sparse vegetation, including ruderal sites (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

**Comments.** The identification of females is problematical; we used the morphometric characters of pronotum as given by WAGNER (1966).

#### *Nysius helveticus* (Herrich-Schaeffer, 1850)

**Material examined.** Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 1 ♀, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the central and southern parts of the area, rare. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** A polyphagous seed predator. Euryecious, often found on and

under *Potentilla* or *Calluna vulgaris*. Widespread, common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Nysius senecionis senecionis* (Schilling, 1829)

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Slavičín (6973).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, 14.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.vii.2000, 2 ♀♀, P. Kment & I. Malenovský lgt., 27.vii.2000, 2 ♂♂ 7 ♀♀, I. Malenovský lgt., 16.viii.2000, 1 ♂ 2 ♀♀, 2.v.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 28.vii.2001, 8 ♂♂ 8 ♀♀, I. Malenovský lgt., 20.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, village (212), light trap, 23.vii.2007, 1 ♂, J. Ch. Vávra lgt. (OMOC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 7.iv.–13.v.2009, Mt, 1 ♂, 17.ix.–21.x.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but rare in the north. **General distribution:** Holomediterranean, extending to western and central Europe, Central Asiatic, extending to Mongolia and Inner Mongolia, and Afrotropical. **Biology and habitat:** A polyphagous seed predator, with some preference for Asteraceae (*Senecio sylvaticus*, *S. viscosus*, *Artemisia*, *Matricaria*). Euryecious, although preferring dry habitats. Widespread, common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Nysius thymi thymi* (Wolff, 1804)

**Material examined.** Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in a single site in the southern part of the area. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** A polyphagous seed predator, preferring dry places with low and sparse vegetation, including ruderal sites. Widespread, common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

**Comments.** The identification of females is problematical, we used the morphometric characters of pronotum as given by WAGNER (1966).

#### *Orsillus depressus* (Mulsant et Rey, 1852)

**Published records.** KMENT (2006): Nedašov, Jalovcová stráň NR (54); Velká nad Veličkou, village (223).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holomediterranean, extending to western and central Europe (not native in northern areas), and Central Asiatic. **Biology and habitat:** An alien species

of a Mediterranean origin. On Cupressaceae: in central Europe almost exclusively on non-native ornamental species (especially *Thuja occidentalis*) in towns and villages (STEHLÍK & VAVŘINOVÁ 1997b, STEHLÍK 1998a). The single male collected on *Juniperus communis* in Jalovcová stráň NR (12.viii.2006) is the only record from a natural habitat in the Czech Republic (KMENT 2006). **Red List status:** –.

### ***Ortholomus punctipennis* (Herrich-Schaeffer, 1838)**

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Boršice [u Blatnice] (7071).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 1.ix.2004, 1 ♂, I. Malenovský lgt., 28.vii.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 13.viii.2001, 2 ♂♂, P. Kment lgt., 21.vii.2002, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂ 1 ♀, 8.viii.2007, 2 ♂♂ 1 ♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, 16.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 27.vii.2005, 4 ♂♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian, extending to Anatolia and Cyprus, and Central Asiatic. **Biology and habitat:** A polyphagous seed predator. Often found on and under *Potentilla*, preferring warm and sunny habitats, including ruderal vegetation. Widespread (avoiding mountain areas) and common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### ***Spilostethus saxatilis* (Scopoli, 1763)**

**Published records.** STEHLÍK & VAVŘINOVÁ (1997b): Luhačovice, spa (6872); Štítná nad Vláří (towards Popov), surroundings of Havránkův potok brook (71); Bylnice (6974); Kněždub, Čertoryje NNR (202); Javorník, Výzkum [hill] (258); Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráň NR (54); Kněždub, Čertoryje NNR (202); Strání, Záhumenice NM (266).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 3 ♂♂ (1 ♂ freshly hatched), P. Kment lgt. (PKPC); 3.–23.vi.2008, Mt, 1 ♀, 16.vii.–4.viii.2008, Mt, 1 ♀, 25.viii.–23.ix.2008, Mt, 1 ♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Brumov, Uhličky (44), 1.ix.2004, 1 ♂ 2 ♀♀, I. Malenovský lgt., 4.v.–3.vi.2005, pt, 1 ♂, K. Resl lgt., 28.vii.2005, 1 ♂, P. Kment lgt., 6.viii.–7.ix.2005, pt, 1 ♀, K. Resl lgt. 4.ix.2005, 13 ♂♂ 7 ♀♀, P. Kment lgt. (PKPC). Brumov, Uhličky and Kloboucká street (44, 76), 8.v.2004, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 14.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 23.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 3 ♀♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 2 ♂♂ 6 ♀♀, 1.ix.2004, 7 ♂♂ 8 ♀♀, 5.x.2004, 1 ♂, 28.v.2005, 9 ♂♂ 2 ♀♀, 6.ix.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (MUBC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt.,

17.vi.2006, 1 ♂ 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 3 ♂♂ 6 ♀♀, 6.ix.2005, 2 ♀♀ I. Malenovský lgt. (PKPC). Nedašova Lhota env. (60), 26.vi.1998, 1 ♀, V. Vrabc lgt. (VVKC). Štítina nad Vlárí, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 30.vi.2004, 5 ♂♂ 5 ♀♀, 28.v.2005, 1 ♂ 2 ♀♀, 5.x.2004, 1 ♂, I. Malenovský lgt., 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt., 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Na Kopanicách, meadow (90), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♂ 1 ♀, 1.ix.2004, 4 ♂♂ 2 ♀♀ 13 L, 5.x.2004, 2 ♂♂ 3 ♀♀, 28.v.2005, 4 ♂♂ 6 ♀♀, 6.ix.2005, 11 ♂♂ 15 ♀♀, I. Malenovský lgt. (PKPC). Hluk, Babi hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 5 ♂♂ 3 ♀♀, 16.viii.2009, many ♂♂ and ♀♀, P. Baňar lgt. et det. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 2 ♂♂ 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♀, P. Kment lgt., 10.ix.1998, 3 ♀♀, I. Malenovský & M. Omesová lgt., 30.vi.2001, 7 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♀ 8 L5 2 L4, 21.ix.2001, 1 ♂ 4 ♀♀, P. Kment lgt., 10.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂, O. Konvička lgt. (NMPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♂, 10.vii.1998, 1 ♂, P. Kment lgt., 10.ix.1998, 1 ♂ 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂ 3 ♀♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, 12.ix.–2.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, village (172), 6.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Výskovec, Pod Hřibovnou NM (176), 28.vi.2004, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., 25.ix.2004, 3 ♂♂ 1 ♀, 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Výskovecké Bošačky, cattle pasture (179), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Tvarožná Lhota, valley of Járkovec brook (201), 14.vii.1998, 1 spec., P. Kment observ. Kněždub, Čertoryje NNR (202), 8.ix.2000, 9 ♂♂ 4 ♀♀, I. Malenovský lgt., 22.vi.2001, 2 ♂♂ 8 ♀♀, 20.ix.2001, 7 ♂♂ 4 ♀♀, P. Kment lgt., 8.v.2002, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., 17.viii.2002, 15 ♂♂ 11 ♀♀ 31 L, 4.x.2002, 5 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 7.iv.–5.v.2010, Mt, 1 ♂, 12.viii.–9.ix.2010, Mt, 1 ♂, 9.ix.–22.x.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 200 m NW of the top (209), 13.ix.2004, 1 spec., M. Horsák lgt. (MHBC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC); 16.viii.2009, along road to Radějov, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, on *Taraxacum* sp., 1 ♂ 1 ♀ in copula, P. Kment observ., 13.vii.1998, 1 ♀, P. Kment lgt., 18.iv.2000, several specimens (2 ♂♂ 2 ♀♀ in copula; 1 ♂ in PKPC), P. Kment & I. Malenovský observ., 19.vi.2000, 1 ♀, 18.viii.2000, 1 ♂ 3 ♀♀, P. Kment lgt., 9.–10.ix.2000, 5 ♂♂ 9 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 17.ix.2004, 1 ♀, M. Horsák lgt. (MHBC); 30.vi.–1.vii.2008, 1 ♂, Z. Malinka lgt. (ZMOC); 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 1.ix.2005, 3 ♂♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 3 ♂♂ 3 ♀♀, 1.x.2004, 7 ♂♂ 3 ♀♀, 26.v.2005, 1 ♂ 2 ♀♀, 27.vii.2005, 2 ♂♂, 1.ix.2005, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂ 2 ♀♀, 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂ 4 ♀♀ (hundreds of spec. observed), P. Kment lgt., 10.ix.2000, 13 ♂♂ 8 ♀♀, 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♀, P. Kment & I. Malenovský lgt., 23.ix.2001, 4 ♂♂ 4 ♀♀, P. Kment lgt., 7.ix.2002, 7 ♂♂ 2 ♀♀, 2.ix.2004, 16 ♂♂ 9 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂ 1 ♀, 23.ix.2001, 2 ♂♂ 2 ♀♀ 1 L5, P. Kment lgt., 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt., 17.vii.2002, 1 ♀, 7.ix.2002, 5 ♂♂ 9 ♀♀, 23.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Vápenky,



#### True bugs (Hemiptera: Heteroptera)

Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 24.viii.1999, 1 ♂, M. Fikáček lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, 9.vii.1998, 1 ♀, P. Kment lgt., 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 2.–22.viii.2007, 1 ♂ 1 ♀ 2 L, 22.viii.–10.ix.2007, 3 ♂♂, 10.ix.–3.x.2007, 6 ♂♂ 7 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 L4, P. Kment lgt., 23.v.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♂, I. Malenovský lgt., 9.viii.2001, 2 ♂♂ 6 L5 3 L4, P. Kment lgt., 21.ix.2001, 10 ♂♂ 11 ♀♀, I. Malenovský lgt., 23.v.2002, 4 ♂♂ 8 ♀♀, P. Kment lgt., 12.ix.2002, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic, extending to northern India. **Biology and habitat:** A polyphagous phytophage. Euryecious, more frequent in humid and mesic localities in lowlands, while it prefers warmer and drier habitats at higher altitudes. Common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Tropidothorax leucopterus* (Goeze, 1778)

(CR)

**Published records.** KMENT *et al.* (2003): Radějov, Lučina [= Tvarožná Lhota, Horní Mlýn, Lučina reservoir] (199). KMENT *et al.* (2009): Radějov, “Horní hory” vineyard (7169), Radějov, “Žebrák” vineyard (7169).

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 15.vii.–6.viii.2009, Mt, 1 ♂, 14.ix.–20.x.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, confined to the most xerothermic sites in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic, extending to northern India. **Biology and habitat:** On Asclepiadoidea (Apocynaceae), in the Czech Republic on *Vincetoxicum hirsutum* and the non-indigenous *Asclepias syriaca* (KMENT *et al.* 2009a). **Red List status:** Critically endangered.

**Comments.** A xerothermic species, considered extinct in Moravia for nearly a century (STEHLÍK & VAVŘINOVÁ 1997b). It was rediscovered in 1990's and has spread in recent years, with established populations as far north as central Bohemia (KMENT *et al.* 2003, 2009a). In the light of recent findings, its Red List status as a critically endangered species (KMENT & VILÍMOVÁ 2006) is rendered obsolete.

### Family CYMIDAE

#### *Cymus aurescens* Distant, 1883

**Published records.** STEHLÍK & VAVŘINOVÁ (1997b): Brumov, Holý vrch hill and Na Tatrách (79); Sidonie, surrounding of the Vlárka brook and valley above the colony (92); Horní Němčí, Hornoněmčanský háj forest [= Drahý NR env.] (118). KMENT (2001): Kněždub, Čertoryje NNR (202). Record from Nedašova Lhota, swampy meadow 4.5 km NE of the village by STEHLÍK & VAVŘINOVÁ (1997b) concerns the area of Slovakia.

**Material examined.** Valašské Klobouky, Suchý vrch hill (24), 21.v.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt., 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský

lgt., 10.ix.1999, 1 ♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2002, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 30.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 7 ♂♂ 4 ♀♀, P. Kment & M. Omesová lgt. (PKPC). Suchov, Kazivec brook valley (116), 15.v.1998, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂, 9.–29.v.2007, Mt, 2 ♀♀, 29.v.–19.vi.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Lozky (168), 29.vi.2006, 1 ♂ 1 ♀, J. Ježek lgt. (NMPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt., 8.v.2000, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC); 8.–28.v.2007, Mt, 2 ♀♀, 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♀♀, 8.–28.v.2007, Mt, 1 ♂ 3 ♀♀, 28.v.–18.vi.2007, Mt, 4 ♂♂ 3 ♀♀, 18.vi.–9.vii.2007, Mt, 13 ♂♂ 12 ♀♀, 2.–22.viii.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area, although less frequent in the southern part. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Scirpus sylvaticus*, less frequently on *Schoenoplectus* and *Juncus inflexus* (LEDVINKA 1971, WACHMANN *et al.* 2007). Hygrophilous (in peat bogs, peaty and wet meadows, environs of streams and ponds, swamps, forest clearings), rarely collected in dry habitats. Common (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### *Cymus clavicularis* (Fallén, 1807)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 24.v.2001, 1 ♀, I. Malenovský lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂, I. Malenovský lgt., 2.v.2001, 2 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevěč NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, not collected elsewhere. **General distribution:** Holopalaeartic (except the Far East and China). **Biology and habitat:** On *Juncus* (*J. bufonius*, *J. compressus*, *J. squarrosus*), rarely on *Carex* (LEDVINKA 1971, WACHMANN *et al.* 2007). Euryecious and euryhygric, found in swampy meadows, but also on field roads and forest tracks, as well as in other places where early succession stages of vegetation render the host plants abundant. Not rare (LEDVINKA 1971, STEHLÍK & VAVŘINOVÁ 1997b). **Red List status:** –.

*Cymus glandicolor* Hahn, 1832

**Published records.** STEHLÍK & VAVŘINOVÁ (1997b): Nedašova Lhota (6874); Brumov (6974); Sidonie (6974); Horní Němčí (7071); Petrov (7169); Javorník (7171); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 17.viii.2006, 1 ♂ 8 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 13 ♂♂ 11 ♀♀, 3.vii.1999, 10 ♂♂ 9 ♀♀ (7 ♂♂ 6 ♀♀ freshly hatched), P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂ 1 ♀, P. Kment lgt., 30.vi.2004, 5 ♂♂ 2 ♀♀, 28.v.2005, 3 ♂♂ 1 ♀, 28.vii.2005, 4 ♂♂ 4 ♀♀, 16.vi.2006, 4 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀ (freshly hatched), P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Svatý Štěpán, Chladný vrch NM (93), 8.ix.–23.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♀ (freshly hatched), Z. Malinka lgt. (ZMOC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ 1 ♀, P. Baňar lgt. et det. (MMBC). Louka, Hloží NR (106), 24.iv.1999, 2 ♂♂ 6 ♀♀, M. Horsák lgt. (MHBC, MUBC, PKPC). Suchov, Kazivec brook valley (116), 15.v.1998, 2 ♀♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♂ 4 ♀♀, P. Kment lgt., 30.vi.2001, 6 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 23.v.2002, 5 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 8 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Březová, Kalábová NM (137), 4.vii.2001, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Březová, spring fen ca. 600 m SE below Studený vrch hill (138), 5.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 8.v.2004, 9 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Žabka reservoir (148), muddy bank at inflow, 16.v.1998, 2 ♀♀, 10.vii.1998, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Žitková (163), 11.vi.1999, 2 ♂♂, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.iv.2007, 1 ♂, O. Konvička lgt., 11.iv.–9.v.2007, Mt, 2 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 4 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 17.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 11.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 5 ♂♂ 4 ♀♀, 13.vii.1998, 1 ♀, P. Kment lgt. (PKPC); 18.iv.2000, 5 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC); 19.vi.2000, 5 ♂♂ 4 ♀♀, P. Kment lgt., 24.vii.2000, 2 ♀♀, I. Malenovský lgt., 18.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, 2.–25.vi.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, spring fen, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 4 ♂♂ 11 ♀♀, 19.vi.2000, 7 ♂♂ 1 ♀ (1 ♀ freshly hatched), I. Malenovský lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, railway station (237), 9.vii.1998, several spec., P. Kment observ. Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt., 9.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt., 8.v.2000, 6 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♂♂ 3 ♀♀, 8.–28.v.2007, Mt, 3 ♂♂ 2 ♀♀, 28.v.–18.vi.2007, Mt, 5 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 7.iv.–13.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On

*Carex*, rarely on *Juncus*, *Luzula* and *Scirpus sylvaticus* (LEDVINKA 1971, WACHMANN *et al.* 2007). Mostly hygrophilous, but also occurring in dry habitats with *Carex*. Common (STEHLÍK & VAVŘÍNOVÁ 1997b). **Red List status:** –.

### ***Cymus melanocephalus* Fieber, 1861**

**Published records.** STEHLÍK & VAVŘÍNOVÁ (1997b): Kněždub, Čertoryje NNR (202); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.1999, 4 ♂♂ 4 ♀♀, M. Horsák & P. Kment lgt., 9.ix.1999, 3 ♂♂ 6 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploštiny NR (42), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Návojná, Vrchy hill (45), 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♀, 1.ix.2004, 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 3 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.v.2005, 2 ♀♀, I. Malenovský lgt. (PKPC). Louka, Hloží NR (106), 24.iv.1999, 1 ♂, M. Horsák lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 2 ♀♀, 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 18.viii.2004, 1 ♀, P. Kment lgt., 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 2 ♀♀, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂ 3 ♀♀, 8.viii.2007, 1 ♂ 1 ♀, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 4 ♀♀, 8.viii.2007, 2 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), U Pomníčku, spring fen, 18.v.2002, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Radějov, Kútky NR (217), 8.ix.1998, 1 ♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC); 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, spring fen, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂ 2 ♀♀, 19.vi.2000, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 10.ix.1998, 1 ♂ 2 ♀♀, I. Malenovský & M. Omesová lgt., 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Mechnáčky NM (264), pool, 2.vi.2007, 1 ♂ 2 ♀♀, P. Komzák lgt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holomediterranean, extending to western and central Europe, and Central Asiatic. **Biology and habitat:** On *Juncus effusus*, *J. conglomeratus*, *J. gerardii*, and *J. inflexus*, rarely on Cyperaceae (LEDVINKA 1971, WACHMANN *et al.* 2007). Mostly hygrophilous, but also occurring in dry habitats with *Juncus*. Common (STEHLÍK & VAVŘÍNOVÁ 1997b). **Red List status:** –.

## **Family BLISSIDAE**

### ***Dimorphopterus spinolae* (Signoret, 1857)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Blatnička, Milejovské louky meadows (104), 16.viii.2009, 15 ♂♂ 13 ♀♀ (mi), P. Baňar lgt. et det. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.v.2002, 1 ♀ (sma), I. Malenovský

#### True bugs (Hemiptera: Heteroptera)

Igt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀ (mi), I. Malenovský & M. Omesová Igt., 20.viii.2002, 1 ♂ (sma), P. Kment Igt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 1 ♂ (ma) 1 ♀ (sma), P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 8.iv.–12.v.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & M. Macek Igt. (NMPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 1 ♂ (mi), I. Malenovský Igt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, not collected elsewhere. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** On *Calamagrostis epigejos*, less frequently on other Poaceae. In warm, dry to mesic open places with stands of the host plant. Quite rare (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Ischnodemus sabuleti* (Fallén, 1826)

**Material examined.** Lopeník, Lopenické sedlo saddle, cattle pasture (159), 21.v.2005, 1 ♀ (sma), I. Malenovský Igt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂ (ma), 9.–29.v.2007, Mt, 2 ♀♀ (sma), P. Chvojka, J. Ježek & J. Macek Igt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀ (sma), I. Malenovský Igt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 21.v.2005, 1 ♂ (sma), I. Malenovský Igt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ (ma), 18.v.2002, 1 ♂ (sma), I. Malenovský Igt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♀ (sma), P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Javorník, towards Vrbovce, Teplica brook (262), 4.v.2006, 1 ♀ (mi), P. Komzák Igt. (PKBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the central and southern parts of the area, missing in the north. **General distribution:** Holopalaeartic (except the Far East and China). **Biology and habitat:** On *Glyceria maxima*, less frequently on other grasses (*Glyceria*, *Phalaris*, *Phragmites*, etc.) and *Typha*. Hygrophilous, inhabiting the shores of both still and running water. Common, often occurring in masses (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### Family GEOCORIDAE

#### *Geocoris (Geocoris) dispar* (Waga, 1839)

**Material examined.** Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂ (br), P. Kment & I. Malenovský Igt. (PKPC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♂ (br), I. Malenovský Igt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický Igt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 1 ♂ (br), I. Malenovský Igt. (PKPC). Horní Němčí, Drahy NR (117), 21.vii.2002, 1 ♂ (br), I. Malenovský Igt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 3.ix.2004, 1 ♂ (br), I. Malenovský Igt. (PKPC). Kněždub, Čertoryje NNR (202), U Pomníčku, 27.vi.2002, 1 ♂ (br), I. Malenovský Igt., 1 ♂ (br), P. Kment Igt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 16.viii.2000, 1 ♂ (br), P. Kment Igt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský Igt., 16.viii.2000, 1 ♂ (br) 2 ♀♀ (ma), P. Kment Igt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂ (br), P. Kment & I. Malenovský Igt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 1 ♂ (br), I. Malenovský Igt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Eurosiberian. **Biology and habitat:** Zoophagous, although partly phytophagous. Epigeic and euryecious, in xerothermic as well as moist habitats (e.g. light forests, heathland, wet meadows, xerothermic grassland). Not rare (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### Family ARTHENEIDAE

#### *Chilacis typhae* (Perris, 1857)

**Material examined.** Valašské Klobouky, U Rybníků (38), on *Typha* sp., 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in a single swampy site in the northern part of the area. **General distribution:** European, extending to Transcaucasia, and Central Asiatic; introduced to North America. **Biology and habitat:** On *Typha angustifolia* and *T. latifolia*, feeding on seeds. On shores of ponds, in swamps, peat bogs, salt marshes and other habitats with its host plants, from lowlands to mountains. Widespread, not rare (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

### Family OXYCARENIDAE

#### *Macroplox preyssleri* (Fieber, 1837)

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Javorník, Výzkum [hill] (258).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♂, 1.ix.2004, 1 ♂, 5.x.2004, 1 ♀, 28.v.2005, 1 ♀, 28.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 21.ix.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area on xerothermic sites, rare. **General distribution:** West Eurosiberian, extending to Anatolia. **Biology and habitat:** On *Helianthemum* in xerothermic localities (dry grassland, pastures, species-rich meadows). Not rare (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Metopoplax origani* (Kolenati, 1845)

**Published record.** STEHLÍK & VAVŘINOVÁ (1997b): Slavičín, 200 m W of the village (69).

**Material examined.** Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 11.vii.2009, 2 ♂♂, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♀, 21.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 4 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♀, 27.vii.2000, 1 ♂, I. Malenovský lgt., 22.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.viii.–14.ix.2009, Mt, 2 ♂♂ 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 26.v.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 24.viii.–14.ix.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 24.v.2001, 2 ♂♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, forest (269), under bark of fallen stem, 3.vii.2001, 1 ♂ (torso), M. Horsák & P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** West Eurosiberian and Central Asiatic. **Biology and habitat:** On

Asteraceae, especially *Tripleurospermum inodorum*, in various dry localities from lowlands to mountains, often on ruderal vegetation. Common (STEHLÍK & VAVŘÍNOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### ***Oxycarenus (Euoxycarenus) pallens* (Herrich-Schaeffer, 1850)**

**Published records.** KMENT *et al.* (2006): Bylnice, Kloboucká, meadows [= Brumov, Uhličky] (44); Bošačky, U Kafků, cattle pasture [= Vyškovecké Bošačky, cattle pasture] (179).

**Material examined.** Blatnička, Milejovské louky meadows (104), 24.v.2009, 4 ♂♂ 6 ♀♀, 11.vii.2009, 4 ♂♂ 2 ♀♀, 16.viii.2009, 3 ♂♂ 11 ♀♀, P. Baňář lgt. et det. (MMBC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holopalaearctic (except northern areas), extending to India and Sudan. **Biology and habitat:** On Asteraceae, especially *Centaurea*, in open xerothermic habitats, including ruderal sites (STEHLÍK & VAVŘÍNOVÁ 1997b). **Red List status:** –.

**Comments.** Common in the Pannonicum in southern Moravia, spreading northwards (see STEHLÍK & VAVŘÍNOVÁ 1997b, KRIST & KMENT 2006) and even recently found in southern Bohemia (MÁČA 2006).

#### ***Oxycarenus (Oxycarenus) lavaterae* (Fabricius, 1787)**

**Published record.** KMENT *et al.* (2006): Petrov, village (184).

**Material examined.** Luhačovice, building of the Bílé Karpaty PLA Management (2), 20.viii.2008, 1 ♂, O. Konvička lgt. (OKZC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♀, 5.–26.viii.2008, Mt, 2 ♂♂ 4 ♀♀, 26.viii.–24.ix.2008, Mt, 1 ♂, 24.ix.–27.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected at three sites on the western border of the area. **General distribution:** West Mediterranean, an expansive species in central Europe and the Balkans. **Biology and habitat:** On Malvaceae *s. l.*, developing on *Tilia cordata* in conditions of central Europe and overwintering in conspicuous mass aggregation on southern faces of linden trunks. Recently spreading in central Europe, occurring mostly in towns and villages and their close environs (KMENT *et al.* 2006). **Red List status:** –.

**Comments.** In the Czech Republic recorded for the first time in Brno in 2004, subsequently documented as spreading in southern and central Moravia (KMENT *et al.* 2006, 2010; HRADIL *et al.* 2008); in 2009 also found in Bohemia: Praha (5952) and České Budějovice (7052) (KMENT *et al.* 2010).

#### ***Oxycarenus (Pseudoxycarenus) modestus* (Fallén, 1829)**

**Published record.** STEHLÍK & VAVŘÍNOVÁ (1997b): Radějov, surroundings of the Mandát brook (214).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected in the course of the recent survey. **General distribution:** West Eurosiberian, extending to

Anatolia. **Biology and habitat:** On *Alnus incana* and *A. glutinosa*, exceptionally on *Betula*. In humid places with alder stands, mainly in valleys along streams and rivers and around ponds. Widespread, but rare (STEHLÍK & VAVŘÍNOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

#### Family HETEROGASTRIDAE

##### *Heterogaster affinis* Herrich-Schaeffer, 1835 (VU)

**Material examined.** Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, 26.vi.–14.vii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 1 ♂, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with Malaise traps in one xerothermic site at the southern border of the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic. **Biology and habitat:** On Lamiaceae (*Thymus*, *Teucrium*, *Origanum*, *Calamintha*, etc.) in xerothermic localities, mostly on rocky substrates, rarely on sands. Rare, in Moravia confined to the Pannonicum (STEHLÍK & VAVŘÍNOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

##### *Heterogaster artemisiae* Schilling, 1829

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected at one site in the central part of the area. **General distribution:** Holomediterranean, extending to western and central Europe, and Central Asiatic, extending to north-western China. **Biology and habitat:** On and under *Thymus*, rarely collected on other plants, in xerothermic localities with sparse vegetation. Not rare (STEHLÍK & VAVŘÍNOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

##### *Heterogaster urticae* (Fabricius, 1775)

**Material examined.** Hrubá Vrbka, village (212), 15.ix.2004, oak trunks, under bark, 2 ♀♀, M. Straka lgt. (PKPC); 27.–29.vi.2008, 2 ♂♂ 1 ♀, Z. Malinka lgt. (NMPC, ZMOC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the southern part of the area, rare. **General distribution:** Holopalaeartic. **Biology and habitat:** On *Urtica*, mostly *U. dioica*. In sunny places or in mesophilous communities with nettles, often in ruderal sites. Widespread, not rare (STEHLÍK & VAVŘÍNOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

##### *Platyplax salviae* (Schilling, 1829)

**Published records.** HOBERLANDT (1944): Javorník (7171). STEHLÍK & VAVŘÍNOVÁ (1997b): Luhačovice, Luhačovická dolina valley (62); Bylnice (6974); Bylnice, Na Tatrách, Bylnický potok brook [= Bylničky,



True bugs (Hemiptera: Heteroptera)

Tarandové hill] (80); Petrov [as Pavlov u Radějova] (182); Radějov (7170); Javorník (7171); Nová Lhota (7171); Velká nad Veličkou (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 3 ♀♀, I. Malenovský lgt., 16.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀, 10.vii.2006, 1 ♂ 2 ♀♀, O. Konvička lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Lipov, Pešunk (100), 10.vii.2009, 1 ♂, Z. Malinka lgt. (ZMOC). Lopeník (152), 8.vi.1999, 1 ♂ 3 ♀♀, K. Hradil lgt. et det. (KHMC). Blatnička, Milejovské louky meadows (104), 11.vii.2009, 8 ♂♂ 2 ♀♀, 16.viii.2009, 11 ♂♂ 9 ♀♀, P. Baňář lgt. et det. (MMBC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, 9.–29.v.2007, Mt, 3 ♂♂ 2 ♀♀, 29.v.–19.vi.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 L, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂ 1 ♀, 26.vi.–14.vii.2008, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 4 ♀♀, 13.vii.1998, 1 ♀, P. Kment lgt. (PKPC); 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchové Mlýny, sheep pasture (226), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchové Mlýny, meadow (227), 23.vi.2004, 2 ♂♂ 3 ♀♀, 27.vii.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♀, 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♂, 15.vi.–9.vii.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in xerothermic localities throughout the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic, extending to western Siberia. **Biology and habitat:** On *Salvia*, mostly *S. pratensis*, but also *S. verticillata* and *S. nemorosa*, in xerothermic localities, such as dry grassland and species-rich meadows. Quite frequent (STEHLÍK & VAVŘINOVÁ 1997b, WACHMANN *et al.* 2007). **Red List status:** –.

## Family RHYPAROCHROMIDAE

### *Acompus rufipes* (Wolff, 1804)

(NT)

**Published records.** STEHLÍK & VAVŘINOVÁ (1998a): Kněždub (towards Tvarožná Lhota), springs on a slope (7170); Nová Lhota, near Fojtičky mill [= Fojtické Mlýny] (245). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR, meadow (48), vegetation along railway, on *Valeriana* cf. *officinalis*, 14.viii.2006, 2 L, P. Kment observ. Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♀ (br), 12.vii.2006, 2 ♂♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 7 ♂♂ 4 ♀♀ (br), P. Kment & I. Malenovský lgt. (JBSC, PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♀ (br), P. Kment lgt. (PKPC). Lopeník, Mechnáč (153), on *Valeriana* cf. *officinalis*, 18.viii.2004, 5 L, P. Kment observ. Petrov, Staré hory hill (186), on *Valeriana* cf. *officinalis*, 19.viii.2002, 1 ♀ (br), P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, on *Valeriana* cf. *officinalis*, 1 ♂ (br), P. Kment lgt. (PKPC). Trnovský Mlýn, along road to Suchové Mlýny (230), on *Valeriana* cf. *officinalis*, 16.viii.2004, 1 L, P. Kment observ. Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀ (br), I. Malenovský & M. Omesová lgt. (PKPC); 18.viii.2000, on *Valeriana officinalis*, 3 ♂♂ (br), P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂ 1 ♀ (ma) 2 ♂♂ 6 ♀♀ (br), P. Kment lgt., 8.v.2000, 1 ♀ (ma), I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area; a characteristic species of half-shaded places at forest margins, along hedges of shrubs in

meadows, in roadside ditches and along small streams. **General distribution:** Eurosiberian, extending to Maghreb, Anatolia and Iran. **Biology and habitat:** On *Valeriana* (*V. officinalis*, *V. dioica*, *V. sambucifolia*), preferring humid habitats – peat bogs, peaty and wet meadows, shores of ponds, swamps, banks of rivers and smaller streams, more rarely occurring in steppe-like habitats in proximity of water bodies (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

***Drymus (Sylvadrymus) brunneus brunneus* (R. F. Sahlberg, 1848)**

**Material examined.** Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 spec., I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 18.vi.–9.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holarctic (Eurosiberian, extending to Anatolia and Iran; Canada). **Biology and habitat:** Seed predator. Epigeic, the most hygrophilous of the Czech *Drymus* species. In shaded deciduous and coniferous forests (e.g. humid alluvial woodland), more rarely in open humid habitats as shores of ponds, peat bogs and wet meadows. Widespread, not rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Drymus (Sylvadrymus) ryeii* Douglas et Scott, 1865**

**Material examined.** Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Lopeník, U Zvonice NM (155), 16.iv.–20.v.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite rare. **General distribution:** West Eurosiberian, extending to Iran. **Biology and habitat:** Seed predator. Epigeic, euryecious, although preferring more humid and shaded habitats than *D. sylvaticus* (e.g. deciduous and floodplain forests, forest margins and clearings, peat bogs, peaty meadows, gardens, dry slopes). Common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Drymus (Sylvadrymus) sylvaticus* (Fabricius, 1775)**

**Published records.** STEHLÍK & VAVŘINOVÁ (1998a): Nedašova Lhota (6874); Bylnice (6974); Sidonie (6974). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Sidonie, Sidonie NR (87), 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 3 ♂♂, 5.x.2004, 3 ♂♂ 5 ♀♀, 28.v.2005, 1 ♂, 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC).

#### True bugs (Hemiptera: Heteroptera)

Suchov, Kazivec brook valley (116), 9.ix.1998, 5 ♂♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♂, M. Horsák & J. Horsáková lgt. (PKPC). Starý Hrozenkov, Bartoňové (132), 18.viii.2001, 1 ♀, M. Horsák lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 20.v.–25.vi.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 2 ♂♂, P. Bezděčka lgt., 5.v.2000, 1 ♀, 25.v.2000, 1 ♀, 27.vii.2000, 7 ♂♂ 2 ♀♀, I. Malenovský lgt., 22.x.2000, 1 ♀, P. Kment lgt., 2.v.2001, 25 ♂♂ 35 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 1 ♂, 18.v.2002, 1 ♂, I. Malenovský lgt., 17.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, 16.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 2 ♀♀, 10.ix.–3.x.2007, Mt, 1 ♂ 1 ♀, 3.–30.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♂, 21.ix.2001, 1 ♂, I. Malenovský lgt. (PKPC); 12.viii.–9.ix.2010, Mt, 1 ♂, 9.ix.–22.x.2010, Mt, 1 ♂ 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 15.vii.–6.viii.2009, Mt, 1 ♂ 1 ♀, 24.viii.–17.ix.2009, Mt, 1 ♂, 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** Seed predator. Epigeic, euryecious, although preferring more dry and open habitats than *D. ryeii* (e.g. peat bogs, forest clearings, sands, river valleys, salt marshes, heathland, dry grassland, and ruderal sites). Common (STEHLÍK & VAVŘÍNOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Emblethis denticollis* Horváth, 1878

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 20.viii.–5.ix.2000, pt, 8 ♂♂ 8 ♀♀, P. Bezděčka lgt., 28.vii.2001, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one site in the southern part of the area. **General distribution:** Holopalaeartic (except easternmost Asia). **Biology and habitat:** A polyphagous seed predator. Epigeic in xerothermic habitats, especially on sands and in ruderal sites. Common (STEHLÍK & VAVŘÍNOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Emblethis griseus* (Wolff, 1802)

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 20.viii.–5.ix.2000, pt, 8 ♂♂ 1 ♀, P. Bezděčka lgt., 28.vii.2001, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only in one site in the southern part of the area. **General distribution:** West Palaeartic. **Biology and habitat:** A seed predator. Epigeic, in xerothermic habitats in warm lowlands, especially in dry grassland and ruderal sites. Rare (STEHLÍK & VAVŘÍNOVÁ 1998b). **Red List status:** –.

***Eremocoris podagricus* (Fabricius, 1775)**

**Material examined.** Radějov, Mandát brook valley below Kútky NR (218), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♂, 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only with Malaise traps in the southern part of the area, rare. **General distribution:** North Mediterranean, extending to Maghreb, Anatolia and Transcaucasia. **Biology and habitat:** A seed predator. Epigeic, eurytopic, living among mosses and in litter in open or half-shaded, xerothermic as well as more humid habitats, such as forest margins, hedges, or under *Juniperus* shrubs. Not rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Gastrodes abietum* Bergroth, 1914**

**Material examined.** Poteč, Ploščiny NR (42), under scales of the bark of *Abies alba*, 12.iii.2006, 1 ♀, O. Konvička lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevěčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 17.ix.–21.x.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but quite rare. **General distribution:** Eurosiberian. **Biology and habitat:** On *Picea abies*, less frequently on *Larix decidua*, *Abies alba* and other conifers; associated with cones. Common, although preferring medium and higher altitudes (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Gastrodes grossipes grossipes* (De Geer, 1773)**

**Material examined.** Valašské Klobouky, Dobšená NM (31), 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Poteč, Ploščiny NR (42), 12.iii.2006, under scales of the bark of *Abies alba*, 2 ♀♀, O. Konvička lgt., 17.viii.2006, on *Pinus sylvestris*, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 5.x.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), on *Pinus sylvestris*, 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, on *Pinus sylvestris*, 1 ♂ 1 ♀ larvae, P. Kment lgt., (MHBC, PKPC); 19.vi.2000, 1 ♂ 4 ♀♀ (2 ♀♀ freshly hatched), P. Kment lgt., 9.–10.ix.2000, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevěčí NNR, left-side tributary of Velička river (241), 24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 17.ix.–21.x.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian, extending to Anatolia, Transcaucasia and Egypt. **Biology and habitat:** On *Pinus sylvestris* and other *Pinus* species, more rarely on other Pinaceae (especially *Larix decidua*); associated with cones. Common and eurytopic, occurring in all altitudes (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Graptopeltus lynceus* (Fabricius, 1775)**

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 19.vii.–17.viii.2003, pt, 1 ♀, K. Resl lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the southern part of the area, rare. **General distribution:** West Palaearctic. **Biology and habitat:** A seed predator. On and under Boraginaceae, more rarely on other plants. Epigeic, in dry and open warm localities (e.g. aeolian sands, sand pits, sunlit habitats on rocky substrates), missing in mountain regions. Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Lamprodema maurum* (Fabricius, 1803)**

**(VU)**

**Published record.** STEHLÍK & VAVŘINOVÁ (1998b): Radějov, Holý vrch hill (189).

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♂ (sma), I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two xerothermic sites in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic. **Biology and habitat:** A seed predator. Epigeic, in nutrient-rich or salty, open habitats; in Moravia mostly found in ruderal sites in warm lowlands (sand pits, devastated fragments of aeolian sands, quarries), less frequently in natural habitats (dry grassland). Rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

***Lasiosomus enervis* (Herrich-Schaeffer, 1835)**

**(VU)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Pitín (72), 20.vii.1957, 1 ♀, Ondřej lgt. (MMBC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀, 22.viii.–10.ix.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European, extending to Transcaucasia. **Biology and habitat:** Probably a seed predator, once collected under the bottom leaves of *Symphytum*. At medium and higher altitudes, mainly in valleys along streams, in peat bogs, peaty and wet meadows, and forest clearings. Rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

***Megalonotus antennatus* (Schilling, 1829)**

**(VU)**

**Material examined.** Brumov, Uhličky (44), 4.vii.–6.viii.2005, 1 ♀ (br), K. Resl lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 26.x.2007, 1 ♀ (br), J. Vávra lgt. (OMOC). Nedašov, Kaňoury NM (55), 17.vi.2006,

1 ♀ (br), I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀ (br), 5.x.2004, 2 ♂♂ 1 ♀ (br; 1 ♂ freshly hatched), 28.v.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 22.v.–22.vi.2003, pt, 1 ♀ (br), K. Resl lgt. (PKPC). Lopeník, U Zvonice NM (155), 20.v.–25.vi.2005, pt, 1 ♂ (br), 26.vii.–26.viii.2005, pt, 1 ♂ (br) 2 L5, K. Resl lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.ix.2001, 1 ♀ (br), 15.v.–17.vi.2003, pt, 1 ♀ (br), K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, quite rare; a characteristic species for species-rich meadows communities. **General distribution:** Eurosiberian, extending to Transcaucasia. **Biology and habitat:** A seed predator. Epigeic, euryecious, found in open as well as shaded habitats regardless humidity and substrate (e.g. peat bogs, meadows, heathland, sunlit slopes with rocky substrate). Rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

### *Megalonotus chiragra* (Fabricius, 1794)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♀, P. Kment lgt., 21.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 22.vi.–24.vii.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.2007, 1 ♀, O. Konvička lgt., 11.–31.vii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, 14.vii.–5.viii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 3.iv.–6.v.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 4.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 22.v.–22.vi.2003, pt, 1 ♂, 22.vi.–24.vii.2003, pt, 3 ♀♀, 24.vii.–22.viii.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Strání, Záhumenice NM (266), 22.viii.–27.ix.2003, pt, 1 ♂ 3 ♀♀, K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the central and southern parts of the area, not found in the north. **General distribution:** Holopalaearctic (except easternmost Asia). **Biology and habitat:** A seed predator. Epigeic, euryecious, preferring dry habitats (e.g. on sands, at forest margins and clearings, in river valleys, gardens and orchards, pastures, dry grassland, and ruderal vegetation). Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

### *Megalonotus sabulicola* (Thomson, 1870)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 21.viii.–12.ix.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 4 ♂♂ 7 ♀♀, 14.vii.–5.viii.2008, Mt, 2 ♂♂ 3 ♀♀, 5.–26.viii.2008, Mt, 2 ♂♂, 26.viii.–24.ix.2008, Mt, 3 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 1 ♀, P. Bezděčka lgt., 27.vii.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 2.v.2001, 1 ♂, I. Malenovský lgt., 28.vii.2001, 4 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 24.ix.2000, 1 ♀, J. Strejček lgt. (OBPC); 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 22.viii.–10.ix.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J.

Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), 17.vi.–19.vii.2003, pt, 1 ♀, K. Resl lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 24.viii.–14.ix.2009, Mt, 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** A seed predator. Epigeic, euryecious, preferring dry and sunny places. Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

### *Pachybrachius luridus* Hahn, 1826

(VU)

**Material examined.** Březová, Kalábová NM (137), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one spring fen in the central part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** On various Cyperaceae (*Eriophorum*, *Trichophorum*, *Rhynchospora*, *Carex*), also found on *Symphytum*. Epigeic, often dwelling in moss; in peat bogs, peaty meadows, more rarely in swamps and humid meadows. Rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

**Comments.** *Pachybrachius luridus* occurs in Moravia mostly at medium and higher altitudes. It had not been recorded from the Moravian Carpathians (see STEHLÍK & VAVŘINOVÁ 1998b) until ROHÁČOVÁ (2003a, 2005, 2011) collected it in three localities in the Moravskoslezské Beskydy Mts.

### *Peritrechus geniculatus* (Hahn, 1832)

**Published records.** STEHLÍK & VAVŘINOVÁ (1998b): Horní Němčí (7071); Strání (70–7172); Kněždub (7170); Javorník (7171); Velká nad Veličkou (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploštiny NR (42), 24.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 3 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 16.viii.2009, 1 ♂ 1 ♀, P. Baňar lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 21.v.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 21.v.2005, 1 ♂, I. Malenovský lgt., 26.vi.–26.vii.2005, pt, 1 ♀, 26.viii.–28.ix.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 13 ♂♂ 14 ♀♀, 9.–29.v.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Výškovce Bošacký, cattle pasture (179), 27.vi.2004, 1 ♀, 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 17.viii.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 1 ♀, P. Bezděčka lgt., 5.v.2000, 1 ♂, 25.v.2000, 1 ♀, I. Malenovský lgt., 4.viii.2000, 4 ♂♂ 1 ♀, 16.viii.2000, 3 ♀♀, P. Kment lgt., 2.v.2001, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♀, J. Ch. Vávra lgt. (OMOC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchové Mlýny, sheep pasture (226), 6.viii.–8.ix.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Suchové Mlýny, meadow (227), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 26.v.2005, 1 ♂, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevě NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 2 ♂♂, P. Kment lgt., 10.ix.2000, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek &

J. Macek lgt. (NMPC). Javorník, railway station (237), in front of waiting cabine, 9.vii.1998, 1 ♀, P. Kment observ. Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., 23.ix.2001, 1 ♂, P. Kment lgt., 15.v.–17.vi.2003, pt, 1 ♀, K. Resl lgt., 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt., 15.v.–17.vi.2003, pt, 1 ♂, 17.vi.–19.vii.2003, pt, 1 ♀, K. Resl lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 16.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 22.vi.–24.vii.2003, pt, 3 ♀♀, K. Resl lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 5 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area, although it is quite rare in its northern part. **General distribution:** West Palaearctic. **Biology and habitat:** A seed predator. Epigeic, euryecious, found in floodplain forests as well as on dry slopes. Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

*Peritrechus gracilicornis* Puton, 1877

(EN)

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 4.x.2002, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two xerothermic localities in the southern part of the area. **General distribution:** Holomediterranean, extending to western and central Europe, and Central Asiatic. **Biology and habitat:** A seed predator. Epigeic, inhabiting xerothermic, open habitats with low and patchy vegetation without preference for a particular substrate (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Endangered.

**Comments.** Very rare in Moravia, found only in three localities in the Pannonicum: Brno (Žlutý kopec hill, 6865) (STEHLÍK 1963), Mohelno (6863) (ROUBAL 1968), and Nový Přerov (Přerovský vrch hill, 7165) (STEHLÍK & VAVŘINOVÁ 1998b).

*Peritrechus nubilus* (Fallén, 1807)

(NT)

**Material examined.** Louka, Hloží NR (106), 24.iv.1999, 1 ♀, M. Horsák lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC); 2.v.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (KHMC, PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two sites in the southern part of the area. **General distribution:** West Palaearctic. **Biology and habitat:** A seed predator. Epigeic; euryecious, preferring more humid habitats (e.g. humid meadows and salt marshes) but found on sunny slopes on rocky substrates as well. Quite rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.



***Plinthisus (Plinthisomus) pusillus* (Scholz, 1847) (NT)**

**Material examined.** Nedašov, Jalovcová stráň NR (54), sifting of litter, 17.i.2008, 1 ♂ (br), O. Konvička lgt. (OKZC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 6.xii.2008, 1 ♀ (br), E. Ezer lgt. (EEZC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** A seed predator. Epigeic, in open xerothermic localities in lowlands as well as in hilly landscapes (e.g. on sands and in heathland). Quite rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

***Plinthisus (Plinthisus) brevipennis* (Latreille, 1807)**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 16.viii.2006, 1 ♀ (ma), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one locality in the northern part of the area. **General distribution:** West Palaearctic. **Biology and habitat:** A seed predator. An epigeic, thermophilous species inhabiting open deciduous as well as coniferous forests, and forest margins, mostly avoiding open habitats. Quite rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Pterotmetus staphyliniformis* (Schilling, 1829)**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 5.x.2004, 1 ♂ (ma), 28.vii.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 2 ♀♀ (sma) 1 ♀ (br), P. Kment lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 1 ♀ (br), I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 L, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀ (sma), P. Kment & I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♀ (br), O. Konvička lgt. (NMPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 3 ♀♀ (br), 8.viii.2007, 1 ♂ (br), 22.ix.2007, 1 ♂ (br), P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 1 ♀ (sma), P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, 16.viii.2000, 2 ♀♀, P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂ (sma) 1 ♂ 1 ♀ (br), 27.vii.2005, 1 ♂ (sma) 1 ♂ (br) 2 L, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 1 ♂ (sma), P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian and Central Asiatic. **Biology and habitat:** A seed predator. Epigeic; mostly in sunny and warm open habitats, e.g. species-rich meadows, dry grassland on rocks, and ruderal sites. Not rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Raglius alboacuminatus alboacuminatus* (Goeze, 1778)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrov, Staré hory hill (186), under bark of tree, 19.viii.2002, 1 ♀ (ma), P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂ (br), M. Horsák lgt., 30.viii.2005, *Quercetum pubescentis*

and vineyards, 1 ♀ (ma), M. Horsák lgt. (PKBC); 4.–26.vi.2008, Mt, 1 ♂ (ma), 26.vi.–14.vii.2008, Mt, 1 ♂ (ma), 14.vii.–5.viii.2008, Mt, 2 ♂♂ (ma), 5.–26.viii.2008, Mt, 1 ♀ (ma), 26.viii.–24.ix.2008, Mt, 1 ♂ 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♀ (ma), I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), under stone, 17.iv.2000, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 1 ♀ (ma), Z. Malinka lgt. (ZMOC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, under bark of *Prunus domestica*, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC); 24.viii.–14.ix.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area. **General distribution:** West Palaearctic, introduced to North America. **Biology and habitat:** A seed predator. Epigeic, euryecious, although preferring dry to mesic localities, including forest clearings and ruderal sites. Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

### *Raglius confusus* (Reuter, 1886)

(NT)

**Material examined.** Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 1 ♂ 6 ♀♀, 26.viii.–24.ix.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with Malaise trap in one xerothermic site at the southern border of the area. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** A seed predator. Epigeic, on xerothermic, stony habitats on various substrates. Very rare in Moravia, confined to the Pannonicum (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

### *Rhyparochromus pini* (Linnaeus, 1758)

**Published record.** STEHLÍK & VAVŘINOVÁ (1998b): Bylnice (6974).

**Material examined.** Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♂, P. Kment lgt., 18.iv.–22.v.2003, pt, 1 ♀, 22.vi.–24.viii.2003, pt, 1 ♀, 24.vii.–22.viii.2003, pt, 1 ♂ 1 ♀, 22.viii.–27.ix.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 2 ♀♀, P. Bezděčka lgt., 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 22.x.2000, in litter under demolition rubble, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 6.viii.–8.ix.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 19.vii.–17.viii.2003, pt, 1 ♂, K. Resl lgt.; 2.ix.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 22.vi.–24.vii.2003, pt, 1 ♂, K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the central and southern parts of the area. **General distribution:** Holopalaearctic. **Biology and habitat:** A seed predator. Epigeic, euryecious; occurring also in ruderal sites. Very common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Rhyparochromus vulgaris* (Schilling, 1829)**

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 4 ♂♂, 25.viii.–23.ix.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nedašov, Jalovcová stráň NR (54), 28.iii.2006, 1 ♂, O. Konvička lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC); 14.vii.–5.viii.2008, Mt, 3 ♂♂ 3 ♀♀, 5.–26.viii.2008, Mt, 13 ♂♂ 15 ♀♀, 26.viii.–24.ix.2008, Mt, 15 ♂♂ 10 ♀♀, 24.ix.–27.x.2008, Mt, 10 ♂♂ 9 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Radějovka brook valley below Čertoryje (198), 17.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 1 ♂, P. Bezděčka lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.viii.–14.ix.2009, Mt, 2 ♂♂ 1 ♀, 14.ix.–20.x.2009, Mt, 5 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 24.viii.–14.ix.2009, Mt, 2 ♂♂, 14.ix.–22.x.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♀, Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** European and Ponto-Mediterranean (from Israel to Transcaucasia and Turkmenistan); introduced to the USA. **Biology and habitat:** A seed predator. Epigeic, euryecious, occurring also in ruderal sites and often entering buildings to overwinter. Very common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Scolopostethus affinis* (Schilling, 1829)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ (ma), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 7.iv.–5.v.2010, Mt, 1 ♀ (ma), P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Vojšické louky meadows (207), under vegetation on shores of a brooklet, 17.iv.2000, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 2 ♀♀ (ma), I. Malenovský lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.iv.2000, 2 ♀♀ (ma), P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 2 ♀♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♂ (ma), 15.vi.–13.vii.2010, Mt, 1 ♂ (ma), P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the southern part of the area. **General distribution:** West Eurosiberian, extending to the Near East, and Central Asiatic. **Biology and habitat:** A seed predator (with some preference for *Urtica*). Epigeic, euryecious, generally preferring nutrient-rich habitats. Common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Scolopostethus decoratus* (Hahn, 1833)**

**Material examined.** Svatý Štěpán, Chladný vrch NM (93), 6.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 7.iv.–5.v.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (KHMC, PKPC). Javorník, Jazevčí NNR (232), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek

& J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.ix.–21.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, rare. **General distribution:** West Palaearctic. **Biology and habitat:** A seed predator, often associated with *Calluna*, *Erica*, and *Vaccinium*. Epigeic, euryecious, often collected in gardens, parks, on dry rocky slopes and in heathland. Quite rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Scolopostethus grandis* Horváth, 1880

**Material examined.** Nová Lhota, Vápenky, left-side tributary of Velička river (252), 22.vi.–15.vii.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only with Malaise traps in the southern part of the area, rare. **General distribution:** European, extending to Cyprus. **Biology and habitat:** A seed predator. In leaf litter and under moss in forests, at forest margins, hedges, bases of trees, in dry to humid conditions. Rare (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

**Comments.** In Moravia known from only two sites in the south: a dry grassland and an abandoned orchard in Těšánky (towards Zdounky, 6769) and the cemetery in Vranov u Brna (6665) (STEHLÍK & VAVŘINOVÁ 1998a).

#### *Scolopostethus puberulus* Horváth, 1887

(EN)

**Material examined.** Březová, Kalábová NM (137), 4.vii.2001, 1 ♀ (sma), P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♂ (ma), 28.v.–18.vi.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the central and southern parts of the area, rare. **General distribution:** European. **Biology and habitat:** A seed predator. Epigeic, euryecious, with preference to humid environments (e.g. in wet *Sphagnum*), although found in moss on dry places under leaf litter as well (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** Endangered.

**Comments.** Very rare in Moravia, known only from the warmest southern part of the region (STEHLÍK & VAVŘINOVÁ 1998a).

#### *Scolopostethus thomsoni* Reuter, 1875

**Published records.** STEHLÍK & VAVŘINOVÁ (1998a): Slavičín (6973); Brumov – Bylnice (6974); Horní Němčí (7071); Radějov (7170).

**Material examined.** Luhačovice, forest along Štávnice river (3), sifting of moss, 10.xi.2011, 3 ♀♀ (br), M. Mantič lgt. (MMHC). Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀ (ma), P. Kment lgt. (PKPC). Valašské Klobouky, Suchý vrch hill (24), in litter, 21.v.1999, 1 ♂ 2 ♀♀ (br), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ (ma) 3 ♀♀ (br), P. Kment & I. Malenovský lgt.

#### True bugs (Hemiptera: Heteroptera)

(PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂ (ma), P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 2 ♀♀ (br), P. Kment & I. Malenovský lgt., 24.viii.2002, 1 ♂ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀ (br), P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 2 ♀♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 2 ♂♂ (br), P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 2 ♂♂ (br), 1.ix.2004, 1 ♂ 1 ♀ (br), I. Malenovský lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♂ (ma) 1 ♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ (br), P. Baňář lgt. et det. (MMBC). Louka, Hloží NR (106), 24.iv.1999, 4 ♂♂ 2 ♀♀ (br), M. Horsák lgt. (MUBC, PKPC). Komňa, Lom Rasová NM (128), 9.iv.2000, 1 ♀ (br), M. Horsák lgt. (PKPC). Lopeník, U Zvonice NM (155), 24.vii.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Lopeník, Hrubý Mechnáč (157), 29.iv.2000, 1 ♂ 1 ♀ (br), M. Horsák lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 27.vi.2004, 1 ♂ (br), I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂ (br), I. Malenovský lgt. (PKPC). Výškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♀ (br), I. Malenovský lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀ (ma), I. Malenovský lgt. (PKPC). Radějov, Dolní Mlýn (195), 11.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♂ 1 ♀ (br), 17.viii.2000, 1 ♂ (ma) 1 ♂ 3 ♀♀ (br), P. Kment lgt. (PKPC). Malá Vrbka, Vojšické louky meadows (207), 17.iv.2000, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♀ (ma), I. Malenovský lgt., 2.v.2001, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 7.iv.–5.v.2010, Mt, 1 ♀ (ma), P. Chvojka & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂ (br), 19.vi.2000, 1 ♀ (ma), I. Malenovský lgt., 18.viii.2000, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 16.ix.–22.x.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky / Strání, Mt. Velká Javořina (255), forest, 12.vii.1998, 1 ♂ (br), M. Horsák lgt. & J. Nerudová (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂ 1 ♀ (ma), P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀ (br), P. Kment lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♀ (ma), 8.–28.v.2007, Mt, 2 ♀♀ (ma), 28.v.–18.vi.2007, Mt, 1 ♂ (ma), 18.vi.–9.vii.2007, Mt, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 3 ♀♀ (ma), P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀ (ma), 8.–28.v.2007, Mt, 1 ♂ 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 7.iv.–5.v.2010, Mt, 1 ♂ 1 ♀ (ma), P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** A seed predator; usually found on *Urtica dioica* or under it in litter. Euryecious, e.g. in forest clearings, at forest margins and in ruderal sites. Very common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Sphragisticus nebulosus* (Fallén, 1807)

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 16.xi.1999–4.iii.2000, pt, 1 ♂, 4.iii.–8.iv.2000, pt, 2 ♀♀, 8.iv.–5.v.2000, pt, 41 ♂♂ 28 ♀♀ (1 couple in copula), P. Bezděčka lgt., 25.v.2000, 1 ♀, P. Kment lgt., 27.vii.2000, 2 ♂♂ 8 ♀♀, P. Kment & I. Malenovský lgt., 4.viii.2000, 1 ♂ 2 ♀♀, 16.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., 20.viii.–5.ix.2000, pt, 25 ♂♂ 27 ♀♀ 6 L5, P. Bezděčka lgt., 2.v.2001, 1 ♀, I. Malenovský lgt., 28.vii.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 27.vi.2002, 1 ♀, I. Malenovský

Igt. (PKPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek Igt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in three sites in the southern part of the area, rare. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** A seed predator. Epigeic, in sunny and dry habitats, especially on sands and in ruderal vegetation along roads, in fields and at forest margins. Common (STEHLÍK & VAVŘÍNOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Stygnocoris cimbricus* (Gredler, 1870)**

(NT)

= *Stygnocoris pygmaeus* auct., nec R. F. Sahlberg, 1848

**Material examined.** Nedašov, Jalovcová stráň NR (54), 1.ix.2004, 3 ♀♀, I. Malenovský Igt., 16.viii.2006, 3 ♂♂ 2 ♀♀, P. Kment Igt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one site in the northern part of the area. **General distribution:** Eurosiberian, extending to Anatolia. **Biology and habitat:** A seed predator. Epigeic, euryecious, preferring dry to wet heathland with *Calluna*, *Erica* or *Vaccinium*, but mostly found in plant detritus in sunny habitats without any Ericaceae plants in southern Moravia. Quite rare (STEHLÍK & VAVŘÍNOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

**Comments.** Until recently, *S. cimbricus* has been incorrectly referred to as *S. pygmaeus* (F. Sahlber, 1848) in the literature (see STEHLÍK & VAVŘÍNOVÁ 1998a).

***Stygnocoris fuliginus* (Geoffroy, 1785)**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♂, P. Kment & I. Malenovský Igt. (PKPC). Horní Němčí, Drahy NR (117), 24.vii.–22.viii.2003, pt, 1 ♀, K. Resl Igt. (PKPC). Horní Němčí, Vinohrádky (121), 22.v.–22.vi.2003, pt, 2 ♂♂, K. Resl Igt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♂, 2.v.2001, 3 ♀♀, I. Malenovský Igt., 28.vii.2001, 2 ♂♂, P. Kment Igt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, P. Kment Igt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** European and Holomediterranean. **Biology and habitat:** A seed predator. Epigeic, euryecious, in open and half-shaded, quite dry habitats. Common (STEHLÍK & VAVŘÍNOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Stygnocoris rusticus* (Fallén, 1807)**

**Published records.** STEHLÍK & VAVŘÍNOVÁ (1998a): Valašské Klobouky (6874); Slavičín (6973); Bylnice (6974); Sidonie (6974). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 13.–16.viii.2007, ypt, 1 ♂ (br), J. Ježek Igt. (NMPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ 2 ♀♀ (br), I. Malenovský & T. Vymyslický Igt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ 1 ♀ (ma) 1 ♂ (br), I. Malenovský Igt. (PKPC). Suchoy, Kazivec brook valley (116), 9.ix.1998, 1 ♂ (ma), I. Malenovský & M. Omesová Igt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, 1 ♂ (br) 2 ♀♀ (ma), P. Kment Igt. (PKPC). Horní Němčí, Vinohrádky (121), 22.vi.–24.vii.2003, pt, 1 ♂ (br), K. Resl Igt. (PKPC). Březová,

#### True bugs (Hemiptera: Heteroptera)

Cestiska NM (136), 2.x.2007, 2 ♀♀ (br), O. Konvička lgt. (NMPC). Lopeník, U Zvonice NM (155), 26.vi.–26.vii.2005, pt, 1 ♂ 1 ♀ (br), K. Resl lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♀ (br), I. Malenovský lgt., 26.vi.–26.vii.2005, pt, 1 ♀ (ma), 26.vii.–26.viii.2005, pt, 1 ♂ (ma) 1 ♀ (br), 26.viii.–28.ix.2005, pt, 1 ♀ (br), K. Resl lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♀ (br), P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 3.ix.2005, 1 ♂ 2 ♀♀ (br, 1 ♂ 1 ♀ in copula) 1 ♀ (ma), I. Malenovský lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 3.ix.2005, 1 ♂ (br), I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 4.x.2002, 1 ♂ (br), P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀ (br), P. Kment lgt., 28.vii.2001, 1 ♀ (ma), P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.viii.2000, 1 ♀ (br), P. Kment lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 6.viii.–8.ix.2005, pt, 1 ♀ (ma), K. Resl lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♀ (br), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, railway station (237), 10.ix.1998, ♂ (br), I. Malenovský & M. Omesová lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.ix.2001, 1 ♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Javorník, Machová NR (259), 9.vii.–2.viii.2007, Mt, 1 ♀ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♀ (ma), 2.–22.viii.2007, 1 ♂ (ma), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 1 ♀ (ma) 1 ♂ 3 ♀♀ (br), I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 20.vii.2002, 1 ♀ (br), I. Malenovský lgt., 22.viii.–27.ix.2003, pt, 1 ♂ 1 ♀ (br), K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** A seed predator. Epigeic, euryecious, in open and half-shaded habitats, tolerant of dry or humid conditions. Common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Stygnocoris sabulosus* (Schilling, 1829)

**Published records.** STEHLÍK & VAVŘINOVÁ (1998a): Bylnice (6974); Sidonie (6974). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploščiny NR (42), 24.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 1.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ 3 ♀♀, 5.x.2004, 7 ♀♀, 6.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 26.viii.–28.ix.2005, pt, 2 ♂♂, K. Resl lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR (202), 20.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Strání, Javorina NNR, meadow (270), 6.–24.viii.2009, Mt, 2 ♂♂, 24.viii.–17.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holarctic (Holopalaearctic and Nearctic). **Biology and habitat:** A seed predator. Epigeic, euryecious, in open and slightly shaded habitats, dry to humid. Common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Taphropeltus hamulatus* (Thomson, 1870)**

**Published record.** STEHLÍK & VAVŘINOVÁ (1998a): Luhačovice (68–6972).

**Material examined.** Louka, Hloží NR (106), 24.iv.1999, 1 ♂, M. Horsák lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 27.vii.2000, 1 ♂ 3 ♀♀, I. Malenovský lgt. (KHMC, PKPC); 2.v.2001, 1 ♂ 6 ♀♀, 22.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 2.v.2001, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (KHMC, PKPC); 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 24.v.2001, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in the southern part of the area, rare elsewhere. **General distribution:** European, extending to Anatolia, Transcaucasia and Israel. **Biology and habitat:** A seed predator. Epigeic, euryecious, with preference to relatively humid habitats covered with trees. Common (STEHLÍK & VAVŘINOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

***Trapezonotus (Gnopherus) anorus* (Flor, 1860)**

**Material examined.** Suchovské Mlýny, sheep pasture (226), 3.iv.–6.v.2005, pt, 5 ♂♂ 1 ♀ (br), 6.v.–4.vi.2005, pt, 2 ♀♀ (br), K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with pitfall traps in one site in the southern part of the area. **General distribution:** Eurosiberian. **Biology and habitat:** A seed predator. Epigeic, in dry to humid, open to partly shaded habitats on various substrates (sands, heathland, peat bogs, pine forests). A boreo-montane species preferring medium and high altitudes, generally rare (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Trapezonotus (Trapezonotus) arenarius arenarius* (Linnaeus, 1758)**

**Material examined.** Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.ix.–20.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only with Malaise traps at two sites in the southern part of the area. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** A seed predator. Epigeic, on xerothermic, sandy, open to half-shaded habitats, including ruderal sites. Common (STEHLÍK & VAVŘINOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.



***Trapezonotus (Trapezonotus) dispar dispar* Stål, 1872**

**Material examined.** Nedašov, Jalovcová stráň NR (54), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only at one site in the northern part of the area. **General distribution:** West Eurosiberian, extending to Maghreb, Anatolia and Transcaucasia. **Biology and habitat:** A seed predator. Epigeic, in leaf litter at forest margins, in clearings and open woodland, more rarely also in sand pits, river valleys and on grassy slopes, from lowlands to mountains. Common (STEHLÍK & VAVŘÍNOVÁ 1998b, WACHMANN *et al.* 2007). **Red List status:** –.

***Tropistethus holosericeus* (Scholz, 1846)**

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 5.–26.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♂, 16.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected in the central and southern parts of the area, quite rare. **General distribution:** West Eurosiberian, extending to Anatolia, Transcaucasia and Kazakhstan. **Biology and habitat:** A seed predator. Epigeic, in xerothermic localities on various substrates, in lowlands as well as hilly landscapes. Quite rare (STEHLÍK & VAVŘÍNOVÁ 1998a, WACHMANN *et al.* 2007). **Red List status:** –.

**Family PIESMATIDAE**

***Piesma maculatum* (Laporte, 1833)**

**Published records.** STEHLÍK & VAVŘÍNOVÁ (1987): Bánov (7072); Radějov (7170). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhlíčky (44), 28.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráň NR (59), 30.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♂♂, 3.–23.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Hornoněmčanský háj forest (108), 10.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♀♀, 9.–29.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♀, P. Kment lgt. (PKBC). Malá Vrbka, Výzkum hill, restored grassland (208), 16.xi.1999–4.iii.2000, pt, 2 ♂♂ 2 ♀♀, 4.iii.–8.iv.2000, pt, 3 ♂♂ 1 ♀, 8.iv.–5.v.2000, pt, 2 ♂♂ 1 ♀, P. Bezděčka lgt., 17.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt., 5.v.2000, 152 ♂♂ 159 ♀♀, I. Malenovský lgt., 25.v.2000,

19 ♂♂ 19 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 27.vii.2000, 9 ♂♂ 14 ♀♀, P. Kment & I. Malenovský lgt., 16.viii.2000, 1 ♂ 2 ♀♀, P. Kment lgt., 1.x.2000, 1 ♂ 2 ♀♀, 2.v.2001, 122 ♂♂ 185 ♀♀, 22.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 1 ♀, P. Kment lgt., 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 18.vi.2000, 1 ♂, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 16.viii.2009, along road to Radějov, 1 ♂, P. Kment lgt. (PKPC); 10.ix.2011, 1 ♂ 1 ♀, J. Ch. Vávra lgt. (OMOC). Radějov, Kútky NR (217), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♀, P. Kment lgt. (PKPC); 30.vi.2008, 1 ♂, E. Ezer lgt. (EEZC). Javorník, Jazevčí NNR (232), 6.iv.–12.v.2009, Mt, 1 ♂, 12.v.–2.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), 8.viii.2001, 1 ♂ 1 ♀ (br), P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 3 ♂♂ 4 ♀♀, 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 3.–22.vi.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂ 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 2 ♂♂, 18.vi.–9.vii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic. **Biology and habitat:** On Chenopodioideae (especially *Atriplex* and *Chenopodium*). Euryecious, often in ruderal sites. Very common (STEHLÍK & VAVŘINOVÁ 1987, WACHMANN *et al.* 2007). **Red List status:** –.

## Family BERYTIDAE

### *Berytinus (Berytinus) clavipes* (Fabricius, 1775)

**Published records.** STEHLÍK & VAVŘINOVÁ (1990): Horní Němčí (7071); Kněždub (7170); Radějov (7170); Javorník (7171); Nová Lhota (7171).

**Material examined.** Brumov, Uhličky (44), 5.x.2004, 1 ♀, I. Malenovský lgt., 28.vii.2005, 1 ♂ 5 ♀♀, 4.ix.2005, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 1.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ 2 ♀♀, 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ 2 ♀♀, 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Horní Němčí (110), 5.ix.1999, 1 ♂ 1 ♀, J. Strejček lgt., O. Balvín det., P. Kment revid. (OBPC). Horní Němčí, reservoir in village (111), under *Ononis spinosa* on the banks, 21.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 13.viii.2001, on *Ononis spinosa*, 1 ♀ 1 L, P. Kment lgt. (PKPC). Strání, Obecnice hill, S slope (146), 10.ix.1998, 1 ♀, I. Malenovský lgt. (PKPC). Vyškovské Bošáčky, meadow and orchard (180), 3.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 17.vi.2000, 1 ♀, 8.vii.2000, 1 ♀, 17.viii.2000, 1 ♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ (ma), I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 3 ♂♂, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♀, 18.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt., 17.ix.2004, 1 ♂, M. Horsák lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** On Fabaceae, especially *Ononis spinosa*. Epigeic, in open, warm localities such as dry grassland, meadows and pastures. Common (STEHLÍK & VAVŘÍNOVÁ 1990, WACHMANN *et al.* 2007). **Red List status:** –.

#### ***Berytinus (Berytinus) minor minor* (Herrich-Schaeffer, 1835)**

**Published records.** STEHLÍK & VAVŘÍNOVÁ (1990): Štítná nad Vláří (towards Popov) (6973). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55) and surrounding pastures (53), 20.v.1999, 1 ♂ (br), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 6.ix.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Brumov, Kloboucká street (76), 28.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 3 ♂♂ 2 ♀♀, 5.x.2004, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 16.iv.–20.v.2005, pt, 1 ♀, K. Resl lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 21.v.2005, 1 ♂, I. Malenovský lgt., 3.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vyškovské Bošacky, meadow and orchard (180), 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2004, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 9.ix.–22.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂, 2.v.2001, 1 ♂, 18.v.2002, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 6.viii.–8.ix.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevěčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 7.ix.2002, 1 ♂, 2.ix.2004, 1 ♂, 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 20.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** On Fabaceae, but also on other plants. Epigeic, eurycious, in dry to slightly humid localities (e.g. aeolian sands, dry sunny slopes, lowland forests, peat bogs). Common (STEHLÍK & VAVŘÍNOVÁ 1990, WACHMANN *et al.* 2007). **Red List status:** –.

#### ***Berytinus (Lizinus) crassipes* (Herrich-Schaeffer, 1835)**

**Material examined.** Nedašov, Pod Cigánem NM (91), 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), lawn between old and new cemetery, 9.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** Mostly on *Cerastium*, but recorded also under *Erodium*, *Calluna*, *Erica*, and Poaceae. Epigeic, preferring warm and dry localities with sparse, patchy vegetation. Widespread, not rare (STEHLÍK & VAVŘÍNOVÁ 1990, WACHMANN *et al.* 2007). **Red List status:** –.

***Berytinus (Lizinus) signoreti* (Fieber, 1859) (VU)**

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 17.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected in two xerothermic localities in the southern part of the area. **General distribution:** European, extending to Anatolia and Cyprus. **Biology and habitat:** On Fabaceae (e.g. *Lotus corniculatus*, *Hippocrepis*, *Ononis*, *Medicago*), but also on *Thymus* or *Artemisia*. Epigeic, in xerothermic localities (especially on sandy or rocky substrates), avoiding mountains. Rare (STEHLÍK & VAVŘÍNOVÁ 1990, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

***Berytinus (Lizinus) striola* (Ferrari, 1874) (EN)**

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in one xerothermic locality in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** On *Coronilla varia* and possibly also other Fabaceae. Epigeic, in xerothermic localities especially on rocky substrates, missing in the mountains. Rare (STEHLÍK & VAVŘÍNOVÁ 1990, KMENT *et al.* 2005, WACHMANN *et al.* 2007). **Red List status:** Endangered.

***Gampsocoris culicinus culicinus* Seidenstücker, 1948 (NT)**

**Published record.** STEHLÍK & VAVŘÍNOVÁ (1990): Horní Němčí, Lesná hill (123).

**Material examined.** Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 2 ♂♂ 3 ♀♀, I. Malenovský lgt., 16.viii.2006, on *Stachys alpina*, 4 ♂♂ 5 ♀♀ 2 L5, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♀ on *Salvia glutinosa*, 2 ♂♂ 1 L on *Stachys sylvatica*, 4 ♂♂ 7 ♀♀ 2 L on *Stachys alpina*, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), on *Stachys alpina* (3 adults), *Stachys sylvatica* (1 L), *Salvia glutinosa* (1 adult) and *Galeopsis speciosa* (1 L), 17.viii.2006, 2 ♂♂ 5 ♀♀ 2 L, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian, extending to Maghreb. **Biology and habitat:** A polyphagous phytophage, preferring plants with glandulous hairs. Euryecious, in xerothermic as well as humid and half-shaded habitats (e.g. on aeolian sands in lowlands as well as in forest clearings at medium altitudes). Widespread, not rare (STEHLÍK & VAVŘÍNOVÁ 1990, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

**Comments.** *Galeopsis speciosa* and *Stachys alpina* are confirmed as host plants of the species.

***Metatropis rufescens* (Herrich-Schaeffer, 1835)**

(NT)

**Published records.** ROHÁČOVÁ (1992): Luhačovice env. (68–6972). KMENT & BRYJA (2001): Luhačovice, Velká Kamenná hora hill (8); Valašské Klobouky, Bílé potoky NR, brooklet ravine (46); Strání, Klanečnice brook valley above Žabka reservoir (142); Kněždub, Čertoryje NNR (202); Radějov, Pusté deergame enclosure, Návranky crossroad (214); Tvarožná Lhota, valley of Járkovec brook (200); Javorník, top of Machová hill (259); Velká nad Veličkou, Háj hill (231); Strání, Záhumenice NM (266). ŠPRYŇAR & KMENT (2005): Horní Němčí, *Carici pilosae-Carpinetum* [= Hornoněmčanský háj forest] (108); Vyškovecké Bošačky, under the Hribová hill (175); Vápenky, under the Mt. Velká Javořina, beech forest along the road to the Hubertova bouda hut (253); Strání, Záhumenice NR (266).

**Material examined.** Brumov, Uhlíčky (44), smal forest between meadows, on *Circaea* sp., 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 13.–16.viii.2007, ypt, 1 ♂, J. Ježek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR, forest (47), 14.viii.2006, 1 spec., P. Kment observ. Petřůvka, Kladenka brook valley (64), 3.–23.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Sidonie, Sidonie NR (87), 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂, 9.–29.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, on *Circaea* sp., 16.viii.2009, 1 spec., P. Kment observ. Nová Lhota, Vápenky, left-side tributary of Velička river (252), 16.ix.–21.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, not rare. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia.

**Biology and habitat:** On *Circaea lutetiana* and *C. alpina*. A characteristic species for forest undergrowth in humid, shaded, nutrient-rich places in floodplain forests, along small streams, in deep valleys in deciduous or mixed forests, as well as in montane scree forests (corresponding to the plant associations of *Alno-Ulmion*, *Fagion* and *Tilio-Acerion*) (KMENT & BRYJA 2001, ŠPRYŇAR & KMENT 2005, WACHMANN *et al.* 2007). **Red List status:** Near-threatened.

**Comments.** Previously considered to be a rare species (STEHLÍK & VAVŘINOVÁ 1990) but recent surveys confirmed it as a common species in natural or semi-natural forests with adequate host plant populations (KMENT & BRYJA 2001, ŠPRYŇAR & KMENT 2005).

**Family PYRRHOCORIDAE*****Pyrrhocoris apterus* (Linnaeus, 1758)**

**Published record.** STEHLÍK & HEISS (2000): Petrov (7169).

**Material examined.** Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂ (br), P. Kment lgt. (PKPC). Valašské Klobouky, Rybník (36), under *Tilia* sp., 21.v.1999, 1 ♂ (br), M. Horsák & P. Kment lgt. (PKPC). Brumov, Uhlíčky and Kloboucká street (44, 76), 8.v.2004, 1 ♀ (br), P. Kment lgt., 4.v.–3.vi.2005, pt, 1 ♀ (br), K. Resl lgt. (PKPC). Nedašov, village (51), on *Tilia* sp., 17.viii.2006, 1 ♂ (br), P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀ (br), P. Kment lgt. (PKPC). Bojkovice, railway station (66), under *Tilia* sp., 25.ix.2004, 1 ♀ (br), P. Kment lgt. (PKPC). Bylnice, between Vlára river and Lazy NR (81), 21.v.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Lazy NR and environs (82), 21.v.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt., 1.vii.1999, 1 ♂ (br), P. Kment & M. Omesová lgt., 12.ix.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 21.v.1999, 1 ♀ (br), I. Malenovský & T. Vymyslický lgt. (PKPC). Hluk, Kobyly hlava NM (101), 24.viii.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 3 ♂♂ 4 ♀♀ (br), 16.viii.2009, 5 ♂♂ 2 ♀♀ (br), P. Baňar lgt. et det. (MMBC). Horní Němčí, village (109), under *Tilia* sp., 13.viii.2001, 1 ♀ (br), P.

Kment lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂ (br), I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 1 ♀ (ma), Z. Malinka lgt. (ZMOC). Korytná, village (135), 5.vii.2001, 1 ♂ (br, freshly hatched), M. Omesová lgt. (PKPC). Strání, Klanečnice brook valley above Žabka reservoir (142), margin of beech forest, 10.vii.1998, P. Kment observ. Žitková, village (166), 7.viii.1999, 2 ♀♀ (br), P. Kment lgt. (PKPC). Starý Hrozenkov, village (172), 6.vii.2001, 1 ♀ (br), P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 8.v.2004, 1 ♀ (br), P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀ (br), P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, numerous, 19.viii.2002, numerous, P. Kment observ.; 24.ix.–27.x.2008, Mt, 1 ♀ (br), P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, village (192), 17.vi.2000, 2 ♂♂ 2 ♀♀ in copula, P. Kment observ. Radějov, village (194), under *Tilia cordata*, 11.vii.1998, numerous, 19.viii.2002, numerous, P. Kment observ., 24.ix.2005, 1 ♂ (br), P. Kment lgt. (PKPC). Malá Vrbka, village (206), 19.vi.2000, several spec., P. Kment observ. Malá Vrbka, Výzkum hill, restored grassland (208), 27.vi.2002, 1 ♂ (br), I. Malenovský lgt. (PKPC). Hrubá Vrbka, village (212), 8.vii.2000, several spec., P. Kment observ. (PKPC). Radějov, Veselka hill (215), 11.vii.1998, 1 torso 1 L, P. Kment observ. Velká nad Veličkou, village (222), railway station, around church, 14.v.1998, 1 ♂ 1 ♀ in copula, P. Kment observ., 17.iv.2000, several specimens, under *Tilia* sp. (2 ♂♂ 2 ♀♀ in copula), P. Kment observ., 19.vi.2000, numerous, P. Kment observ. Velká nad Veličkou, old cemetery (223), 18.iv.2000, numerous, P. Kment observ. Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂ (br), P. Kment & I. Malenovský lgt., 18.viii.2000, 1 ♂ (br), P. Kment lgt., 9.–10.ix.2000, 3 ♂♂ 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♀ (br), P. Kment lgt., 10.ix.2000, 1 ♂ 7 ♀♀ (br), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, village (239), linden alley towards cemetery, 8.viii.2001, 1 ♂ (br), P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 2 ♀♀ (br), 7.ix.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂ (br), P. Kment & I. Malenovský lgt., 17.vii.2002, 2 ♂♂ (br), 7.ix.2002, 1 ♀ (br), I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♂ (br), I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ (br), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area in warm places. **General distribution:** West Palaearctic, extending to Pakistan. **Biology and habitat:** Polyphagous, but with a preference for seeds of *Tilia*, herbaceous Malvaceae, and *Robinia pseudacacia*; it also consumes insect eggs, dead insects, or sucks on vertebrate carrions (STEHLÍK & HEISS 2000, WACHMANN *et al.* 2007, KRISTENOVÁ *et al.* 2011). It inhabits a wide range of warm habitats including urban environments. Widespread and common except for mountain areas (STEHLÍK & HEISS 2000). **Red List status:** –.

## Family STENOCEPHALIDAE

### *Dicranocephalus agilis* (Scopoli, 1763)

**Material examined.** Velašské Klobouky, Suchý vrch hill (25), 21.v.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 28.vii.2001, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Palaearctic; Mexico (perhaps introduced). **Biology and habitat:** On *Euphorbia*, especially *E. cyparissias*, mostly in xerothermic localities, but occurring at altitudes of up to 1000 m. Quite common (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** –.

***Dicranocephalus medius* (Mulsant et Rey, 1870)**

(VU)

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two xerothermic localities in the central part of the area. **General distribution:** Eurosiberian.

**Biology and habitat:** On *Euphorbia*, especially *E. esula* and *E. cyparissias*, in forest clearings, on warm and dry slopes, less frequently in other habitats, mostly in hilly landscapes, missing in montane regions. Quite rare (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** Vulnerable.

**Family RHOPALIDAE**

***Brachycarenum tigrinus* Schilling, 1829**

**Material examined.** Blatnička, Milejovské louky meadows (104), 16.viii.2009, 4 ♂♂ 2 ♀♀, P. Baňář lgt. et det. (MMBC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at two xerothermic localities in the southern part of the area. **General distribution:** Holopalaeartic, introduced to North America. **Biology and habitat:** On Brassicaceae, adults suck also on Amaranthaceae, Fabaceae, or Asteraceae. In xerothermic localities, often on sands, including ruderal habitats. Not rare (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

***Corizus hyoscyami hyoscyami* (Linnaeus, 1758)**

**Published records.** STEHLÍK & VAVŘINOVÁ (1989): Sidonie (6974); Bylnice (6974); Boršice [u Blatnice] (towards Hluk) (105); Komňa (7072); Lopeník, Mikulčín vrch hill (160); Kněždub (7170); Nová Lhota (7171); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 4.–25.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 25.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (MUBC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 17.vi.2006, 2 ♀♀, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Pitín (72), 20.vii.1957, 1 ♀, Ondřej lgt. (MMBC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Sidonie, Sidonie NR (87), 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂, 16.viii.2009, 2 ♂♂ 1 ♀, P. Baňář lgt. et det. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ 1 ♀, 8.viii.2007, 2 ♀♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂, P. Kment lgt., 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 28.vii.2001, 2

♀♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 17.viii.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 4.viii.2000, 1 ♀, 16.viii.2000, 1 ♀, P. Kment lgt., 22.x.2000, 1 ♂, P. Kment & I. Malenovský lgt., 18.v.2002, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♀, 13.vii.1998, 1 ♀, P. Kment lgt., 24.vii.2000, 1 ♂, I. Malenovský lgt., 9.–10.ix.2000, 1 ♂ 3 ♀♀ (1 ♀ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC); 17.ix.2004, 1 spec., M. Horsák lgt. (MHBC); 20.viii.2007, 1 ♀, M. Horsák lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 torso, 19.vi.2000, 2 ♀♀ (1 ♀ freshly hatched), I. Malenovský lgt., 10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 2 ♀♀, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 7.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt. (PKPC); 8.v.2000, 2 ♀♀, I. Malenovský lgt. (MUBC); 28.v.–18.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Nová hora NR (268), 16.v.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaearctic (except West Mediterranean) and Oriental.

**Biology and habitat:** Polyphagous phytophage. Euryecious, in open to half-shaded, dry to humid habitats with rich herbaceous vegetation from lowland to mountains. Common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

### *Myrmus miriformis miriformis* (Fallén, 1807)

**Published records.** BALTHASAR (1942): Luhačovice (68–6972). STEHLÍK & VAVŘINOVÁ (1989): Luhačovice (68–6972); Lipová (towards Haluzice) (16); Valašské Klobouky (towards Hostětin) [= Hostětín] (70); Hrádek (towards Hostětín) [= Rokytnice, Bukovina hill] (6973a4); Štítná nad Vláří (towards Popov) (71); Bylnice (6974); Sidonie (6974); Horní Němčí (7071); Korytná (7071–72); Bánov (7072); Komňa (7072); Radějov (7170); Nová Lhota (7171). KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♂♂ (mi), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀ (mi), P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂ (mi), P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂ (mi), P. Kment & I. Malenovský lgt., 13.ix.1999, 1 ♂ (mi), I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 1 ♂ 2 ♀♀ (mi), P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 2 ♀♀ (mi), M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀ (mi), P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 2 ♂♂ 3 ♀♀ (sma) 1 ♂ 1 ♀ (mi), P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 28.vii.2005, 1 ♂ 1 ♀ (mi), I. Malenovský lgt., 12.vii.2006, 1 ♀ (mi), P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ (mi), P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂ (mi), I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 2 ♀♀ (mi), P. Kment & I. Malenovský lgt., 12.vii.2006, 1 ♂ 3 ♀♀ (mi), P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀ (mi), P. Kment lgt. (PKPC). Brumov, Kloboucká street (76), 2.ix.2004, 2 ♂♂ 2 ♀♀ (mi), I. Malenovský lgt., 3.vi.–4.vii.2005, pt, 1 ♀ (mi), K. Resl lgt., 28.vii.2005, 2 ♂♂ 1 ♀ (mi), 4.ix.2005, 1 ♂ 3 ♀♀ (mi), P. Kment lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂ (mi), P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂ (mi), I. Malenovský & T. Vymyslický lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 2 ♂♂ (mi), I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 4 ♂♂ 4 ♀♀ (mi), 11.vii.2009, 4 ♂♂ 2 ♀♀ (mi), 16.viii.2009, 4 ♂♂ 3 ♀♀ (mi), P. Baňar lgt. et det. (MMBC). Louka, Hloží NR (106), 7.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Korytná, Břeží (113), 5.vii.2001, 1 ♀ (br), P. Kment & I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 4 ♂♂ 3 ♀♀ (mi), P. Kment & I. Malenovský lgt., 21.vii.2002, 1 ♂ (mi), 10.ix.2002, 2 ♂♂ 2 ♀♀ (mi), I. Malenovský lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.vii.1998, 1 ♀ (mi), P. Kment lgt., 10.ix.1998, 1 ♂ (mi), I. Malenovský & M. Omesová lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 2.vii.2001, 2 ♂♂ (mi), P. Kment & I.



#### True bugs (Hemiptera: Heteroptera)

Malenovský lgt., 20.vii.2002, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♂ (mi), P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂ (mi), 8.viii.2007, 1 ♀ (br), 22.ix.2007, 1 ♀ (mi), P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀ (sma), P. Kment & I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂ (mi), P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♂♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂ (sma) 1 ♂ (mi), P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂ (mi), I. Malenovský lgt., 22.vi.2001, 1 ♂ (mi), 28.vii.2001, 3 ♂♂, 20.ix.2001, 1 ♀ (mi), P. Kment lgt., 27.vi.2002, 5 ♂♂ 2 ♀♀ (mi), I. Malenovský lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 17.viii.2000, 1 ♂ (mi), P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♂ 1 ♀ (sma) 1 ♀ (mi), 27.vii.2000, 2 ♂♂ 1 ♀ (mi), I. Malenovský lgt., 4.viii.2000, 1 ♂ (mi), 16.viii.2000, 2 ♂♂ 2 ♀♀ (mi), P. Kment lgt., 1.x.2000, 3 ♂♂ (mi), 22.x.2000, 1 ♂ (sma) 1 ♂ (mi), P. Kment & I. Malenovský lgt., 20.ix.2001, 2 ♂♂ 1 ♀ (mi), 17.viii.2002, 2 ♂♂ 1 ♀ (mi), 4.x.2002, 1 ♂ 1 ♀ (mi), P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, several spec., P. Kment observ., 16.viii.2000, 1 ♂ 2 ♀♀ (br), P. Kment lgt. (PKPC). Radějov, Kútý NR (217), 11.vii.1998, 1 ♀ (mi), P. Kment lgt. (PKPC); 7.vi.2008, 1 ♂ (mi), J. Ch. Vávra lgt. (OMOC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 2 ♂♂ 1 ♀ (mi), P. Kment lgt. (PKPC); 19.vi.2000, 1 ♂ (sma) 2 ♀♀ (mi), P. Kment lgt. (MUBC); 24.vii.2000, 1 ♂ (mi), I. Malenovský lgt., 18.viii.2000, 5 ♂♂ 1 ♀ (mi), P. Kment lgt., 9.–10.ix.2000, 4 ♂♂ 1 ♀ (mi), P. Kment & I. Malenovský lgt. (PKPC). Suchové Mlýny, sheep pasture (226), 16.viii.2004, 1 ♂ (mi), I. Malenovský lgt. (PKPC). Suchové Mlýny, meadow (227), 27.vii.2005, 1 ♂ 3 ♀♀ (mi), 1.ix.2005, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 27.vii.2005, 1 ♂ (mi), I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀ (mi), I. Malenovský & M. Omesová lgt., 19.vi.2000, 1 ♂ (mi) 1 ♀ (sma) 2 ♀♀ (mi), I. Malenovský lgt., 18.viii.2000, 2 ♂♂ 2 ♀♀ (mi), P. Kment lgt., 10.ix.2000, 4 ♂♂ 2 ♀♀ (mi), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂ 1 ♀ (mi), I. Malenovský lgt., 23.ix.2001, 1 ♀ (mi), P. Kment lgt., 7.ix.2002, 2 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 17.vii.2002, 1 ♀ (mi), I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♀ (mi), I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ (mi), P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Transcaucasia. **Biology and habitat:**

On Poaceae. Euryecious, in xerothermic as well as humid and half-shaded grassland.

Very common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Rhopalus (Aeschyntelus) maculatus* (Fieber, 1837)

**Published records.** STEHLÍK & VAVŘINOVÁ (1989): Javorník, Výzkum [hill] (258). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Poteč, Ploščíny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area.

Apparently a rare species in the Bílé Karpaty Mts. due to the lack of suitable habitats and

a very rare occurrence of its usual host plant. **General distribution:** Holopalaeartic

(except southern Mediterranean). **Biology and habitat:** Most frequently on *Potentilla*

*palustris* (= *Comarum palustre*) which is the main host plant, rarely on other plants (e.g.

*Cirsium palustre*, *Ledum palustre*, *Epilobium*, and *Lythrum*) (STEHLÍK & VAVŘINOVÁ

1989, WACHMANN *et al.* 2007). In Moravia, common in peat bogs and peaty meadows at

medium altitudes, missing in both lowland and mountain regions (STEHLÍK & VAVŘINOVÁ

1989). **Red List status:** –.

***Rhopalus (Rhopalus) conspersus* (Fieber, 1837)**

**Published record.** STEHLÍK & VAVŘINOVÁ (1989): Bánov, Skalky hill (125).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not recorded in the course of the recent survey. **General distribution:** Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** On *Thymus serpyllum*, adults also on other plants (e.g. *Fragaria*, *Echinops*, *Adonis*, *Geranium*, and *Silene*) in xerothermic localities. Quite rare (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

***Rhopalus (Rhopalus) parumpunctatus* Schilling, 1829**

**Published records.** HOBERLANDT (1944, as f. *singeri*): Javorina (942 m) [= Mt. Velká Javořina] (255). STEHLÍK & VAVŘINOVÁ (1989): Rokytnice (6973); Bylnice (6974); Horní Němčí (7071); Korytná (7071–72); Lopeník, Mikulčín vrch hill (160); Starý Hrozenkov (7073); Javorník (7171). NEJEDLÁ (1997: 219): Velká Javorina [= Mt. Velká Javořina] (255). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Luhačovice, Ještí, E of Gáborka spring (6), 1.x.2007, 1 ♀, J. Ježek lgt. (NMPC). Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC, VURV); 13.ix.1999, 1 ♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 5 ♂♂ 3 ♀♀, 17.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 25.viii.2002, 1 ♂, P. Kment lgt., 28.vii.2005, 5 ♂♂ 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♂ 1 ♀, 28.vii.2005, 1 ♂, 6.ix.2005, 3 ♀♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 10.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 16.viii.2009, 2 ♂♂ 2 ♀♀, P. Baňar lgt. et det. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 13.viii.2001, 6 ♂♂ 4 ♀♀, 21.ix.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 21.vii.2002, 15 ♂♂ 11 ♀♀, 10.ix.2002, 7 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 10.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 2 ♂♂, O. Konvička lgt. (NMPC). Strání, Obecnice hill, at transmission tower (144), 23.v.2002, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 20.vii.2002, 6 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 25.ix.2004, 2 ♂♂, P. Kment lgt., 24.vii.2005, 18 ♂♂ 18 ♀♀, I. Malenovský lgt., 3.ix.2005, 7 ♂♂ 6 ♀♀, P. Kment lgt. (PKPC). Lopeník, Mikulčín vrch hill (160), spruce forest margin, 24.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂ 2 ♀♀, 8.viii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 ♂♂ 1 ♀, 8.viii.2007, 2 ♂♂ 3 ♀♀ (1 ♀ freshly hatched), 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 2 ♂♂ 4 ♀♀, 24.vii.2005, 7 ♂♂ 9 ♀♀, P. Kment lgt., 3.ix.2005, 4 ♂♂ 4 ♀♀, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, cattle pasture (179), 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♀, 25.ix.2004, 1 ♂ 1 ♀, P. Kment lgt., 21.v.2005, 1 ♂, I. Malenovský lgt., 24.vii.2005, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♂ 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♂, 26.viii.–24.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 3 ♂♂ 4 ♀♀, P. Kment lgt., 28.vii.2001, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC).

#### True bugs (Hemiptera: Heteroptera)

Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♀, I. Malenovský lgt., 28.vii.2001, 4 ♂♂ 1 ♀, 20.ix.2001, 2 ♂♂ 3 ♀♀, P. Kment lgt., 27.vi.2002, 3 ♂♂, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂, I. Malenovský lgt., 25.v.2000, 1 ♀, P. Kment lgt., 18.vi.2000, 1 ♂, I. Malenovský lgt., 8.vii.2000, 1 ♂, P. Kment lgt., 27.vii.2000, 1 ♂, I. Malenovský lgt., 16.viii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., 1.x.2000, 1 ♂, P. Kment & I. Malenovský lgt., 2.v.2001, 2 ♀♀, P. Kment lgt., 28.vii.2001, 4 ♂♂ 5 ♀♀, P. Kment & I. Malenovský lgt., 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♀, 16.viii.2000, 2 ♂♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC); 16.viii.2009, along road to Radějov, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 24.vii.2000, 1 ♀, I. Malenovský lgt., 9.–10.ix.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 16.viii.2004, 2 ♂♂ 1 ♀, 26.v.2005, 1 ♂ 1 ♀, 27.vii.2005, 1 ♂ 2 ♀♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 2 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂ 1 ♀, P. Kment lgt., 27.vii.2005, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 1 ♂ 2 ♀♀, I. Malenovský lgt., 18.viii.2000, 4 ♂♂ 3 ♀♀, P. Kment lgt., 10.ix.2000, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 24.viii.–14.ix.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 2 ♂♂ 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 2 ♀♀, I. Malenovský lgt., 8.viii.2001, 1 ♀, P. Kment lgt., 24.v.2002, 1 ♀, 17.vii.2002, 8 ♂♂ 17 ♀♀, 7.ix.2002, 2 ♂♂ 3 ♀♀, 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.ix.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 17.vii.2002, 1 ♀, 7.ix.2002, 4 ♂♂ 6 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 4.–24.viii.2009, Mt, 2 ♀♀, 16.ix.–22.x.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 8.v.2000, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 3 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂, P. Kment lgt., 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 9.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 21.ix.2001, 1 ♂ 1 ♀, I. Malenovský lgt., 20.vii.2002, 1 ♂, P. Kment lgt., 12.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC); 12.viii.–9.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC); 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic. **Biology and habitat:** A polyphagous phytophage. Euryecious, from lowlands to mountains. Very common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

#### *Rhopalus (Rhopalus) subrufus* (Gmelin, 1790)

**Published records.** STEHLÍK & VAVŘINOVÁ (1989): Lipová (towards Haluzice) (16); Hrádek (towards Hostětín) [= Rokytnice, Bukovina hill] (6973a4); Horní Němčí (7071); Korytná (7071–72); Radějov (7170). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 10.ix.1999, 1 ♀, I. Malenovský & T. Výmyslický lgt., 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 24.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♂, 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 1 ♂, 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♂, 10.vii.2006, 1 ♂, O. Konvička lgt. (NMPC). Bylnice, Na Stráži

(77), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Sidonie env. (88), 27.vi.1998, 1 ♀, V. Vrabec & L. Vrabcová lgt. (VVKC). Louka, Hloží NR (106), 24.iv.1999, 1 ♀, M. Horsák lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 13.viii.2001, 1 ♂, 21.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 2 ♀♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 25.ix.2004, 1 ♀, P. Kment lgt., 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 18.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂ 2 ♀♀, M. Horsák & P. Kment lgt. (MHBC, PKPC); 19.vi.2000, 1 ♂, P. Kment lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevěč NNR (232), 6.v.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC); 15.vii.–5.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, railway station (237), 9.vii.1998, several spec., P. Kment observ. Javorník, Machová NR (259), 14.v.1998, 1 ♂, 9.vii.1998, 1 ♀, P. Kment lgt., 8.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 13.vii.–10.viii.2010, Mt, 1 ♀, 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 28.v.–18.vi.2007, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic (except easternmost Asia). **Biology and habitat:**

A polyphagous phytophage, with some preference for Lamiaceae and Geraniaceae. Euryecious, in dry to slightly humid, open to half-shaded habitats. Common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

### *Stictopleurus abutilon* (Rossi, 1790)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová strán NR (54), 5.x.2004, 1 ♂, I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Suchoy, Kazivec brook valley (116), 15.v.1998, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, Vinohrádky (121), 13.viii.2001, 1 ♀, P. Kment lgt., 10.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 2 ♀♀, O. Konvička lgt. (NMPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 21.viii.–12.ix.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, 8.viii.2007, 1 ♀, 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 2 ♂♂, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂, 24.vii.2005, 1 ♀, P. Kment lgt., 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♀, 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 2 ♂♂, 25.v.2000, 2 ♂♂, 18.vi.2000, 1 ♀, I. Malenovský lgt., 4.viii.2000, 1 ♀, 16.viii.2000, 2 ♀♀, P. Kment lgt., 1.x.2000, 1 ♂ 1 ♀, 22.x.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 2.v.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 2 ♀♀, M. Horsák & P. Kment lgt., 13.vii.1998, 1 ♀, 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevěč NNR (232), 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Vápenky, Mt. Velká Javořina (255), forest, 25.v.1999, 1 ♀, H. Hiršová lgt. (MUBC). Javorník, Machová NR (259), 22.viii.–10.ix.2007, Mt, 1 ♂, P.

Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 1 ♀, 12.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holopalaearctic (except easternmost Asia). **Biology and habitat:** On Asteraceae (especially *Artemisia* and *Achillea*). Euryecious, although preferring warm and dry, open habitats. Common (STEHLÍK & VAVŘÍNOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

### *Stictopleurus crassicornis* (Linnaeus, 1758)

**Published records.** STEHLÍK & VAVŘÍNOVÁ (1989): Lipová (towards Haluzice) (16); Nedašova Lhota (6874); Štítná nad Vláří (towards Popov) (71); Bylnice (6974); Bánov (7072); Boršice [u Blatnice] (towards Hluk) (105); Horní Němčí (7071); Korytná (7071–72); Komňa (7072); Lopeník, Mikulčin vrch hill (160); Kněždub (7170); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráž NR (54).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky and Kloboucká street (44, 76), 8.v.2004, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 2 ♂♂, 3.vii.1999, 2 ♂♂ 2 ♀♀ (1 ♂ freshly hatched), P. Kment & I. Malenovský lgt., 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 10.vii.2006, 1 ♂, O. Konvička lgt. (NMPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Svätý Štěpán, right bank of Vlára river (95), 21.v.1999, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, 1 ♀, P. Kment lgt., 21.vii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Vinohrádky (121), 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂, I. Malenovský lgt., 3.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 25.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 12.ix.–2.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, 8.viii.2007, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♂, P. Kment lgt. (PKPC). Vyškovské Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂, 24.vii.2005, 2 ♂♂ 3 ♀♀, P. Kment lgt. (PKPC). Vyškovské Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♂, I. Malenovský lgt., 19.viii.2004, 1 ♂ 2 ♀♀, 25.ix.2004, 1 ♀, 24.vii.2005, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 6 ♂♂ 1 ♀, I. Malenovský lgt., 25.v.2000, 1 ♂ 5 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 1 ♂, 27.vii.2000, 6 ♂♂, I. Malenovský lgt., 4.viii.2000, 10 ♂♂ 3 ♀♀, 16.viii.2000, 5 ♂♂ 1 ♀, P. Kment lgt., 1.x.2000, 1 ♂ 2 ♀♀, 22.x.2000, 4 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 2.v.2001, 1 ♀, P. Kment lgt., 28.vii.2001, 5 ♀♀, P. Kment & I. Malenovský lgt., 20.ix.2001, 1 ♀, P. Kment lgt., 27.vi.2002, 1 ♂, I. Malenovský lgt., 4.x.2002, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 2 ♂♂ 2 ♀♀, 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 1 ♂, Z. Malinka lgt. (ZMOC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♀, P. Kment lgt. (PKPC); 13.vii.1998, 2 ♂♂ 1 ♀, P. Kment lgt. (MHBC, PKPC); 18.iv.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Jazevečí NNR (232), 19.vi.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236),

7.ix.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.ix.2001, 2 ♀♀, P. Kment lgt., 17.vii.2002, 1 ♂, 7.ix.2002, 6 ♂♂ 1 ♀, 1.x.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 3 ♀♀, P. Kment lgt. (MHBC, PKPC); 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Strání, Nová hora NR (268), 25.v.1999, 1 ♀, H. Hiršová lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 23.v.2002, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaearctic (except North Africa). **Biology and habitat:**

Mostly on Asteraceae, euryecious, present also in humid habitats. Very common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

### *Stictoleurus punctatonervosus* (Goeze, 1778)

**Published records.** STEHLÍK & VAVŘINOVÁ (1989): Luhačovice (68–6972); Bylnice (6974). KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 10.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Brumov, Uhlíčky (44), 28.vii.2005, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 2 ♀♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀, O. Konvička lgt. (NMPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 3 ♂♂, P. Kment & M. Omesová lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.2002, 1 ♀, I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 15.v.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 2 ♂♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 22.ix.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Vyškovcecké Bošačky, cattle pasture (179), 25.ix.2004, 2 ♂♂, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂, P. Kment lgt. (PKBC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♀, 4.x.2002, 3 ♂♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt., 25.v.2000, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 2 ♂♂ 4 ♀♀, 27.vii.2000, 1 ♀, I. Malenovský lgt., 16.viii.2000, 3 ♂♂ 3 ♀♀, P. Kment lgt., 1.x.2000, 2 ♂♂ 1 ♀, 22.x.2000, 4 ♂♂ 5 ♀♀, 2.v.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 1 ♀, I. Malenovský lgt., 4.x.2002, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), light trap, 23.vii.2007, 1 ♂, J. Ch. Vávra lgt. (OMOC). Velká nad Velíčkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 2 ♂♂, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♀, P. Kment lgt., 9.–10.ix.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, 19.vi.2000, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 8.viii.2001, 1 ♂, 23.ix.2001, 1 ♂, P. Kment lgt., 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂ 1 ♀, P. Kment lgt., 8.v.2000, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 21.ix.2001, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to the Near East, and Central Asiatic.

**Biology and habitat:** On Asteraceae. Euryecious, preferring dry and warm habitats. Very common (STEHLÍK & VAVŘINOVÁ 1989, WACHMANN *et al.* 2007). **Red List status:** –.

**Family ALYDIDAE**

***Alydus calcaratus* (Linnaeus, 1758)**

**Published records.** STEHLÍK (1988): Bylnice (6974). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Hluk, Babi hora NM (102), 24.viii.2002, 1 ♀ 1 L5, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 16.viii.2009, 2 ♂♂ 3 ♀♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂, 13.viii.2001, 1 ♂, 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♀, O. Konvička lgt. (NMPC). Strání, Důbrava hill (150), 7.vii.1980, 1 ♂, P. Lauterer lgt., 2 ♂♂ 1 ♀, L. Pospíšilová lgt. (MMBC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 31.vii.–21.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♂, P. Kment lgt., 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 2 ♂♂ 5 ♀♀, P. Kment lgt. (MUBC, PKPC); 28.vii.2001, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂ 1 ♀, M. Omesová lgt. (MUBC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, P. Kment lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂, 1.x.2004, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 7.ix.2002, 5 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in xerothermic localities throughout the area, but very rare in the north. **General distribution:** Holarctic (Eurosiberian, Central Asiatic, and Nearctic). **Biology and habitat:** On Fabaceae, at low and medium altitudes in open, warm and dry localities, nearly absent from higher altitudes. Common (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** –.

***Megalotomus junceus* (Scopoli, 1763)**

**(EX / CR)**

**Published records.** DOBŠÍK (1950): Korytná (7071–72). ROHÁČOVÁ (1992): Luhačovice env. (68–6972). HRADIL *et al.* (2008), KMENT & MALENOVSKÝ (2008): Starý Hrozenkov, Skalka quarry (169).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, known from scattered records in the northern and central parts of the area; recently collected only at one site.

**General distribution:** South Eurosiberian. **Biology and habitat:** On Fabaceae (*Trifolium*, *Genista tinctoria*, *Cytisus*, and *Lotus corniculatus*) (STEHLÍK 1988, STEHLÍK & VAVŘINOVÁ 1995, WACHMANN *et al.* 2007). In Moravia and Slovakia, it occurs in hills and mountains on limestone, flysch and volcanic rocks between 250–1000 m a.s.l. (STEHLÍK 1988, STEHLÍK & VAVŘINOVÁ 1995). In Italy it was recorded in humid and shaded places, especially in forest clearings (DIOLI 1974, 1979). **Red List status:** Critically endangered; see the Comments.

**Comments.** In the Czech Republic, *M. junceus* has been known only from six records from the Bílé Karpaty Mts. and the environs of Zlín in south-eastern Moravia (see STEHLÍK 1988, HRADIL *et al.* 2008). KMENT & VILÍMOVÁ (2006) treated *M. junceus* as extinct in the Czech Republic, but it has been recently rediscovered near Starý Hrozenkov in 2007, after 50 years (HRADIL *et al.* 2008). We thus propose to update the species status in the national Red List of threatened invertebrates as critically endangered.

The localisation of the DOBŠÍK's (1950) record is problematical, as the locality labels of Veleslav Lang's material from "Korytná" correspond in fact to several localities sampled by him in August 12–15, 1944, namely the Porážky NNR, Lesná hill, Studený kopec hill near Suchá Loz, the environs of the present Kalábová NM near Březová, and the Lipiny forest near Korytná (LANG 1945; I. Malenovský, pers. comm.).

### Family COREIDAE

#### *Ceraleptus gracilicornis* (Herrich-Schaeffer, 1835) (EN)

**Material examined.** Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 8.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only with Malaise traps in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe. **Biology and habitat:** On Fabaceae (e.g. *Lathyrus*, *Trifolium*, *Medicago*, *Coronilla*, *Onobrychis*, *Lotus*, and *Vicia*). On xerothermic localities (open xerothermic woodland, forest clearings and margins). Rare, all Moravian records except one (see ŠTYS 1959) come from the Pannonicum and its outskirts (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** Endangered.

#### *Ceraleptus lividus* Stein, 1858

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petřůvka, U Petřůvky NM (14), 16.vii.–4.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Žerotín NM (188), 5.–26.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 2.v.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 17.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 3.iv.–6.v.2005, pt, 1 ♂, K. Resl lgt. (PKPC). Trnovský Mlýn, meadow (229), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), on old skull of *Ovis musimon*, 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt., 2.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC); 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in xerothermic sites in the southern part of the area, with one additional record from the north. **General distribution:** European, extending to Anatolia and Iran. **Biology and habitat:** On Fabaceae (e.g. *Trifolium*, *Medicago*, *Lathyrus*, *Vicia*, and *Cytisus scoparius*). A thermophilous species, quite euryecious (on sands, in meadows, lowland forests, and sunny places on rocky substrates), missing from mountain regions. Not rare (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** –.



***Coreus marginatus marginatus* (Linnaeus, 1758)**

**Published records.** STEHLÍK (1988): Bylnice (6974); Blatnice [pod Svatým Antonínkem] (7070). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & VILÍMOVÁ (2010b): Malá Vrbka, [Výzkum hill], restored meadow (208).

**Material examined.** Luhačovice, Ještí, E of Gáborka spring (6), 1.x.2007, 4 ♂♂ 1 ♀, J. Ježek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 10.ix.1999, 1 ♀, I. Malenovský lgt., 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (MUBC). Valašské Klobouky, Královec hill (33), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, U Rybníků (38), 2.vii.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Brumov, Uhlíčky (44), 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀, O. Konvička lgt. (NMPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♂, 5.x.2004, 6 spec., I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Vinohrádky (121), on *Rumex* sp. in field of *Trifolium pratense*, 15.v.1998, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, Lesná hill (123), 15.v.1998, 1 spec., P. Kment observ. Březová, NE slope of Nová hora hill (151), 20.ix.2005, 1 ♀, J. Ježek lgt. (PKPC). Lopeník, Hrubý Mechnáč (157), 29.iv.2000, 1 ♂, M. Horsák lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 2 ♀♀, 22.ix.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Vyškovecké Bošačky, meadow and orchard (180), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), *Quercetum pubescentis* and vineyards, 30.viii.2005, 1 ♀, M. Horsák lgt. (MHBC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 4 ♀♀, I. Malenovský lgt., 25.v.2000, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 27.vii.2000, 1 ♀, I. Malenovský lgt., 2.v.2001, 1 ♀, 17.viii.2002, 6 ♀♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, P. Šmarda lgt. (PSBC); 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂ 1 ♀, P. Kment lgt., 10.ix.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, railway station (237), 9.vii.1998, several spec., P. Kment observ. Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Podširoké Mlýny (249), 22.ix.2005, 2 ♂♂, J. Ježek lgt. (NMPC). Slavkov, Dolnoněmčanské louky NR (250), on *Rumex* sp., 15.v.1998, 1 ♂ 1 ♀ in copula, P. Kment observ. Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley above Hubertova bouda hut (254), 12.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♂, 7.ix.–21.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, on *Rumex* sp., 1 ♀, 9.vii.1998, 1 spec., P. Kment lgt., 8.v.2000, 1 ♂, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♀, 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 8.–28.v.2007, Mt, 1 ♀ (NMPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic, extending to eastern Siberia and north-western

China. **Biology and habitat:** On Polygonaceae (*Rumex*, *Polygonum*, *Rheum undulatum*).

Euryecious, occurring from lowland to mountains. Very common (STEHLÍK 1988,

WACHMANN *et al.* 2007). **Red List status:** –.

### *Coriomeris denticulatus* (Scopoli, 1763)

**Published records.** STEHLÍK (1988): Bylnice (6974); Radějov (7170); Javorník (7171).

**Material examined.** Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂ 1 L, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 7.vi.2008, 1 ♂, J. Ch. Vávra lgt. (OMOC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, 19.vi.2000, 2 ♂♂, P. Kment lgt., 24.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♂, 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in xerothermic localities throughout the area. **General distribution:** West Eurosiberian, extending to Maghreb, the Near East and Iran. **Biology and habitat:** On Fabaceae. Common at lower and medium altitudes in open, warm and dry localities, absent from higher altitudes (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** –.

### *Coriomeris scabricornis scabricornis* (Panzer, 1809) (CR)

**Published record.** BALTHASAR (1942): Luhačovice (68–6972).

**Additional material examined.** BOHEMIA: Tuhaň, Tuhaň NM (5753), sands, 23.v.2008, 1 ♂, Z. Papoušek lgt. (PKPC). Lázně Bohdaneč (5960), 4.viii.2000, 1 ♀, J. Dolanský lgt. et det., P. Kment revid. (VMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected in the course of the recent survey. **General distribution:** Holopalaeartic (except North Africa). **Biology and habitat:** On Fabaceae (e.g. *Trifolium* and *Medicago*), Lamiaceae (*Thymus*, *Ajuga*) and Asteraceae (*Artemisia*, *Helichrysum*) (STEHLÍK 1988, WACHMANN *et al.* 2007). Inhabiting mainly aeolian sands in Moravia, but also found in xerothermic habitats on rocky substrates, largely restricted to the Pannonicum (STEHLÍK 1988). **Red List status:** Critically endangered.

**Comments.** *Coriomeris scabricornis* used to be quite a common species on suitable localities in southern Moravia until 1970s, but disappeared in 1980s and has not been found in Moravia since 1986 (STEHLÍK 1988). The most recent published record for Bohemia comes from Pňov (5956) near Nymburk; the specimen was collected in 1995 (RUS 2005). Two additional recent records from Bohemia are provided here. In Germany, the species is more common in the north and east than in the south and west, and is more common in the lowlands of northern Germany than *C. denticulatus* (WACHMANN *et al.* 2007). This distribution pattern may suggest its recent retreat due to a warming of the climate.

### *Gonocerus acuteangulatus* (Goeze, 1778)

**Published records.** STEHLÍK (1988): Starý Hrozenkov (7073); Radějov, Holý vrch hill (189). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 3.–23.vi.2008, Mt, 1 ♀, 23.vi.–16.vii.2008, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂,

#### True bugs (Hemiptera: Heteroptera)

P. Kment & I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♂, 21.viii.–12.ix.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 2 ♂♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt., 17.ix.2004, 1 ♀, M. Horsák lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♂, Z. Malinka lgt. (ZMOC); 12.v.–2.vi.2009, Mt, 1 ♂, 2.–25.vi.2009, Mt, 2 ♀♀, 25.vi.–15.vii.2009, Mt, 9 ♂♂ 6 ♀♀, 15.vii.–6.viii.2009, Mt, 2 ♂♂, 6.–24.viii.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 2.–22.viii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 5.–24.v.2010, Mt, 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♂, 15.vi.–13.vii.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in xerothermic localities throughout the area, most records coming from its southern part. **General distribution:** North Mediterranean, extending to western and central Europe, and Central Asiatic. **Biology and habitat:** Developing on *Rhamnus cathartica* and *Frangula alnus*, rarely also on other shrubs and deciduous trees (especially those bearing berries) or Cupressaceae. A thermophilous species, avoiding mountain regions. Widespread, not rare (STEHLÍK 1988, 1998a; WACHMANN *et al.* 2007). **Red List status:** –.

#### *Gonocerus juniperi* Herrich-Schaeffer, 1839

**Material examined.** Luhačovice, Aloiska spring environs (1), on introduced Cupressaceae, 12.v.2001, 2 ♂♂, M. Horsák & J. Horsáková lgt. (PKPC). Nedašov, village (51), at church, on *Thuja occidentalis*, 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), on *Juniperus communis*, 25.viii.2002, 1 ♂, P. Kment lgt., 16.vi.2006, 1 ♂, I. Malenovský lgt., 16.viii.2006, 1 L, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), on *Juniperus communis*, 21.ix.2001, 2 ♀♀, P. Kment lgt. (PKPC). Hrubá Vrbka, village (212), on *Thuja occidentalis*, 20.ix.2001, 2 ♀♀ (1 ♀ freshly hatched), P. Kment lgt. (PKPC). Velká nad Veličkou, old cemetery (223), 19.vi.2000, on *Thuja* sp., 1 L3, 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Pinus sylvestris*, 19.vi.2000, 1 L5, P. Kment lgt. (PKPC). Javorník, village (239), on *Thuja* sp., 8.viii.2001, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, both in natural as well as synanthropic habitats. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic. **Biology and habitat:** On Cupressaceae; rare on native *Juniperus communis* under natural conditions, recently more common on non-native cultivated species (e.g. *Thuja occidentalis*) in towns and villages (STEHLÍK 1988, 1998a; WACHMANN *et al.* 2007). We collected one larva (L5) also on *Pinus sylvestris*. **Red List status:** –.

#### *Leptoglossus occidentalis* Heidemann, 1910

**Published records.** KMENT *et al.* (2008), HRADIL *et al.* (2008): Luhačovice, building of the Bílé Karpaty PLA Management (2); Velká nad Veličkou, in a house (7171). HRADIL *et al.* (2008): Lipov (7171).

**Material examined.** Luhačovice, building of the Bílé Karpaty PLA Management (2), 2.x.2009, 1 spec., O. Konvička observ. & det. Radějov, Dolní Mlýny (195), porch of a cottage (48°51'01.89"N 17°21'48.8"E), 15.viii.2010, 1 spec., R. Dohnal observ. & det.

**Distribution and frequency in the Bílé Karpaty PLA:** Rare at present, but probably expanding. **General distribution:** Nearctic (native to western Canada and the United

States); introduced to Europe and Japan. **Biology and habitat:** On various conifers. Euryecious, although most common in urban habitats; commonly seeking hibernation sites in buildings (e.g. WACHMANN *et al.* 2007, FENT & KMENT 2011). **Red List status:** Not evaluated.

**Comments.** An alien species, found in the Czech Republic for the first time in Brno in 2006; subsequently it has quickly spread throughout the entire country (KMENT *et al.* 2008, HRADIL *et al.* 2008).

### *Syromastus rhombeus* (Linnaeus, 1767)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂ 1 L5, P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 1 ♂, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in three xerothermic localities in the central and southern parts of the area. **General distribution:** West Palaearctic. **Biology and habitat:** On Caryophyllaceae. Common in xerothermic habitats, sporadic or absent at higher altitudes (STEHLÍK 1988, WACHMANN *et al.* 2007). **Red List status:** –.

### *Ulmicola spinipes* (Fallén, 1807)

**Published record.** STEHLÍK (1988): Luhačovice (68–6972).

**Material examined.** Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovecké Bošacky, cattle pasture (179), 19.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Vyškovecké Bošacky, meadow and orchard (180), 19.viii.2004, 2 ♂♂ 1 ♀ (1 ♀ freshly hatched), P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, on old skull of *Ovis musimon*, 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 6.v.–4.vi.2005, pt, 1 ♀, K. Resl lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian. **Biology and habitat:** On Fabaceae (e.g. *Trifolium*, *Medicago*, *Melilotus*) (STEHLÍK 1988, WACHMANN *et al.* 2007). In dry to slightly humid, sunlit habitats, preferring higher altitudes (WACHMANN *et al.* 2007). Rare in Moravia, found in hilly landscapes in moderately warm climatic regions (STEHLÍK 1988). **Red List status:** –.

## Family PLATASPIDAE

### *Coptosoma (Coptosoma) scutellatum* (Geoffroy, 1785)

**Published records.** STEHLÍK (1981): Luhačovice, Luhačovická dolina valley (62); Štítná nad Vláří – Popov, Havránkův potok brook (71); Korytná (7071–72); Radějov, Holý vrch hill (189); Kněždub, Čertoryje NNR (202); Javorník (7171); Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245). KMENT (2001), KMENT & VILÍMOVÁ (2010a,b): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Valašské Valašské Klobouky, Bílé

True bugs (Hemiptera: Heteroptera)

potoky NR (46, 47, 48), 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt., 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 1 ♀, 28.vii.2005, 1 ♂ 3 ♀♀, 6.ix.2005, 1 ♂, I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Brumov, Kloboucká street (76), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂ 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Lipov, Pešunk (100), 27.vi.2008, 1 ♂ 2 ♀♀, 10.vii.2009, 3 ♂♂ 2 ♀♀, Z. Malinka lgt. (ZMOC), 1 ♀ NMPC). Hluk, Kobyli hlava NM (101), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 16.viii.2009, 4 ♂♂ 2 ♀♀, P. Baňaf lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♂ 2 ♀♀, P. Kment lgt., 21.vii.2002, 6 ♀♀, I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 24.vii.2005, 2 ♂♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♀, 19.vi.–11.vii.2007, Mt, 4 ♀♀, 11.–31.vii.2007, Mt, 1 ♂ 5 ♀♀, 31.vii.–21.viii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 3 ♀♀, 8.viii.2007, 3 ♀♀, P. Kment lgt. (PKPC). Vyškovské Bošacký, meadow and orchard (180), 19.viii.2004, 6 ♂♂ 6 ♀♀, 24.vii.2005, 4 ♂♂ 5 ♀♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 2 ♂♂, P. Kment lgt. (PKBC, PSBC); 26.vi.–14.vii.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Dolní Mlýn (195), 11.vii.1998, P. Kment observ. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂, 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 28.vii.2001, 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 8.vii.2000, numerous spec., P. Kment observ., 16.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Kůtky NR (217), 4.–26.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂ 1 ♀ in copula, 19.vi.2000, 1 ♂ 1 ♀, P. Kment lgt., 24.vii.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 3 ♂♂ 2 ♀♀, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.2008, 1 ♂ 2 ♀♀, Z. Malinka lgt. (ZMOC); 25.vi.–15.vii.2009, Mt, 1 ♂ 4 ♀♀, 15.vii.–6.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 27.vii.2005, 1 ♂ 5 ♀♀, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, on *Ononis spinosa*, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 19.vi.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt., 18.viii.2000, 2 ♂♂, P. Kment lgt., 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♀, 15.vii.–5.viii.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 2 ♀♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt., 8.viii.2001, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Javorník, railway station (237), 9.vii.1998, several spec., P. Kment observ. Nová Lhota, Vápenky, left-side tributary of Velička river (252), 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC); 15.vi.–13.vii.2010, Mt, 2 ♂♂, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in warm sites throughout the area. **General distribution:** Eurosiberian, extending to Maghreb, Anatolia, Transcaucasia and Iran. **Biology and habitat:** On Fabaceae (e.g. *Coronilla varia*, *Medicago*, *Lotus*, *Astragalus*, *Vicia*, *Onobrychis*, *Genista*, and *Ononis*) in xerothermic habitats. Common (STEHLÍK 1981, WACHMANN *et al.* 2008). **Red List status:** –.

Family CYDNIDAE

*Adomerus biguttatus* (Linnaeus, 1758)

(VU)

**Published records.** STEHLÍK (1983): Brumov, Na Tatrách [= Holý vrch hill] (79); Radějov, Holý vrch hill (189); Kněždub, Čertoryje NNR (202).

**Material examined.** Suchovské Mlýny, meadow (227), 23.vi.2004, 3 ♀♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian, extending to Maghreb and Transcaucasia.

**Biology and habitat:** On and under *Melampyrum* (*M. arvense*, *M. nemorosum*, *M. pratense*), rarely on other Scrophulariaceae (*Rhinanthus*), in open as well as half-shaded habitats, dry to slightly humid, e.g. forest clearings, glades, shrubby slopes, and mountain meadows. Found from 200 m a.s.l. to highest mountain peaks in Moravia. Quite rare (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** Vulnerable.

### *Canthophorus dubius* (Scopoli, 1763)

(VU)

**Published records.** STEHLÍK (1983): Kněždub, Čertoryje NNR (202); Javorník (7171); Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245); Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Horní Němčí, Drahy NR (117), 7.vi.1997, 1 ♀, J. Holuša jun. (MBFC); 15.v.1998, on *Thesium linophyllum*, 2 ♂♂ 3 ♀♀, M. Horsák, J. Horsáková & P. Kment lgt. (PKPC, PSBC); 13.viii.2001, 1 ♀, 23.v.2002, 4 ♂♂ 1 ♀, P. Kment lgt., 21.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♀, P. Kment lgt. (PKPC); 26.vi.–14.vii.2008, Mt, 2 ♂♂ 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Thesium linophyllum*, 14.v.1998, 3 ♂♂ 3 ♀♀, M. Horsák & P. Kment lgt. (MHBC, PKPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in xerothermic localities in the southern part of the area. **General distribution:** European, extending to the Near East and Iran. **Biology and habitat:** On *Thesium* (especially *T. linophyllum*, but also *T. alpinum* and *T. pyrenaicum*) in xerothermic localities in hilly landscapes, in dry grassland as well as meadows; more thermophilous than *C. impressus*. Rare (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** Vulnerable.

### *Canthophorus impressus* (Horváth, 1880)

(NT)

**Published records.** STEHLÍK (1973): [Horní Němčí], Lesná hill (123). STEHLÍK (1983): Kněždub, Čertoryje NNR (202); Javorník (7171); Javorník, Výzkum hill (258); Nová Lhota, Fojtičky mill [= Fojtické Mlýny] (245); Velká nad Veličkou (towards Javorník) (240). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 15.v.1998, on *Thesium linophyllum*, 1 ♀, P. Kment lgt., 30.vi.2001, 2 ♂♂ 8 ♀♀, P. Kment & I. Malenovský lgt., 23.v.2002, 1 ♂ 14 ♀♀, P. Kment lgt., 21.vii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, on *Thesium linophyllum*, 1 ♂, P. Kment lgt., 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♀, 27.vii.2005, 1 ♂, 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 2.vii.2001, 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in xerothermic localities in the southern part of the area. **General distribution:** Eurosiberian, extending to Transcaucasia. **Biology and habitat:** On *Thesium* (especially *T. linophyllum*, but also *T. alpinum* and *T. bavarum*) in xerothermic localities in hilly landscapes, in dry grassland as well as meadows. Rare (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** Near-threatened.

***Legnotus limbosus* (Geoffroy, 1785)**

**Material examined.** Petrůvka, Kladenska brook valley (64), 13.v.–3.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, collected with Malaise traps only, rare. **General distribution:** West Palaearctic. **Biology and habitat:** On *Galium* spp. (e.g. *G. verum*, *G. aparine*, *G. mollugo*), rarely on Lamiaceae; especially the larvae dwell on the ground under the host plants. In warm, dry to humid sites, open habitats as well as forest undergrowth, including floodplain forests. Widespread, not rare (STEHLÍK 1983, ŠTEPANOVIČOVÁ & DEGMA 1999, WACHMANN *et al.* 2008). **Red List status:** –.

***Sehirus luctuosus* Mulsant et Rey, 1866**

**Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 3 ♂♂, I. Malenovský lgt., 25.v.2000, 2 ♀♀, 2.v.2001, 2 ♂♂, 28.vii.2001, 2 ♂♂, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook NW of Machová hill (257), on a stone on the bank, 14.v.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only in two sites in the southern part of the area. **General distribution:** West Palaearctic. **Biology and habitat:** On Boraginaceae (*Echium*, *Myosotis*, *Anchusa*), but both larvae and adults are also found under/on *Verbascum* and *Cerastium*. In xerothermic, open habitats, especially on sandy substrates, often in ruderal sites or forest clearings. Widespread, not rare (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** –.

***Sehirus morio* (Linnaeus, 1761)**

**(EN)**

**Published record.** DLABOLA (1943): Javorník (7171).

**Material examined.** Brumov, Holý vrch hill (79), 14.vi.1971, 2 ♀♀, L. Pospíšilová lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not collected during the present survey. **General distribution:** Holopalaearctic (except easternmost Asia). **Biology and habitat:** On Boraginaceae (*Echium*, *Anchusa*, *Cynoglossum*, *Borago*), also found under *Verbascum thapsus*, preferring xerothermic habitats on sandy substrates. In Moravia found from plains to mountain tops. Very rare (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** Endangered.

***Tritomegas bicolor* (Linnaeus, 1758)**

**Material examined.** Louka, Hloží NR (106), 24.iv.1999, 1 ♂, M. Horsák lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), on *Ballota nigra*, 17.viii.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 28.vii.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, 1 ♂, P. Bezděčka lgt., 18.vi.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), on *Ballota nigra*, 8.vii.2000, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC); 8.iv.–12.v.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232),

6.iv.–12.v.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♂ 1 ♀, 12.viii.–9.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area. **General distribution:** Holopalaeartic. **Biology and habitat:** On Lamiaceae, mostly *Lamium* (*L. album*, *L. maculatum*, *L. purpureum*), rarely on *Stachys*, *Ballota nigra*, or *Ajuga*. In open or half-shaded habitats, dry to humid, such as open woodland, forest margins and tall ruderal vegetation. Quite widespread in Moravia, although sporadic in cold regions (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** –.

#### *Tritomegas sexmaculatus* (Rambur, 1839)

**Material examined.** Petrůvka, U Petrůvký NM (14), 13.v.–3.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, railway station environs (83), 21.v.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Louka, Hloží NR (106), 24.iv.1999, 4 ♂♂ 2 ♀♀, M. Horsák lgt. (MHBC, PKPC, VURV). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 5 ♂♂ 2 ♀♀, 5.–26.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, between village and Výzkum hill (205), on *Ballota nigra*, 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), on *Ballota nigra*, 8.vii.2000, 1 ♀ 9 spec., P. Kment lgt. (PKPC). Javorník, village (239), on *Ballota nigra*, 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 25.v.1999, 1 ♀, H. Hiršová lgt. (MUBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, although it is rare in its central and northern parts. **General distribution:** North Mediterranean, extending to central Europe and Iran. **Biology and habitat:** On *Ballota nigra*, rarely on other Lamiaceae (*Lamium*, *Stachys*) in forest undergrowth and ruderal sites; a more xero- and thermophilous species than *T. bicolor*. Common (STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** –.

### Family THYREOCORIDAE

#### *Thyreocoris fulvipennis* (Dallas, 1851)

**Published record.** KMENT *et al.* (2003): Kněždub, Járkovec brook valley below Čertoryje NNR (202).

**Material examined.** Radějov, Žerotín NM (188), 26.vi.–14.vii.2008, Mt, 1 ♂ 3 ♀♀, 14.vii.–5.viii.2008, Mt, 3 ♂♂ 5 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Additional material examined.** MORAVIA: Brno – Černovice, Černovická pískovna sand-pit (6865), 1.v.2012, 1 ♂, P. Kment lgt. (PKPC). Dolní Dunajovice, Dunajovické kopce NNM (7165), 12.v.2003, 1 ♂, S. Bílý lgt. (NMPC). Sedlec, Skalky (7266, N 48°46'35" E16°40'12"), 20.iv.2010, 1 ♀, J. Dolanský (VMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, collected only at three xerothermic sites in the southernmost part of the PLA. **General distribution:** West and North Mediterranean, extending to the Pannonicum. **Biology and habitat:** On and under



*Viola tricolor*. In xerothermic habitats (e.g. dry grassland on sand) (ŠTYS & DAVIDOVÁ 1980). **Red List status:** –.

**Comments.** *Thyreocoris fulvipennis* was recorded for the Czech Republic for the first time by STEHLÍK (1998b, as *T. fulvinervis*) from southernmost Moravia (the environs of Poštorná, 7267). In subsequent years, it has been rapidly spreading in southern and central Moravia (e.g. KMENT & BRYJA 2001, as *T. fulvinervis*; BRYJA *et al.* 2002, as *T. fulvinervis*; KMENT *et al.* 2003; HRADIL *et al.* 2008).

#### *Thyreocoris scarabaeoides* (Linnaeus, 1758)

**Material examined.** Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** West Eurosiberian, extending to Maghreb and Anatolia. **Biology and habitat:** On and under *Viola* (*V. tricolor*) and some other plants in xerothermic localities, especially on sandy substrates; often found in plant litter. Quite common (ŠTYS & DAVIDOVÁ 1980, STEHLÍK 1983, WACHMANN *et al.* 2008). **Red List status:** –.

### Family SCUTELLERIDAE

#### *Eurygaster austriaca* (Schrank, 1778)

(NT)

**Published records.** STEHLÍK (1995a): Bánov, Skalky hill (125). KMENT (2001): Kněždub, Čertoryje NNR (202). **Material examined.** Malá Vrbka, Výzkum hill, restored grassland (208), 28.vii.2001, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Rare, scattered throughout the area except its north-eastern part. **General distribution:** Holomediterranean, extending to western and central Europe. **Biology and habitat:** On Poaceae, older larvae and young adults suck on plants of various other families. Euryecious, distributed from lowlands to mountain regions (up to 1330 m a.s.l.). Rare, possibly retreating (STEHLÍK 1995a, WACHMANN *et al.* 2008). **Red List status:** Near-threatened.

**Comments.** The West-Mediterranean subspecies *Eurygaster austriaca seabrai* China, 1938 was re-synonymised with the nominotypical subspecies by RIEGER (2011).

#### *Eurygaster maura* (Linnaeus, 1758)

**Published records.** STEHLÍK (1995a): Boršice [u Blatnice] (towards Hluk) (105); Radějov (7170); Velká nad Veličkou (7171). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & VILÍMOVÁ (2010b): Horní Němčí, Drahy NR (117).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 1.vi.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt., 24.viii.2002, 2 ♀♀, 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 2 ♀♀, I. Malenovský lgt., 28.vii.2005, 1 ♂, 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov,

Jalovcová stráň NR (54), 25.viii.2002, 1 ♂ 1 ♀, P. Kment lgt., 1.ix.2004, 1 ♂, I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♂ 1 ♀, 21.ix.2001, 1 ♂, 23.v.2002, 1 ♂, P. Kment lgt., 21.vii.2002, 7 ♂♂ 5 ♀♀, I. Malenovský lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Lopeník, U Zvonice NM (155), 3.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Výškovce, Pod Hřibovňou NM (176), 28.vi.2004, 3 ♀♀, I. Malenovský lgt. (PKPC). Výškovce Bošačky, cattle pasture (179), 3.ix.2005, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Výškovce Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 2 ♂♂, P. Kment lgt. (PKPC); 14.v.–4.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♂, P. Kment lgt., 18.v.2002, 3 ♀♀, I. Malenovský lgt., 28.vii.2001, 1 ♂ 2 ♀♀, 17.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♂ 6 ♀♀, 27.vii.2000, 2 ♀♀, I. Malenovský lgt., 16.viii.2000, 1 ♂, P. Kment lgt., 1.x.2000, 1 ♂, 22.vi.2001, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 4 ♂♂ 5 ♀♀, 17.viii.2002, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC); along road to Radějov, 16.viii.2009, 1 ♀, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 15.vii.–5.viii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂, P. Kment lgt., 18.iv.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC); 17.ix.2004, 1 ♂, M. Horsák lgt. (MHBC); 6.–24.viii.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 23.vi.2004, 1 ♀, 16.viii.2004, 1 ♂ 2 ♀♀, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 23.vi.2004, 1 ♀, 1.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., 8.viii.2001, 1 ♂, P. Kment lgt., 17.vii.2002, 1 ♂, 7.ix.2002, 1 ♀, 23.vi.2004, 1 ♀, 2.ix.2004, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 10.viii.–7.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♀, P. Kment lgt., 21.ix.2001, 1 ♀, 20.vii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 22.vi.–24.vii.2003, pt, 2 ♀♀, K. Resl lgt. (PKPC). Strání, Nová hora NR (268), 25.v.1999, 1 ♂, H. Hiršová lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.vii.–6.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** West Palaearctic, extending to East Siberia. **Biology and habitat:**

On Poaceae (*Agrostis*, *Bromus*, *Dactylis*, *Festuca*, cultivated cereals, etc.), older larvae and adults also on other plants. Euryecious, although it prefers drier places than *E. testudinaria*. Very common (STEHLÍK 1995a, WACHMANN *et al.* 2008). **Red List status:** –.

### *Eurygaster testudinaria testudinaria* (Geoffroy, 1785)

**Published records.** STEHLÍK (1995a): Lipová (towards Haluzice) (16); Hrádek (towards Hostětín) [= Rokytnice, Bukovina hill] (6973a4); Bylnice (6974); Sidonie (6974); Horní Němčí (7071); Strání (70–7172); Kněždub (7170); Javorník (7171); Nová Lhota (7171); Velká nad Veličkou (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♂, P. Kment lgt. (PKPC); 13.v.–3.vi.2008, Mt, 1 ♀, 4.–25.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂ 4 ♀♀, 2.vii.1999, 1 ♂, P. Kment & I.

Malenovský lgt., 10.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Poteč, Ploščiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 1 ♂, P. Kment lgt., 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 3 ♂♂ 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 3 ♂♂, 3.vii.1999, 1 ♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂ 1 ♀, P. Kment lgt., 30.vi.2004, 1 ♀, 28.v.2005, 1 ♂, 28.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♂, 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♂, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Kloboucká street (76), 28.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 21.vii.2002, 2 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Březová, spring fen ca. 600 m SE below Studený vrch hill (138), 5.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♂, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♂♂ 1 ♀, 9.–29.v.2007, Mt, 1 ♂ 2 ♀♀, 29.v.–19.vi.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 2 ♂♂ 1 ♀, 31.vii.–21.viii.2007, Mt, 4 ♂♂ 5 ♀♀, 21.viii.–12.ix.2007, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt., 25.ix.2004, 1 ♀, P. Kment lgt., 3.ix.2005, 4 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Vyškovské Bošačky, meadow and orchard (180), 21.v.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♂ 1 ♀, 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 26.vi.–15.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂ 1 ♀, P. Kment lgt. (MHBC); 13.vii.1998, 3 ♂♂ 1 ♀, 19.vi.2000, 4 ♂♂ 10 ♀♀, 18.viii.2000, 2 ♂♂, P. Kment lgt., 9.–10.ix.2000, 4 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♀, Z. Malinka lgt. (ZMOC); 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 15.vii.1998, 1 ♀, P. Šmarda lgt. (PSBC); 6.v.2000, 1 ♂ 1 ♀, 19.vi.2000, 2 ♂♂ 1 ♀, I. Malenovský lgt., 18.viii.2000, 8 ♂♂ 6 ♀♀, P. Kment lgt., 10.ix.2000, 3 ♂♂ 1 ♀, 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 5.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 23.vi.2004, 1 ♀, 2.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 29.vi.2001, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♂, 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Vápenky, Velička brook valley above Hubertova bouda hut (254), 12.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂ 6 ♀♀, 9.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Strání, Mechnáčky NM (264), pool, 2.vi.2007, 1 ♀, P. Komzák lgt. (PKBC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC). Strání, Nová hora NR (268), 25.v.1999, 1 ♂ 1 ♀, H. Hiršová lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic. **Biology and habitat:** On Cyperaceae, Juncaceae and Poaceae. Hygrophilous, in open to half-shaded habitats, such as tall sedge stands, swamps, wet meadows and salt marshes. Common (STEHLÍK 1995a, WACHMANN *et al.* 2008). **Red List status:** –.

***Odontotarsus purpureolineatus* (Rossi, 1790) (NT)**

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 17.ix.2004, 1 ♂ 1 ♀, M. Horský lgt. (MHBC, PKPC); 29.viii.2005, 1 ♂, M. Horský lgt. (MHBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only in one xerothermic locality in the southern part of the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic. **Biology and habitat:** A polyphagous phytophage (e.g. on *Sanguisorba*, Lamiaceae, Asteraceae, and *Linum*). In dry grassland (STEHLÍK 1995a, WACHMANN *et al.* 2008). In Moravia mostly in the Pannonicum and on its outskirts, locally common (STEHLÍK 1995a). **Red List status:** Near-threatened.

**Family PENTATOMIDAE*****Aelia acuminata* (Linnaeus, 1758)**

**Published records.** STEHLÍK (1985): Kněždub (7071), Strání (70–7172), Radějov (7071), Javorník (7171). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & MALENOVSKÝ (2008): Strání, Záhumenice NM (266). **Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 2 ♀♀, 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 2 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt., 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt., 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt., 1.vi.2002, 3 ♂♂ 3 ♀♀, I. Malenovský lgt., 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 28.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 2 ♀♀, 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 1 ♂, 1.ix.2004, 2 ♂♂ 1 ♀, 5.x.2004, 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (MUBC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♀, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 4.–25.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Na Stráži (77), 18.viii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Hluk, Kobyly hlava NM (101), 24.viii.2002, 2 ♂♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 2 ♂♂ 4 ♀♀, 16.viii.2009, 4 ♂♂ 9 ♀♀, P. Baňar lgt. et det. (MMBC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 15.v.1998, 1 ♂, P. Kment lgt., 10.ix.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt., 30.vi.2001, 1 ♂, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♂ 4 ♀♀, 21.ix.2001, 4 ♂♂ 1 ♀, 23.v.2002, 1 ♂ 1 ♀, P. Kment lgt., 21.vii.2002, 8 ♂♂ 1 ♀, I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂, O. Konvička lgt. (NMPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 16.v.1998, 1 ♀, P. Kment lgt. (PKPC). Strání, Obecnice hill, at transmission tower (144), 9.viii.2001, 1 L4, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂, 8.viii.2007, 1 ♀, 22.ix.2007,

#### True bugs (Hemiptera: Heteroptera)

1 ♀, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC); 14.v.–4.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♀, 5.–26.viii.2008, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♀, 17.viii.2000, 1 ♀, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 8.ix.2000, 1 ♂, I. Malenovský lgt., 22.vi.2001, 1 ♂, 20.ix.2001, 1 ♀, P. Kment lgt., 18.v.2002, 4 ♂♂ 3 ♀♀, 27.vi.2002, 1 ♀, I. Malenovský lgt., 4.x.2002, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 3 ♂♂ 4 ♀♀, I. Malenovský lgt., 25.v.2000, 3 ♂♂ 10 ♀♀, P. Kment & I. Malenovský lgt., 27.vii.2000, 1 ♀, I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt., 2.v.2001, 7 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 28.vii.2001, 2 ♂♂ 1 ♀, P. Kment lgt., 18.v.2002, 8 ♂♂ 17 ♀♀, 27.vi.2002, 1 ♂ 1 ♀, I. Malenovský lgt., 17.viii.2002, 2 ♀♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, 200 m NW of the top (209), 13.ix.2004, 1 ♀, M. Horsák lgt. (MHBC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC); 16.viii.2009, along road to Radějov, 1 ♂, P. Kment lgt. (PKPC). Radějov, Kútky NR (217), 11.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou (220), 29.vi.1986, 1 ♀, J. Vilímová lgt. (JVPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♀, 13.vii.1998, 1 ♀, 19.vi.2000, 1 ♀, 18.viii.2000, 2 ♂♂, P. Kment lgt., 9.–10.ix.2000, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 29.viii.2005, 1 ♂, M. Horsák lgt. (MHBC); 6.–24.viii.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 1 ♂, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Trnovský Mlýn, sheep pasture (228), 16.viii.2004, 1 ♂, P. Kment lgt. (PKPC). Trnovský Mlýn, meadow (229), 1.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♂, 19.vi.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 10 ♂♂ 3 ♀♀, P. Kment lgt., 10.ix.2000, 2 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♀, I. Malenovský lgt., 8.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 24.v.2002, 1 ♀, 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 2 ♂♂ 2 ♀♀, 24.v.2002, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt., 7.ix.2002, 1 ♀, 23.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, 22.vi.–15.vii.2009, Mt, 1 ♂, 16.ix.–22.x.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, 9.vii.1998, 1 ♀, P. Kment lgt., 8.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC); 22.viii.–10.ix.2007, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 2.vii.2001, 2 ♀♀, I. Malenovský lgt., 9.viii.2001, 1 ♂, P. Kment lgt., 21.ix.2001, 3 ♀♀, 23.v.2002, 1 ♂ 3 ♀♀, 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 2 ♀♀, I. Malenovský lgt., 9.viii.2001, 1 ♂, 23.v.2002, 7 ♂♂ 4 ♀♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 21.viii.2002, 1 ♂, P. Kment lgt. (PKPC); 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 3.–23.vi.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaearctic (except easternmost Asia). **Biology and habitat:**

On Poaceae (especially *Festuca*, *Poa*, *Agrostis*, *Dactylis*, *Lolium*, *Bromus*, including cultivated cereals). Euryecious, missing only in very humid habitats. Very common (STEHLÍK 1985, WACHMANN *et al.* 2008). **Red List status:** –.

#### *Arma custos* (Fabricius, 1794)

**Published records.** STEHLÍK (1987): Malá Vrbka, Panský les forest (7170); Radějov, “Rozsocháč”, valley of the Mandát stream (214).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 47, 48), 9.ix.1999, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 spec., P. Kment observ. Malá Vrbka, Výzkum hill, restored

grassland (208), 27.vii.2000, 1 ♂, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 19.vi.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** Zoophagous, preying mainly on larvae and adults of *Agelastica alni* (Linnaeus, 1758) and other Chrysomelidae, but able to consume also larvae of *Elasmucha grisea* and other insects as well. Arboricolous, most common on *Alnus glutinosa*, less frequently on other deciduous trees and shrubs and even conifers. In dry to humid habitats, preferring sunlit forest margins and solitary trees. Widespread, not rare (STEHLÍK 1987, WACHMANN *et al.* 2008). **Red List status:** –.

### *Carpocoris (Carpocoris) fuscispinus* (Boheman, 1851)

**Published records.** STEHLÍK (1986): Bánov, Skalky hill (125); Komňa, 500 m NNW of Nový Dvůr (129). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Valašské Klobouky, Dobšená NM (31), 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 16.viii.2009, 3 ♂♂ 1 ♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 3 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 3.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.–31.vii.2007, Mt, 1 ♀, 31.vii.–21.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♀, P. Kment lgt. (PKPC); 20.ix.2001, 2 ♂♂, M. Omesová lgt. (MUBC). Kněždub, Čertoryje NNR (202), 28.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 1 ♂ 1 ♀, I. Malenovský lgt., 25.v.2000, 2 ♀♀, P. Kment & I. Malenovský lgt., 27.vii.2000, 1 ♂, I. Malenovský lgt., 16.viii.2000, 1 ♂, P. Kment lgt., 28.vii.2001, 1 ♂, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Vápenky, Porážky NNR (247), 28.viii.2001, 1 ♀, M. Just lgt. (MJBC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Holopalaeartic, extending to India. **Biology and habitat:** A polyphagous phytophage. Euryecious, the least thermophilous one among the central European *Carpocoris* species. Very common (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

### *Carpocoris (Carpocoris) purpureipennis* (De Geer, 1773)

**Published records.** STEHLÍK (1986): Štítná nad Vláří (6973); Brumov (6974); Horní Němčí (7071); Bánov (7072); Strání (70–7172); Starý Hrozenkov (7073); Javorník (7171); Nová Lhota (7171); Velká nad Veličkou (7171). KMENT (2001), KMENT & MALENOVSKÝ (2008): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 25.viii.–23.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J.

True bugs (Hemiptera: Heteroptera)

Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.1999, 1 ♂ 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 2 ♂♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploščíny NR (42), 13.ix.1999, 3 ♂♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 24.viii.2002, 1 ♂, 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Brumov, Uhličky (44), 28.vii.2005, 1 ♀, 4.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 16.vi.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♂, M. Horsák & P. Kment lgt., 14.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♂, 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♀, P. Kment lgt., 1.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♂, I. Malenovský lgt., 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt., 16.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Pitín (72), 20.vii.1957, 1 ♂ 2 ♀♀, Ondřej lgt. (MMBC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♂, 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 2 ♂♂ 1 ♀, 28.v.2005, 2 ♀♀, 6.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 2 ♂♂, I. Malenovský & M. Omesová lgt., 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♂ 1 ♀, P. Kment lgt., 21.vii.2002, 1 ♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂ 1 ♀, O. Konvička lgt. (NMPC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♂♂ 4 ♀♀, 9.–29.v.2007, Mt, 2 ♀♀, 19.vi.–11.vii.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 4 ♀♀, 31.vii.–21.viii.2007, Mt, 2 ♀♀, 21.viii.–12.ix.2007, Mt, 2 ♀♀, 12.ix.–2.x.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 2 ♂♂, 8.viii.2007, 1 ♀, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Výškovec, Pod Hribovňou NM (176), 28.vi.2004, 1 ♂, 3.ix.2005, 2 ♂♂ 3 ♀♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♀, 25.ix.2004, 1 ♂, P. Kment lgt., 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 5.–26.viii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 8.vii.2000, 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR (202), 22.vi.2001, 1 ♂, 28.vii.2001, 1 ♀, P. Kment lgt. (PKPC); 13.v.2007, 1 ♀, P. Bogusch lgt. (PBPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 3 ♂♂ 4 ♀♀, I. Malenovský lgt., 25.v.2000, 4 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 2 ♂♂, I. Malenovský lgt., 1.x.2000, 1 ♂, P. Kment & I. Malenovský lgt., 2.v.2001, 1 ♂, 22.vi.2001, 1 ♂ 1 ♀, P. Kment lgt., 28.vii.2001, 2 ♀♀, I. Malenovský lgt., 17.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂, P. Kment lgt., 28.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 3 ♂♂ 2 ♀♀, 13.vii.1998, 1 ♂ 2 ♀♀, 18.viii.2000, 3 ♂♂ 1 ♀, P. Kment lgt., 9.–10.ix.2000, 2 ♂♂ 1 ♀ (1 ♂ freshly hatched), P. Kment & I. Malenovský lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♀, Z. Malinka lgt. (ZMOC); 8.iv.–12.v.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 26.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Suchovské Mlýny, meadow (227), 1.x.2004, 1 ♂, 27.vii.2005, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 3 ♂♂ 2 ♀♀, 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 2 ♂♂ 2 ♀♀, P. Kment lgt., 10.ix.2000, 2 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♂, 5.–24.viii.2009, Mt, 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nová Lhota, Hryzácké Mlýny (246), 24.viii.–16.ix.2009, Mt, 1 ♀, 16.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J.

Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC); 28.viii.2001, M. Just lgt. (MJBC). Javorník, Machová NR (259), 14.v.1998, 3 ♂♂ 1 ♀, 9.vii.1998, 1 ♂, P. Kment lgt., 8.v.2000, 1 ♂ 4 ♀♀, I. Malenovský lgt. (PKPC); 28.v.–18.vi.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♂ 1 ♀, 2.–22.viii.2007, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice, cattle pasture (265), 9.viii.2001, 1 ♂, P. Kment lgt., 21.ix.2001, 1 ♀, 23.v.2002, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 12.viii.–9.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Nová hora NR (268), 25.v.1999, 1 ♂, H. Hiršová lgt. (PKPC). Strání, Javorina NNR, forest (269), valley of Velička spring, 31.viii.2005, 2 ♀♀, M. Horsák lgt. (MHBC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area. **General distribution:** Holopalaeartic, extending to India. **Biology and habitat:** A polyphagous phytophage. Euryecious. Very common (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

### *Chlorochroa (Rhytidolomia) juniperina juniperina* (Linnaeus, 1758) (CR)

= *Pitedia juniperina juniperina* (Linnaeus, 1758)

**Published records.** BALTHASAR (1945): Luhačovice (68–6972). HRADIL *et al.* (2008), KMENT & MALENOVSKÝ (2008): Nedašov, Jalovcová stráň NR (54).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, recently collected only in a single locality in the northern part of the area. **General distribution:** Eurosiberian, extending to Maghreb, Anatolia and Iran. **Biology and habitat:** On *Juniperus communis* (STEHLÍK 1986, HRADIL *et al.* 2008, WACHMANN *et al.* 2008). Not found on introduced Cupressaceae by STEHLÍK (1998a), a record from *Thuja occidentalis* from Karlovice – Soláň (6675) (HRADIL *et al.* 2008) seems exceptional. **Red List status:** Critically endangered.

**Comments.** Very rare in Moravia (STEHLÍK 1986), recorded from nine localities only; its recent occurrence was confirmed after 40 years by HRADIL *et al.* (2008) in the Moravskoslezské Beskydy Mts. and the northern parts of the Bílé Karpaty Mts.

### *Chlorochroa (Rhytidolomia) pinicola* (Mulsant et Rey, 1852)

= *Pitedia pinicola* (Mulsant et Rey, 1852)

**Published record.** SPITZNER (1892, as *Pentatoma juniperina*): Luhatschowitz [= Luhačovice] (68–6972).

**Material examined.** Velká nad Veličkou, Zahrady pod Hájem NNR (225), on *Pinus sylvestris*, 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, recently collected only in one locality in the southern part of the area. **General distribution:** Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** On *Pinus sylvestris*, rarely on other conifers. Widespread; rare in Moravia, most often collected in xerothermic localities (aeolian sands, dry grassland on rock) (STEHLÍK 1986, 1998a; WACHMANN *et al.* 2008). **Red List status:** –.



*Dolycoris baccarum* (Linnaeus, 1758)

**Published records.** STEHLÍK (1985): Lipová (6873); Nedašova Lhota (6874); Štítná nad Vláří (6973); Boršice [u Blatnice] (7071); Horní Němčí (7071); Strání (70–7172); Radějov (7170); Javorník (7171); Nová Lhota (7171). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Luhačovice, Ještí, E of Gáborka spring (6), 1.x.2007, 1 ♀, J. Ježek lgt. (NMPC). Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC); 13.v.–3.vi.2008, Mt, 1 ♀, 16.vii.–4.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♂, 2.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 1.x.2007, 1 ♂, O. Konvička lgt. (PKPC). Valašské Klobouky, Javorůvky NR (32), 22.v.1999, 3 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 1.ix.2004, 4 ♂♂, I. Malenovský lgt., 4.ix.2005, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 1.ix.2004, 3 ♂♂ 1 ♀, 5.x.2004, 1 ♂ 2 ♀♀, 28.v.2005, 1 ♀, 28.vii.2005, 1 ♀, I. Malenovský lgt., 16.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 17.vi.2006, 1 ♂, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Nedašov, meadow E of Jalovcová stráž NR (59), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♂, O. Konvička lgt. (NMPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 1.vii.1999, 1 ♂, P. Kment & M. Omesová lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.v.2005, 1 ♂, 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 11.vii.2009, 4 ♂♂ 2 ♀♀, P. Baňaf lgt. et det. (MMBC). Horní Němčí, Drahý NR (117), 15.v.1998, 1 spec., P. Kment lgt., 10.ix.1998, 2 ♂♂, I. Malenovský & M. Omesová lgt., 30.vi.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♂, P. Kment lgt., 21.vii.2002, 2 ♂♂ 5 ♀♀, I. Malenovský lgt., 24.vii.–22.viii.2003, pt, 1 ♂, K. Resl lgt. (PKPC). Horní Němčí, Vinohrádky (121), 20.vii.2002, 1 ♂, I. Malenovský lgt. (PKPC). Slavkov, forest below Dolnoněmčanské louky NR (124), forest clearing, 15.v.1998, 1 ♀, P. Kment lgt. (PKPC). Komňa, Lom Rasová NM (128), 5.vii.2001, 2 ♂♂, P. Kment & I. Malenovský lgt. (PKPC). Korytná, Lubná pond (134), 5.vii.2001, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂ 1 ♀, O. Konvička lgt. (NMPC). Strání, Klanečnice brook valley above Žabka reservoir (142), 10.vii.1998, P. Kment observ. Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♂, K. Hradil lgt. et det. (KHMC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 18.viii.2004, 2 ♀♀, P. Kment lgt., 25.ix.2004, 1 ♀, 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 2 ♀♀, 9.–29.v.2007, Mt, 2 ♂♂ 3 ♀♀, 29.v.–19.vi.2007, Mt, 3 ♀♀, 11.–31.vii.2007, Mt, 2 ♂♂ 1 ♀, 31.vii.–21.viii.2007, Mt, 1 ♀, 12.ix.–2.x.2007, Mt, 2 ♀♀, 2.–31.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 L, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, 8.viii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, village (172), 6.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Pod Hřibovňou NM (176), 28.vi.2004, 1 ♂, I. Malenovský lgt., 25.ix.2004, 1 ♂, 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Vyškovec, Bošačky, cattle pasture (179), 24.vii.2005, 1 ♂, P. Kment lgt., 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Vyškovec, Bošačky, meadow and orchard (180), 21.v.2005, 3 ♀♀, I. Malenovský lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂, P. Kment lgt. (PKBC); 14.v.–4.vi.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 2 ♀♀, 5.–26.viii.2008, Mt, 1 ♂ 1 ♀, 24.ix.–27.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždubský háj forest (197), 8.vii.2000, 1 ♀, 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 1 ♂, P. Bezděčka lgt., 5.v.2000, 3 ♂♂ 5 ♀♀, I. Malenovský lgt., 25.v.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt., 18.vi.2000,

2 ♂♂ 1 ♀, 27.vii.2000, 1 ♀ (freshly hatched), I. Malenovský lgt., 16.viii.2000, 1 ♀, P. Kment lgt., 1.x.2000, 2 ♀♀, 22.x.2000, 1 ♀, P. Kment & I. Malenovský lgt., 2.v.2001, 1 ♀, 22.vi.2001, 1 ♀, P. Kment lgt., 28.vii.2001, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Kněždub, Malá Vrbka, Výzkum hill, 200 m NW of the top (209), 13.ix.2004, 1 ♂, M. Horsák lgt. (MHBC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 spec., P. Kment observ. (PKPC). Hrubá Vrbka, village (212), 9.–12.vii.2009, 1 ♀, Z. Malinka lgt. (ZMOC). Radějov, Kútky NR (217), 11.vii.1998, P. Kment observ. Velká nad Veličkou (220), 29.vi.1986, 1 ♀, J. Vilímová lgt. (JVPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, P. Kment lgt., 13.vii.1998, 1 spec., P. Kment observ., 18.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♂, 18.viii.2000, 1 ♂, P. Kment lgt., 9.–10.ix.2000, 3 ♂♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♂ 2 ♀♀, Z. Malinka lgt. (ZMOC); 8.iv.–12.v.2009, Mt, 1 ♂ 4 ♀♀, 6.–24.viii.2009, Mt, 1 ♂, 24.viii.–14.ix.2009, Mt, 1 ♂ 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♂ 2 ♀♀, 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 27.vii.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 2 ♂♂, 19.vi.2000, 1 ♂, I. Malenovský lgt., 18.viii.2000, 1 ♂ 4 ♀♀, P. Kment lgt., 10.ix.2000, 3 ♂♂ 2 ♀♀, 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 3 ♂♂ 5 ♀♀, 12.v.–2.vi.2009, Mt, 1 ♂ 1 ♀, 15.vii.–5.viii.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♀, 24.viii.–14.ix.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 17.vii.2002, 3 ♀♀, 7.ix.2002, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 3.v.2001, 2 ♂♂, 24.v.2002, 1 ♂, P. Kment & I. Malenovský lgt., 7.ix.2002, 1 ♀, 23.vi.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 2 ♀♀, 4.–24.viii.2009, Mt, 1 ♂, 16.ix.–22.x.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♀ (freshly hatched), P. Kment lgt. (PKPC). Vápenky, Velička brook valley above Hubertova bouda hut (254), 12.vii.1998, 1 spec., P. Kment observ. Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 7.iv.–5.v.2010, Mt, 1 ♂ 1 ♀, 13.vii.–10.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♂, P. Kment lgt., 9.vii.1998, 1 spec., P. Kment observ., 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♂ 1 ♀, 8.–28.v.2007, Mt, 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♂, 9.vii.–2.viii.2007, Mt, 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt., 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 5 ♀♀, 8.–28.v.2007, Mt, 1 ♀, 28.v.–18.vi.2007, Mt, 1 ♀, 9.vii.–2.viii.2007, Mt, 1 ♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, above Záhumenice NM (263), 10.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Strání, Záhumenice, cattle pasture (265), 21.ix.2001, 1 ♀, 23.v.2002, 1 ♂ 1 ♀, 20.vii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Strání, Záhumenice NM (266), 24.v.2001, 1 ♂ 1 ♀, I. Malenovský lgt., 2.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt., 23.v.2002, 1 ♀, P. Kment lgt. (PKPC); 12.viii.–9.ix.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Nová hora NR (268), 16.v.1998, 1 ♀, P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 4.vii.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC); 7.iv.–13.v.2009, Mt, 1 ♀, 15.vii.–6.viii.2009, Mt, 3 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic, extending to India. **Biology and habitat:** A polyphagous phytophage. Euryecious. Very common (STEHLÍK 1985, WACHMANN *et al.* 2008). **Red List status:** –.

### *Eurydema (Eurydema) oleracea* (Linnaeus, 1758)

**Published records.** STEHLÍK (1986): Lipová (6873); Boršice [u Blatnice] (7071); Bánov (7072). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & VILÍMOVÁ (2010b): Malá Vrbka, [Výzkum hill], restored meadow (208).

**Material examined.** Valašské Klobouky, Královec hill (33), 22.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Jalovcová

#### True bugs (Hemiptera: Heteroptera)

stráň NR (54), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 2 ♂♂ 1 ♀, Malenovský lgt. (PKPC). Lopeník, Hrubý Mechnáč (157), 29.iv.2000, 1 ♂, M. Horsák lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Výskovecké Bošačky, meadow and orchard (180), 25.ix.2004, 1 ♀, P. Kment lgt. (PKPC). Petrov, Chorvátky (185), 19.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.vii.–5.viii.2008, Mt, 1 ♂, 24.ix.–27.x.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, on *Alliaria petiolata*, 1 ♂ 1 ♀ in copula, P. Kment lgt. (PKPC); 14.vii.1998, 1 spec., P. Kment observ. Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 16 ♂♂ 13 ♀♀, I. Malenovský lgt., 25.v.2000, 6 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 18.vi.2000, 2 ♀♀, I. Malenovský lgt., 8.vii.2000, 1 ♂, 2.v.2001, 2 ♂♂ 3 ♀♀, P. Kment lgt., 28.vii.2001, 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, 300–400 m E of the top (210), 17.iv.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.viii.2000, 2 ♂♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.iv.–12.v.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 7.iv.–12.v.2009, Mt, 3 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♂, 7.ix.–21.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 spec., P. Kment observ. Strání, Nová hora NR (268), 25.v.1999, 1 ♂ 1 ♀, H. Hiršová lgt. (MUBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic (except easternmost Asia). **Biology and habitat:**

On Brassicaceae. Euryecious, an occasional pest of vegetables. Very common (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

#### *Eurydema (Rubrodorsalium) dominulus* (Scopoli, 1763)

**Published record.** STEHLÍK (1986): Sidonie (6974).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, between Na Nivách and valley of the left-side tributary of Brumovka brook (39), 9.ix.1999, 2 ♂♂, I. Malenovský & T. Vymyslický lgt. (MHBC, PKPC). Poteč, Ploščiny NR (42), 1.vi.2002, 1 ♂, I. Malenovský lgt., 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 30.vi.1999, 1 ♀ (torso), M. Horsák & P. Kment lgt. (PKPC). Strání, Klanečnice brook valley above Žabka reservoir (142), 10.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Javorník, towards Suchovské Mlýny, Velička river valley (233), 3.v.2001, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, but quite rare, most records come from the northern part. **General distribution:**

Holopalaeartic (except the south of the Mediterranean region), extending to India.

**Biology and habitat:** On Brassicaceae (especially *Cardamine*, but also *Arabis hirsuta*, *Sinapsis arvensis*, *Capsella*, *Thlaspi*, *Rorippa*, *Nasturtium*, etc.). In moist places such as valleys with brooklets in woody landscapes, clearings, wet meadows, environs of ponds and peat bogs. It prefers hilly and mountain regions and is rare in warm lowlands (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

***Eysarcoris aeneus* (Scopoli, 1763)**

**Published record.** STEHLÍK (1985): Luhačovice, Luhačovická dolina valley (62).

**Material examined.** Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀ 1 L, P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, PKPC); 9.ix.1999, 1 ♂, I. Malenovský lgt. (PKPC). Brumov, Uhličky (44), 30.vi.2004, 1 ♀, P. Kment lgt., 1.ix.2004, 1 ♂ 4 ♀♀, I. Malenovský lgt., 4.ix.2005, 1 ♂ 2 ♀♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Štítná nad Vláří, south-exposed slopes N of the village (74), 22.v.2006, 1 ♀, O. Konvička lgt. (NMPC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 18.viii.2006, 1 L, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 3 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂ 1 ♀, 6.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 31.vii.–21.viii.2007, Mt, 1 ♀, 21.viii.–12.ix.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Výškovce, Pod Hřibovňou NM (176), 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Výškovce Bošačky, cattle pasture (179), 3.ix.2005, 1 ♀, I. Malenovský lgt. (PKPC). Výškovce Bošačky, meadow and orchard (180), 19.viii.2004, 1 ♂, I. Malenovský lgt., 24.vii.2005, 1 ♂, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 17.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), along road to Radějov, 16.viii.2009, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area, but more common in the north. **General distribution:** Holopalaearctic, extending to India. **Biology and habitat:** On Lamiaceae (*Stachys*, *Clinopodium vulgare*, *Galeopsis*, etc.), but both adults and larvae could be found on plants of other families. Euryecious, in dry to very humid habitats, especially in lowland forests and on shores of ponds, avoiding extremely warm localities. Common (STEHLÍK 1985, WACHMANN *et al.* 2008). **Red List status:** –.

***Eysarcoris venustissimus* (Schrank, 1776)**

= *Eysarcoris fabricii* Kirkaldy, 1904

**Published records.** STEHLÍK (1985): Horní Němčí, Lesná hill (123); Radějov, Holý vrch hill (79).

**Material examined.** Valašské Klobouky, Královec hill (33), 2.vii.1999, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 15.viii.2006, 1 ♀, 17.viii.2006, 1 ♂ 1 ♀ (1 ♀ on *Stachys alpina*), P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, on *Salvia glutinosa*, several adults and larvae, P. Kment observ. (1 ♂ 1 ♀ in PKPC). Valašské Klobouky, NW slope of Královec hill (35), 22.v.1999, 1 ♀, P. Kment & I. Malenovský lgt., 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Strání, Klanečnice brook valley above Žabka reservoir (142), on *Stachys sylvatica*, 10.vii.1998, 1 ♂ 2 ♀♀, P. Kment lgt. (MHBC, PKPC, PSBC). Radějov, Žerotín NM (188), *Quercetum pubescentis* and vineyards, 30.viii.2005, 1 ♀, M. Horsák lgt. (MHBC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀, 22.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Tvarožná Lhota, Lučina reservoir (199), 13.v.1998, 1 ♀, P. Kment lgt., 7.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, 19.vi.2000, 1 ♂, 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 2.–25.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Vápenky / Strání, Mt. Velká Javořina (255), forest, 25.v.1999, 2 ♀♀, H. Hiršová lgt. (MUBC). Javorník, Machová NR (259), 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook E of Machová

hill (260), 8.–28.v.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 2.vii.2001, 2 ♂♂ 4 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 25.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Nová hora NR (268), 25.v.1999, 2 ♀♀, H. Hiršová lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holomediterranean, extending to western and central Europe.

**Biology and habitat:** On *Stachys sylvatica*, more rarely on other Lamiaceae (*Stachys palustris*, *Galeopsis tetrahit*, *Lamium*, *Prunella vulgaris*, *Ballota nigra*, *Clinopodium vulgare*, *Marrubium*), exceptionally on other families. In lowlands and at medium altitudes, in relatively moist and mostly shaded places, such as forest clearings and margins, as well as along brooklets. Common (STEHLÍK 1985, WACHMANN *et al.* 2008).

**Red List status:** –.

**Comments.** *Salvia glutinosa* is confirmed here as a host plant of *E. venustissimus*.

### ***Graphosoma (Graphosoma) lineatum italicum* (O. F. Müller, 1766)**

**Published records.** STEHLÍK (1984): Radějov, Holý vrch hill (189). KMENT (2001): Kněždub, Čertoryje NNR (202). KMENT & VILÍMOVÁ (2010a): Petruchovy Mlýny, cattle pasture (242).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂, 25.viii.–23.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Uhlíčky (44), 28.v.2005, 2 ♂♂ 2 ♀♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt. (PKPC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Sidonie, env. (88), 27.vi.1998, 1 ♀, V. Vrabc & L. Vrabcová lgt. (VVKC). Hluk, Kobylí hlava NM (101), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hluk, Babí hora NM (102), 24.viii.2002, 1 ♀, I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 16.viii.2009, 4 ♂♂ 2 ♀♀, P. Baňář lgt. et det. (MMBC). Horní Němčí, Drahy NR (117), 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♂, O. Konvička lgt. (NMPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♀, 19.vi.–11.vii.2007, Mt, 2 ♀♀, 21.viii.–12.ix.2007, Mt, 1 ♂, 12.ix.–2.x.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♂, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀, 22.ix.2007, 1 ♂ (freshly hatched), P. Kment lgt. (PKPC). Vyškovec, Vyškovec Mt. (178), 18.viii.2004, 1 ♀, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 5 ♂♂ 4 ♀♀, 5.–26.viii.2008, Mt, 1 ♂ 4 ♀♀, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kněždubský háj forest (197), 17.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 8.vii.2000, 1 ♀ and more spec. observed in copula, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 14.ix.2004, 1 ♀, M. Horsák lgt. (MHBC). Malá Vrbka, between village and Výzkum hill (205), 8.vii.2000, several spec. in copula, P. Kment observ. Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC); 20.ix.2001, 2 ♀♀, M. Omesová lgt. (MUBC). Hrubá Vrbka, village (212), 27.–29.vi.2008, 1 ♂ 1 ♀, 9.–12.vii.2009, 2 ♂♂ 2 ♀♀ (br), Z. Malinka lgt. (ZMOC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 13.vii.1998, 1 spec., P. Kment observ. Velká nad Veličkou, Zahrady pod Hájem NNR (225), 15.vii.–6.viii.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Suchovské Mlýny, sheep pasture (226), 1.x.2004, 2 ♂♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 29.vi.2001, 1 ♂, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 2 ♀♀, I. Malenovský lgt. (PKPC). Vápenky, village (251), 12.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC); 8.–28.v.2007, Mt, 2 ♀♀, 9.vii.–2.viii.2007, Mt, 2 ♀♀, 10.ix.–3.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** In warm localities, common throughout the area. **General distribution:** West Palaearctic (except North Africa).

**Biology and habitat:** On Apiaceae (*Pastinaca*, *Peucedanum*, *Angelica*, *Daucus*, *Aegopodium*, *Eryngium*, *Meum*, etc.), particularly on flowers and fruits. In dry to moist,

open to half-shaded habitats. Widespread and common in warm areas, currently spreading northwards and to higher altitudes (STEHLÍK 1984, WACHMANN *et al.* 2008).

**Red List status:** –.

**Comments.** The subspecies *G. lineatum italicum*, distributed in Europe, was recently re-validated by PÉRICART (2010), while the nominotypical subspecies is restricted to North Africa.

***Holcostethus sphacelatus* (Fabricius, 1794) (EN)**

**Material examined.** Starý Hrozenkov, Skalka quarry (169), 2.vii.2007, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected in a single xerothermic locality in the central part of the area. **General distribution:** West and North Mediterranean, extending to central Europe. **Biology and habitat:** A polyphagous phytophage (e.g. on *Verbascum*). On herbs, rarely on woody plants. In xerothermic, open habitats, especially on limestone or serpentinite rocks. Very rare (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** Endangered.

***Jalla dumosa* (Linnaeus, 1758)**

**Material examined.** Pitín (72), 20.vii.1957, 1 ♂, Ondřej lgt. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected at a single site in the northern part of the area. **General distribution:** Holopalaeartic. **Biology and habitat:** Zoophagous, mostly preying on larval, in a lesser extent on adult Lepidoptera, or Chrysomelidae. In xerothermic, open habitats, dwelling mostly on or under herbs (e.g. *Salvia*, *Thymus*, *Verbascum*), rarely on trees. Widespread, but rare (STEHLÍK 1987, WACHMANN *et al.* 2008). **Red List status:** –.

***Neottiglossa (Neottiglossa) leporina* (Herrich-Schaeffer, 1830)**

**Material examined.** Radějov, Žerotín NM (188), 4.–26.vi.2008, Mt, 1 ♀, 26.vi.–14.vii.2008, Mt, 1 ♀, 14.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap in a single xerothermic site at the southern border of the area. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia, and Central Asiatic. **Biology and habitat:** On various Poaceae. In xerothermic localities with limestone, sedimentary or sandy substrates. In Moravia confined mostly to the Pannonicum and its outskirts, locally not rare (STEHLÍK 1985, WACHMANN *et al.* 2008). **Red List status:** –.

***Neottiglossa (Neottiglossa) pusilla* (Gmelin, 1790)**

**Published records.** STEHLÍK (1985): Bylnice (6974); Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 19.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 19.v.1999, 1 ♀, P. Kment & I.

#### True bugs (Hemiptera: Heteroptera)

Malenovský lgt. (PKPC). Valašské Klobouky, Královec hill (33), 15.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Poteč, Ploštiny NR (42), 17.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Nedašov, Hrušová dolina valley (53), 20.v.1999, 3 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt. (MHBC, PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 1 ♀, 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 30.vi.2004, 1 ♀, 28.v.2005, 1 ♀, 28.vii.2005, 1 ♀, I. Malenovský lgt., 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Kaňoury NM (55), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Brumov, Kloboucká street (76), 5.x.2004, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 30.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, reservoir in village (111), 15.v.1998, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Lopenické sedlo saddle, cattle pasture (159), 21.v.2005, 1 ♂, I. Malenovský lgt. (PKPC). Žitková (163), 11.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Výchovecké Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, loampit (235), 10.vii.2009, 2 ♀♀, Z. Malinka lgt. (ZMBC). Javorník, Petruchovy Mlýny, meadow (243), 29.vi.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Kment lgt., 25.v.1999, 1 ♀, H. Hiršová lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area. **General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia, and Central Asiatic. **Biology and habitat:** On Poaceae, also found on *Carex*. Euryecious, with preference for humid habitats. Widespread, not rare (STEHLÍK 1985, WACHMANN *et al.* 2008). **Red List status:** –.

#### *Palomena prasina* (Linnaeus, 1761)

**Published records.** STEHLÍK (1986): Brumov (6974); Sidonie (6974); Blatnice [pod Svatým Antonínkem] (7070); Strání (70–7172); Radějov (7170). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Javorůvky NR (32), 2.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 16.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 13.v.–3.vi.2008, Mt, 2 ♀♀, 4.–25.viii.2008, Mt, 1 ♀, 23.ix.–29.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Lazy NR and environs (82), 21.v.1999, 1 ♀, 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 1.ix.2004, 1 ♀ (freshly hatched), I. Malenovský lgt. (PKPC). Blatnička, Milejovské louky meadows (104), 24.v.2009, 11.vii.2009, 2 ♂♂, P. Baňar lgt. et det. (MMBC). Horní Němčí, village (109), on *Betula* sp., 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂ (freshly hatched), I. Malenovský & M. Omesová lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Březová, Cestiska NM (136), 2.x.2007, 1 ♀, O. Konvička lgt. (NMPC). Březová, Kalábová NM (137), 4.vii.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Lopeník, U Zvonice NM (155), 5.ix.2005, 1 ♂, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 4 ♂♂, 9.–29.v.2007, Mt, 1 ♂ 4 ♀♀, 29.v.–19.vi.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♀ (freshly hatched), P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 19.viii.2002, 1 ♂ 1 ♀, P. Kment observ., 14.v.–4.vi.2008, Mt, 3 ♂♂, 14.vii.–5.viii.2008, Mt, 1 ♀, 5.–26.viii.2008, Mt, 1 ♂ 2 ♀♀, 26.viii.–24.ix.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, village (194), 19.viii.2002, 1 ♂, P. Kment observ. Kněždub, Čertoryje NNR (202), 25.v.–15.vi.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, 200 m NW of the top (209), 13.ix.2004, 1 ♀, M. Horsák lgt. (MHBC). Hrubá Vrbka, football ground (211), 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Radějov, Kútky NR (217), 4.–26.vi.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Mandát brook valley below Kútky NR (218), 26.viii.–24.ix.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, old cemetery (223), 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC).

Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♀, P. Kment lgt., 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt., 19.vi.2000, 1 ♀, 18.viii.2000, 1 spec. (freshly hatched), P. Kment lgt., 9.–10.ix.2000, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 3 ♂♂, 12.v.–2.vi.2009, Mt, 1 ♂ 1 ♀, 2.–25.vi.2009, Mt, 2 ♀♀, 25.vi.–15.vii.2009, Mt, 1 ♂, 6.–24.viii.2009, Mt, 2 ♀♀, 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 2 ♂♂ 1 ♀, P. Kment lgt., 10.ix.2000, 1 ♂ 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 4 ♂♂, 24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 2 ♀♀, 12.v.–2.vi.2009, Mt, 1 ♂ 1 ♀, 24.viii.–14.ix.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 9 ♂♂ 3 ♀♀, 24.viii.–16.ix.2009, Mt, 1 ♀, 16.ix.–22.x.2009, Mt, 5 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 21.viii.2002, 1 ♂ (freshly hatched), P. Kment observ. Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 15.vi.–13.vii.2010, Mt, 2 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 25.v.1999, 2 ♀♀, H. Hiršová lgt. (MUBC); 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 8.–28.v.2007, Mt, 2 ♂♂ 7 ♀♀, 28.v.–18.vi.2007, Mt, 4 ♂♂ 1 ♀, 18.vi.–9.vii.2007, Mt, 1 ♂ 1 ♀, 2.–22.viii.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 5.–24.v.2010, Mt, 1 ♀, 24.v.–15.vi.2010, Mt, 1 ♂ 1 ♀, 7.ix.–21.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 12.iv.–8.v.2007, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 15.vi.–9.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, forest (269), 4.vii.2001, 1 ♂, M. Horskák & P. Kment lgt. (PKPC). Strání, Javorina NNR, meadow (270), 3.–23.vi.2009, Mt, 1 ♀, 23.vi.–15.vii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic (except easternmost Asia). **Biology and habitat:**

A polyphagous phytophage. Mostly on trees, less frequently on herbaceous vegetation. Euryecious. Very common (STEHLÍK 1986, 1998a; WACHMANN *et al.* 2008). **Red List status:** –.

### *Palomena viridissima* (Poda, 1761)

**Published records.** STEHLÍK (1986): Brumov, Holý vrch hill (79); Blatnice [pod Svatým Antonínkem] (7070). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 2 ♂♂, P. Kment lgt. (MHBC, PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 20.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 16.viii.2000, 1 ♂, P. Kment lgt. (PKPC); 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Velká nad Veličkou, below Zahrady pod Hájem NNR (221), 9.ix.2000, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt., 10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 24.viii.–14.ix.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, but recently collected only in the southern part, rare. **General distribution:** Holopalaeartic (except North Africa), extending to India. **Biology and habitat:** A polyphagous phytophage. Usually on herbaceous vegetation, less frequently on deciduous trees. Euryecious, preferring medium altitudes. More rare than *P. prasina*, possibly retreating (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.



*Pentatoma (Pentatoma) rufipes* (Linnaeus, 1758)

**Published records.** STEHLÍK (1986): Luhačovice, Luhačovická dolina valley (62); Hrádek (towards Hostětín) [= Rokytnice, Bukovina hill] (6973a4). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 16.vii.–4.viii.2008, Mt, 1 ♂, 23.ix.–29.x.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♀ (freshly hatched), P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 13.–16.viii.2007, ypt, 1 ♂, J. Ježek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), forest margin, 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 12.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Petrůvka, Kladenka brook valley (64), 16.vii.–4.viii.2008, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Bylnice, Lazy NR and environs (82), 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Sidonie, Sidonie NR (87), 11.viii.–8.ix.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Svatý Štěpán, Chladný vrch NM (93), 11.viii.–8.ix.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, village (109), on *Tilia* sp., 13.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Uvezené NM (120), 10.vii.2009, 1 ♂, Z. Malinka lgt. (ZMOC). Korytná, left-side tributary of Hradecký járek brook (139), 6.viii.2000, 1 ♀, M. Horsák lgt. (PKPC). Žitková, Hutě NR (164), 19.vi.–11.vii.2007, Mt, 1 ♀, 11.–31.vii.2007, Mt, 1 ♂, 12.ix.–2.x.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Kněždubský háj forest (197), 20.ix.2001, 1 ♂, M. Omesová lgt. (MUBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 9.ix.–22.x.2010, Mt, 1 ♂ 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, between village and Výzkum hill (205), 17.viii.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Velká nad Veličkou (220), 29.vi.1986, 1 ♂, J. Vilimová lgt. (JVPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 19.vi.2000, 1 ♀ (freshly hatched) 1 L5, P. Kment lgt., 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC); 5.–24.viii.2009, Mt, 4 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, village (239), linden alley towards cemetery, on *Tilia* sp., 8.viii.2001, 1 ♀, P. Kment lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 15.vii.–5.viii.2009, Mt, 3 ♂♂, 5.–24.viii.2009, Mt, 4 ♂♂ 1 ♀, 14.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Hryzlácké Mlýny (246), 15.vii.–4.viii.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Nová Lhota, Vápenky, left-side tributary of Velička river (252), 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Velička brook valley below Hubertova bouda hut (253), 22.iv.2005, 1 ♂, J. Ježek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 10.viii.–7.ix.2010, Mt, 1 ♂ 3 ♀♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 18.vi.–9.vii.2007, Mt, 1 ♂, 2.–22.viii.2007, Mt, 2 ♂♂ 1 ♀, 22.viii.–10.ix.2007, Mt, 1 ♂, 10.ix.–3.x.2007, Mt, 2 ♂♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 10.viii.–7.ix.2010, Mt, 1 ♂, 7.ix.–21.x.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♂, 2.–22.viii.2007, 1 ♂, 10.ix.–3.x.2007, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 4 ♂♂ 1 ♀, 12.viii.–9.ix.2010, Mt, 1 ♂ 1 ♀, 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 2 ♂♂, 15.vii.–6.viii.2009, Mt, 2 ♂♂, 6.–24.viii.2009, Mt, 3 ♂♂, 24.viii.–17.ix.2009, Mt, 2 ♂♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Maghreb, Anatolia and Iran. **Biology and habitat:** A polyphagous phytophage or zoophytophage. On deciduous trees (*Betula*, *Corylus*, *Alnus*, *Carpinus*, *Quercus*, *Fagus*), rarely on conifers (*Pinus*, *Picea*). From lowlands to high altitudes. Common (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

***Peribalus (Peribalus) strictus strictus* (Fabricius, 1803)**= *Holcostethus (Holcostethus) vernalis* (Wolff, 1804)

**Published records.** STEHLÍK (1986, as *Holcostethus vernalis*): Brumov, Na Tatrách [= Holý vrch hill] (79); Blatnice [pod Svatým Antonínkem] (7070); Horní Němčí, Lesná hill (123); Bánov (7072); Lopeník, Mikulčín vrch hill (160); Strání (70–7172); Javorník (7171); Nová Lhota (7171). KMENT (2001, as *Peribalus vernalis*): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 13.v.–3.vi.2008, Mt, 1 ♂ 1 ♀, 23.vi.–16.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 2 ♀♀, M. Horsák & P. Kment lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Poteč, Ploštiny NR (42), 13.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♂, P. Kment lgt. (PKPC). Brumov, Uhlíčky (44), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 20.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt., 25.viii.2002, 1 ♂, P. Kment lgt., 30.vi.2004, 1 ♀, 16.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 3.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt., 17.vi.2006, 2 ♂♂, I. Malenovský lgt., 12.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt., 16.viii.2006, 1 ♂ 1 ♀, P. Kment lgt. (PKPC). Petrůvka, Kladenska brook valley (64), 4.–25.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Brumov, Kloboucká street (76), 2.ix.2004, 1 ♂ 1 ♀, I. Malenovský lgt. (PKPC). Bylnice, Na Stráži (77), 11.vii.2006, 1 ♀, 18.viii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 5.x.2004, 1 ♂, I. Malenovský lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♀, K. Hradil lgt. et det. (KHMC). Lopeník, U Zvonice NM (155), 27.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Žitková, Hutě NR (164), 11.iv.–9.v.2007, Mt, 1 ♂ 1 ♀, 9.–29.v.2007, Mt, 1 ♂ 1 ♀, 29.v.–19.vi.2007, Mt, 1 ♂, 19.vi.–11.vii.2007, Mt, 2 ♀♀, 11.–31.vii.2007, Mt, 1 ♂ 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 2.vii.2007, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 L, 22.ix.2007, 1 ♀, P. Kment lgt. (PKPC). Výškovec, Pod Hřibovňou NM (176), 25.ix.2004, 1 ♂, P. Kment lgt., 3.ix.2005, 3 ♀♀, I. Malenovský lgt. (PKPC). Výškovec, Ve Vlčí NR (177), 22.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Výškovecké Bošačky, cattle pasture (179), 25.ix.2004, 2 ♀♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 8.v.2004, 1 ♀, P. Kment lgt. (PKPC). Výškovecké Bošačky, meadow and orchard (180), 27.vi.2004, 1 ♂, 21.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂ 1 ♀, 26.vi.–14.vii.2008, Mt, 1 ♂, 5.–26.viii.2008, Mt, 2 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Radějovka brook valley below Čertoryje (198), 22.vi.2001, 1 ♂, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 27.vi.2002, 1 ♀, I. Malenovský lgt. (PKPC). Malá Vrbka, between village and Výzkum hill (205), 16.viii.2000, 1 ♀, P. Kment lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 5.v.2000, 2 ♂♂ 2 ♀♀, I. Malenovský lgt., 28.vii.2001, 2 ♀♀, P. Kment & I. Malenovský lgt., 18.v.2002, 1 ♀, I. Malenovský lgt. (PKPC). Hrubá Vrbka, football ground (211), 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Radějov, Kútky NR (217), 26.vi.–15.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, 1 ♂, P. Kment lgt. (PKPC); 13.vii.1998, 1 ♀, M. Omesová lgt. (MUBC); 18.iv.2000, 1 ♂, P. Kment & I. Malenovský lgt., 18.viii.2000, 1 ♂, P. Kment lgt. (PKPC). Suchovské Mlýny, meadow (227), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt., 19.vi.2000, 3 ♀♀, I. Malenovský lgt., 18.viii.2000, 1 ♂, P. Kment lgt., 3.v.2001, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 3 ♂♂ 4 ♀♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 6.iv.–12.v.2009, Mt, 1 ♂, 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 14.v.1998, 1 ♀, P. Šmarda lgt. (PSBC); 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC); 12.iv.–8.v.2007, Mt, 1 ♂, 8.–28.v.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR, Rybnický potok brook E of Machová hill (260), 9.vii.–2.viii.2007, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 23.v.2002, 1 ♀, P. Kment lgt. (PKPC); 7.iv.–5.v.2010, Mt, 1 ♂, P. Chvojka & J. Macek lgt. (NMPC). Strání, Nová hora NR (268), 25.v.1999, 1 ♀, H. Hiršová lgt. (PKPC). Strání, Javorina NNR, forest (269), 4.vii.2001, 1 ♀, M. Horsák & P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Holopalaeartic, extending to Pakistan. **Biology and habitat:** A polyphagous phytophage. On herbs as well as on deciduous trees. Euryecious, in dry to quite humid, warm habitats. Common, rare or missing at high altitudes (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

**Comments.** *Holcostethus vernalis* (Wolff, 1804) was recently synonymized with *H. strictus* by RIBES *et al.* (2006); its generic placement has been independently revised by BELOUSOVA (2007).

### *Picromerus bidens* (Linnaeus, 1758)

**Published records.** STEHLÍK (1987): Hrádek (towards Hostětín) [= Rokytnice, Bukovina hill] (6973a4); Štítná nad Vláří (towards Popov) (71); Sidonie (6974); Radějov, Holý vrch hill (189). KMENT (2001): Kněždub, Čertoryje NNR (202). Record from Nedašova Lhota, 4.5 km NE of the village [6874] by STEHLÍK & VAVŘINOVÁ (1997b) concerns the area of Slovakia.

**Material examined.** Valašské Klobouky, Javorůvky NR (32), 1.x.2007, 1 ♀, O. Konvička lgt. (PKPC). Valašské Klobouky, Na Nivách (34), 9.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploščiny NR (42), 13.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Pitín (72), 20.vii.1957, 1 ♀, Ondřej lgt. (MMBC). Bylnice, Lazy NR and environs (82), 12.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Bylnice, railway station environs (83), 11.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Suchov, Kazivec brook valley (116), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Strání, Klanečnice brook valley between village and Žabka reservoir (143), 10.ix.1998, 1 ♂ 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Výškovec, Pod Hribovňou NM (176), 3.ix.2005, 1 ♂, I. Malenovský lgt. (PKPC). Radějov, Žerotín NM (188), 11.vii.1998, 1 ♂ (freshly hatched), P. Kment lgt. (PKBC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 13.vii.1998, 1 ♂ 1 ♀, P. Kment lgt. (MHBC, PKPC); 19.vi.2000, 1 ♂, P. Kment lgt. (MUBC); 9.–10.ix.2000, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 10.ix.2000, 2 ♂♂ 1 ♀, P. Kment & I. Malenovský lgt. (MUBC, PKPC). Vápenky, Porážky NNR (247), 15.vii.1998, 1 ♀, 9.ix.1998, 1 ♀, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread throughout the area.

**General distribution:** Holarctic (Holopalaeartic and Nearctic). **Biology and habitat:** Zoophagous. Euryecious, mostly found on herbaceous vegetation, less frequently on woody plants; from lowland to high altitudes. Common (STEHLÍK 1987, WACHMANN *et al.* 2008). **Red List status:** –.

### *Piezodorus lituratus* (Fabricius, 1794)

**Published records.** BALTHASAR (1945, as ab. *alliaceus*): Luhačovice (68–6972). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Nedašov, Jalovcová stráž NR (54), 25.viii.2002, 1 ♀, P. Kment lgt., 16.viii.2006, 2 ♂♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 1 ♀, P. Kment & I. Malenovský lgt., 13.viii.2001, 1 ♂ 1 L5, P. Kment lgt. (PKPC). Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 8.viii.2007, 1 L5, P. Kment lgt. (PKPC). Starý Hrozenkov, Skalka quarry (169), 8.viii.2007, 1 ♂, P. Kment lgt. (PKPC). Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 2 ♂♂, 26.vi.–14.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Radějov, Kútky NR (217),

15.vii.–5.viii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, loampit (235), 24.v.2002, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 8.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 14.v.1998, small field of *Medicago sativa*, 1 ♂ 3 ♀♀, P. Kment lgt. (PKPC); 13.vii.1998, 1 ♂ 1 L, P. Kment lgt. (MHBC, PKPC); 19.vi.2000, 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 8.iv.–12.v.2009, Mt, 1 ♀, 12.v.–2.vi.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & M. Macek lgt., 7.iv.–5.v.2010, Mt, 1 ♀, P. Chvojka & M. Macek lgt. (NMPC). Suchovské Mlýny, meadow (227), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Trnovský Mlýn, meadow (229), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Nová Lhota, Hryzlácké Mlýny (246), 7.iv.–12.v.2009, Mt, 2 ♂♂, 16.ix.–22.x.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Nová hora hill (267), field of *Trifolium pratense* and *T. incarnatum*, 16.v.1998, 1 ♀, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common in xerothermic sites throughout the area. **General distribution:** Eurosiberian and Holomediterranean. **Biology and habitat:** On Fabaceae (especially on *Cytisus scoparius* and *Genista tinctoria*, but also on *Medicago*, *Vicia*, *Melilotus*, *Coronilla*, *Onobrychis*, and *Lupinus*). In xerothermic localities, absent from high altitudes. Widespread, not rare (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

#### *Pinthaeus sanguinipes* (Fabricius, 1781)

**Published records.** STEHLÍK (1987): Radějov, “Rozsocháč”, valley of the Mandát stream (214). KMENT & BRYJA (2001): Javorník, Jazevčí NNR (232).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, recently collected at one site in the southern part of the area. **General distribution:** South Eurosiberian, extending to the Near East. **Biology and habitat:** Zoophagous, feeding e.g. on larvae and adults of Lepidoptera, larvae and pupae of Hymenoptera, Diptera, and larvae of Coleoptera: Chrysomelidae. It is considered mesophilous and a forest inhabitant, collected mostly on deciduous trees (especially *Alnus glutinosa*), less frequently on conifers, shrubs, and herbaceous vegetation (STEHLÍK 1987, WACHMANN *et al.* 2008, KMENT *et al.* 2009b). **Red List status:** –.

**Comments.** A very rare species, not collected in Moravia between 1952 and 1996; see KMENT *et al.* (2009b) for a review of its distribution in the country.

#### *Podops (Podops) inunctus* (Fabricius, 1775)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.vii.2002, 1 ♀, M. Horsák lgt. (PKPC). Malá Vrbka, Výzkum hill, restored grassland (208), 8.iv.–5.v.2000, pt, 1 ♀, P. Bezděčka lgt., 22.x.2000, 1 ♀, 20.ix.2001, 1 ♂, 4.x.2002, 1 ♂, P. Kment lgt. (PKPC). Hrubá Vrbka, football ground (211), 8.vii.2000, 1 ♂ (freshly hatched), P. Kment lgt. (PKPC). Suchovské Mlýny, meadow (227), 6.v.–4.vi.2005, pt, 1 ♂, K. Rešl lgt. (PKPC). Javorník, Petruchovy Mlýny, cattle pasture (242), 26.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.vi.2004, 1 ♀, I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, most records come from the south; rare. **General distribution:** European, extending to Maghreb. **Biology and habitat:** A polyphagous phytophage (e.g. on Caryophyllaceae, Poaceae, and Lamiaceae). Epigeic, usually occurring in root systems, mostly in moist meadows and shore vegetation. In Moravia in warm and moderately warm climatic

regions. Widespread, but rarely collected (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** –.

***Rhaphigaster nebulosa* (Poda, 1761)**

**Material examined.** Radějov, Žerotín NM (188), 14.v.–4.vi.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only with a Malaise trap in a single xerothermic site at the southern border of the area. **General distribution:** Holomediterranean, extending to central Europe, and Central Asiatic, extending to Pakistan. **Biology and habitat:** Phytozoophagous. On various deciduous trees and shrubs (Fagaceae, Betulaceae, Rosaceae), rarely on conifers, in xerothermic sites; adults often enter buildings in seek for overwintering places. In Moravia largely restricted to the Pannonicum, rare elsewhere (STEHLÍK 1986, WACHMANN *et al.* 2008). **Red List status:** –.

***Rubiconia intermedia* (Wolff, 1811)**

(NT)

**Published record.** STEHLÍK (1985): Sidonie (6974); Korytná (7071–72).

**Material examined.** Nedašov, Jalovcová stráň NR (54), 3.vii.1999, 1 ♂ 1 ♀, P. Kment & I. Malenovský lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only in the northern and central parts of the area, rare. **General distribution:** Eurosiberian, extending to Maghreb and southern China. **Biology and habitat:** A polyphagous phytophage (Lamiaceae, Ericaceae, Fabaceae, etc.). In dry as well as humid, open to half-shaded habitats, especially in forest clearings (STEHLÍK 1985, WACHMANN *et al.* 2008). In Moravia rare in lowlands, more common in hilly landscapes (STEHLÍK 1985). **Red List status:** Near-threatened.

***Sciocoris (Aposciocoris) microphthalmus* Flor, 1860**

**Published record.** STEHLÍK (1984): Velká nad Veličkou (towards Javorník) (240).

**Material examined.** Nedašov, Kaňoury NM (55), 17.vi.2006, 1 ♀, I. Malenovský lgt. (PKPC). Horní Němčí, Drahy NR (117), 30.vi.2001, 2 ♂♂, P. Kment & I. Malenovský lgt., 23.v.2002, 1 ♂, P. Kment lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Found on various herbs and grasses (*Rhinanthus*, *Adonis vernalis*, *Echium*, *Scabiosa*, *Teucrium*, *Thymus*, *Poa*). Epigeic; in xerothermic habitats (dry grassland, sunny slopes with scrub, grassy stands at forest margins), preferring medium to high altitudes. Widespread, but quite rare (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** –.

***Sciocoris (Aposciocoris) umbrinus* (Wolff, 1804)**

(NT)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, collected only on one site in the southern part of the area. **General distribution:** Eurosiberian, extending to Maghreb and the Near East. **Biology and habitat:** Found in detritus under various plants (e.g. *Erica*, *Calluna*, *Vaccinium*, *Thymus*, *Artemisia*, *Peucedanum oreoselinum*). Epigeic, euryecious, in xerothermic as well as in moister and half-shaded habitats, on steppe localities as well as mountain meadows up to 1000 m a.s.l. Rare (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** Near-threatened.

### ***Stagonomus (Dalleria) bipunctatus* (Linnaeus, 1758)**

= *Stagonomus pusillus* (Herrich-Schaeffer, 1830)

**Material examined.** Nedašov, Jalovcová stráň NR (54), 8.vii.2002, 1 ♂, M. Horsák lgt. (MHBC). Nedašov, Jalovcová stráň NR (54) and along road to Nedašov (52), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Žitková, Hutě NR (164), 9.–29.v.2007, Mt, 2 ♀♀, 29.v.–19.vi.2007, Mt, 2 ♀♀, 19.vi.–11.vii.2007, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Collected only on two sites in the northern and central parts of the area, rare. **General distribution:** West Palearctic. **Biology and habitat:** On Lamiaceae (*Ajuga*, *Scutellaria*, *Teucrium montanum*, *Thymus*) and Scrophulariaceae (*Veronica officinalis*, *Scrophularia nodosa*, *Verbascum*). In undulated landscape from medium-high altitudes to lowland, on dry to slightly humid, often half-shaded habitats, particularly in forest clearings and edges. Widespread, quite rare (STEHLÍK 1985, as *S. pusillus*; WACHMANN *et al.* 2008). **Red List status:** –.

### ***Troilus luridus* (Fabricius, 1775)**

**Published record.** STEHLÍK (1987): Blatnice [pod Svatým Antonínkem] (7070).

**Material examined.** Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♀, 28.v.–18.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, rare. **General distribution:** Holopalaearctic (except southern parts of the Mediterranean region), extending to Burma and India. **Biology and habitat:** Zoophagous, mostly preying on larvae of Lepidoptera, larvae, pupae and adults of Coleoptera (mostly Chrysomelidae), larvae of Hymenoptera, as well as larvae and adults of Hemiptera. Arborescent, both on deciduous trees and conifers; in closed forests, forest edges as well as on solitary trees (STEHLÍK 1987, WACHMANN *et al.* 2008). In Moravia rare or missing in warm lowland, widespread in moderately warm to cold regions (STEHLÍK 1987). **Red List status:** –.

### ***Vilpianus galii* (Wolff, 1802)**

**(VU)**

**Material examined.** Blatnička, Milejovské louky meadows (104), 16.viii.2009, 4 ♂♂ 3 ♀♀, P. Baňář lgt. et det. (MMBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare; a steppic element, in the Bílé Karpaty Mts. found only on one locality on the south-western border of the area. **General distribution:** Holomediterranean, extending to the Pannonicum, and Central Asiatic. **Biology and habitat:** Phytophagous on *Galium* spp. (especially *G. verum*) and *Asperula* spp. (STEHLÍK 1984, WACHMANN *et al.* 2008). In Moravia largely confined to dry grassland localities in the Pannonicum and on its outskirts, mostly river valleys opening onto the Pannonicum (STEHLÍK 1984, MALENOVSKÝ *et al.* 2011). **Red List status:** Vulnerable.

### *Zicrona caerulea* (Linnaeus, 1758)

**Published record.** KMENT & VILÍMOVÁ (2010b): Javorník, Petruchovy Mlýny (243).

**Material examined.** Valašské Klobouky, Brumovka brook valley (29), 30.vi.1999, 1 L, M. Horsák & P. Kment lgt. (PKPC). Nedašov, Pod Cigánem NM (91), 28.v.2005, 1 ♀, I. Malenovský lgt. (PKPC). Kněždub, Čertoryje NNR, Radějovka brook (204), 14.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Malá Vrbka, Výzkum hill, restored grassland (208), 25.v.2000, 1 ♀, I. Malenovský lgt. (PKPC). Javorník, Jazevčí NNR (232), 4.v.1995, 1 ♀, I. Čepička lgt., 19.vi.2000, 1 ♂ 1 L, I. Malenovský lgt. (PKPC); 6.iv.–12.v.2009, Mt, 1 ♀, 25.vi.–15.vii.2009, Mt, 1 ♂ 1 ♀, 15.vii.–5.viii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Nad Vápenkou NM (236), 7.ix.2002, 1 L, I. Malenovský lgt. (PKPC). Javorník, Petruchovy Mlýny, meadow (243), 23.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂ 1 ♀ (1 ♀ freshly hatched), I. Malenovský & M. Omesová lgt. (MHBC, PKPC). Javorník, Machová NR (259), 9.vii.1998, 1 ♀ (freshly hatched) 1 L, P. Kment lgt. (PKPC). Strání, Záhumenice NM (266), 9.vii.–12.viii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR, meadow (270), 17.ix.–21.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Widespread in the southern part of the area, quite rare in the northern parts. **General distribution:** Holarctic (Holopalaearctic and Nearctic), Neotropical, and Oriental. **Biology and habitat:** Zoophagous, mostly preying on eggs and larvae, rarely on adults of Chrysomelidae. On herbs, less frequently on trees; preferring moist places such as peat bogs or shores of ponds (STEHLÍK 1987, WACHMANN *et al.* 2008). In Moravia rare in warm lowlands, widespread in moderately warm to cold regions (STEHLÍK 1987). **Red List status:** –.

## Family ACANTHOSOMATIDAE

### *Acanthosoma haemorrhoidale haemorrhoidale* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 23.vi.–16.vii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 16.viii.2007, 1 ♀, J. Ježek lgt. (NMPC). Sidonie, Sidonie NR (87), 16.vi.–5.vii.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Horní Němčí, Drahy NR (117), 10.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt., 21.ix.2001, 1 ♀, P. Kment lgt. (PKPC). Vyškovské Bošacký, W slope of Kykula hill (161), 4.v.2007, 1 spec., J. Němec photographed, P. Kment det. Žitková, Hutě NR (164), 29.v.–19.vi.2007, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (PKPC). Radějov, Žerotín NM (188), *Quercetum pubescentis* and vineyards, 30.viii.2005, 1 spec. (freshly hatched), M. Horsák lgt. (PKPC); 4.–26.vi.2008, Mt, 1 ♂, 26.vi.–14.vii.2008, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Kněždub, Kejda pond (196), 14.vii.1998, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Čertoryje NNR (202), 20.ix.2001, 1 ♀, M. Omesová lgt. (MUBC). Kněždub, Čertoryje NNR, Radějovka brook (204), 5.–25.v.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Hrubá Vrbka, football ground (211), 8.vii.2000, on *Populus*

*nigra*, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, village (222), on *Betula* sp., 19.vi.2000, 1 ♀, P. Kment lgt. (PKPC). Velká nad Veličkou, Zahrady pod Hájem NNR (225), 18.viii.2000, 1 ♀, P. Kment lgt., 9.–10.ix.2000, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 30.vi.–1.vii.2008, at night, 1 ♂, Z. Malinka lgt. (ZMOC); 25.vi.–15.vii.2009, Mt, 1 ♀, 14.ix.–20.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & M. Macek lgt. (NMPC). Javorník, Jazevčí NNR (232), 6.v.2000, 1 ♀, I. Malenovský lgt., 18.viii.2000, 1 ♀, P. Kment lgt. (PKPC); 25.vi.–15.vii.2009, Mt, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Javorník, Jazevčí NNR, left-side tributary of Velička river (241), 14.ix.–22.x.2009, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Vápenky, Porážky NNR (247), 9.ix.1998, 1 ♂, I. Malenovský & M. Omesová lgt. (PKPC). Javorník, Machová NR, Rybnický potok brook N of Machová hill (256), 24.v.–15.vi.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Javorník, Machová NR (259), 8.–28.v.2007, Mt, 1 ♂, 18.vi.–9.vii.2007, 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Strání, Záhumenice NM (266), 25.v.–15.vi.2010, Mt, 1 ♀, 9.vii.–12.viii.2010, Mt, 1 ♂, 9.ix.–22.x.2010, Mt, 1 ♀, P. Chvojka & J. Macek lgt. (NMPC). Strání, Javorina NNR (269, 270), 29.x.2011, 1 ♂, I. Malenovský lgt. (PKPC). Strání, Javorina NNR, meadow (270), 23.vi.–15.vii.2009, Mt, 1 ♂, 15.vii.–6.viii.2009, Mt, 1 ♂ 1 ♀, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Anatolia and Iran. **Biology and habitat:** On shrubs and deciduous trees, especially those producing berries (*Sorbus aucuparia*, *Crataegus*, *Prunus spinosa*, *P. serotina*, *Sambucus nigra*, *Cornus*, *Viburnum opulus*) (STEHLÍK 1984, WACHMANN *et al.* 2008). Widespread but usually found in low numbers (STEHLÍK 1984). **Red List status:** –.

#### *Cyphostethus tristriatus* (Fabricius, 1787)

**Published records.** KMENT & BRYJA (2001): Poteč, Ploščiny NR (42); Nedašov, Jalovcová stráž NR (54).

**Material examined.** Poteč, Ploščiny NR (42), 17.iii.2006, on *Juniperus communis*, 1 ♂, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 25.viii.2002, on *Juniperus communis*, 1 ♂, P. Kment lgt., 16.vi.2006, 1 ♂ 3 ♀♀, I. Malenovský lgt., 16.viii.2006, 2 ♂♂ 1 ♀, P. Kment lgt. (PKPC). Horní Němčí, Drahy NR (117), 21.ix.2001, on *Juniperus communis*, 1 ♂, P. Kment lgt. (PKPC). Lopenické Bošacký (158), 26.iv.2007, 1 ♂, O. Konvička lgt. (OKZC).

**Distribution and frequency in the Bílé Karpaty PLA:** Scattered throughout the area, quite rare. **General distribution:** West Palaearctic. **Biology and habitat:** On Cupressaceae; rare on native *Juniperus communis* under natural conditions, but common on non-native cultivated species (*Thuja*, *Chamaecyparis*, etc.) in towns and villages (STEHLÍK 1984, 1998a; KMENT & BRYJA 2001; WACHMANN *et al.* 2008). **Red List status:** –.

#### *Elasmostethus interstinctus* (Linnaeus, 1758)

**Published record.** KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Brumovka brook valley (29), forest edge, deciduous trees, 30.vi.1999, 1 ♀, M. Horsák & P. Kment lgt. (PKPC). Poteč, Ploščiny NR (42), 4.vii.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC); 13.ix.1999, 7 ♂♂ 4 ♀♀ (1 ♂ freshly hatched), I. Malenovský & T. Vymyslický lgt. (MHBC, MUBC, PKPC); 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Nedašov, Jalovcová stráž NR (54), 3.vii.1999, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Lopeník (152), 8.vi.1999, 1 ♂ 2 ♀♀, K. Hradil lgt. et det. (KHMC). Lopeník, Od Březovska (154), at light, 10.–13.vi.1999, 1 ♂, V. Vrabec lgt. (VVKC). Lopeník, U Zvonice NM (155), 30.v.2005, 1 ♀, P. Kment lgt. (PKPC).



**Distribution and frequency in the Bílé Karpaty PLA:** Scattered in the northern and central parts of the area, while there is only one record from the south. **General distribution:** Holarctic (Eurosiberian and Nearctic). **Biology and habitat:** Larvae develop on fruiting *Betula* (*B. pendula*, *B. pubescens*) and in lesser extent on *Alnus* (*A. glutinosa*, *A. incana*), adults also on other deciduous trees and shrubs. From lowland to the highest mountain elevations (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** –.

*Elasmostethus minor* Horváth, 1899

(VU)

**Material examined.** Valašské Klobouky, Královec hill (33), 22.v.1999, on *Lonicera xylosteum*, 1 ♀, P. Kment & I. Malenovský lgt., 10.ix.1999, 1 ♂ 2 ♀♀, I. Malenovský & T. Vymyslický lgt. (PKPC).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, found only on one site in the northern part of the area. **General distribution:** West Eurosiberian, extending to Transcaucasia. **Biology and habitat:** On *Lonicera xylosteum*, more rarely on *L. nigra*. In undergrowth of open woodland, at forest margins and hedges in hilly landscapes. Rare (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** Vulnerable.

*Elasmucha fieberi* (Jakovlev, 1865)

**Published record.** STEHLÍK (1984): Lopeník, Mikulčín vrch hill (160).

**Distribution and frequency in the Bílé Karpaty PLA:** Very rare, not found in the course of the recent survey. **General distribution:** Eurosiberian. **Biology and habitat:** On fruiting *Betula* and *Alnus* in closed forests as well as on solitary trees at medium altitudes (STEHLÍK 1984, WACHMANN *et al.* 2008). In Moravia rare, missing in warmest regions (STEHLÍK 1984). **Red List status:** –.

*Elasmucha grisea grisea* (Linnaeus, 1758)

**Published records.** STEHLÍK (1984): Bylnice, Na Tatrách, Bylnický potok brook [= Bylničky, Tarandové hill] (80). KMENT (2001): Kněždub, Čertoryje NNR (202).

**Material examined.** Petrůvka, U Petrůvky NM (14), 6.viii.1999, 1 ♀, P. Kment lgt. (PKPC). Poteč, pond (27), on *Betula* sp., 1.vii.1999, 1 ♀, P. Kment & M. Omesová lgt. (PKPC). Valašské Klobouky, Brumovská street (30), 9.ix.1999, 1 ♀, I. Malenovský lgt. (PKPC). Valašské Klobouky, Dobšená NM (31), 22.v.1999, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, NW slope of Královec hill (35), 10.ix.1999, 1 ♂, I. Malenovský & T. Vymyslický lgt. (PKPC). Poteč, Ploštiny NR (42), 4.vii.1999, 4 ♂♂ 3 ♀♀, P. Kment & I. Malenovský lgt., 13.ix.1999, 2 ♀♀, I. Malenovský & T. Vymyslický lgt., 17.viii.2006, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, brooklet ravine (46), 23.viii.2002, 1 ♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 47, 48), 14.viii.2006, 2 ♀♀, P. Kment lgt. (PKPC). Valašské Klobouky, Bílé potoky NR (46, 48), 11.vii.2006, 1 ♂, P. Kment & I. Malenovský lgt. (PKPC). Valašské Klobouky, Bílé potoky NR, meadow (48), 19.v.1999, 2 ♀♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňoury NM (55), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Nedašov, Kaňúr hill (56), 20.v.1999, 1 ♀, P. Kment & I. Malenovský lgt. (PKPC). Bylnice, railway station environs (83), 21.v.1999, 1 ♂ 1 ♀, 11.ix.1999, 1 ♂ 1 ♀, I. Malenovský & T. Vymyslický lgt. (PKPC). Horní Němčí, village (109), on *Betula* sp., 13.viii.2001, 1 ♂, P. Kment lgt. (PKPC). Korytná, Březí (113), 5.vii.2001, 1 ♂, P. Kment lgt. (PKPC). Horní Němčí, NR Drahý (117), 21.ix.2001, 1 ♂, P. Kment lgt. (PKPC). Lopeník, Hrubár brook valley (156), 9.vi.2000,

1 ♂, M. Horsák lgt., 9.x.2004, 1 ♀, P. Kment lgt. (PKPC). Starý Hrozenkov, Hrozenkovské terasy (167), 1 ♀, 8.viii.2007, P. Kment lgt. (PKPC). Vápenice, V Krátkých (170), 6.vii.2001, 1 ♀, P. Kment lgt. (PKPC). Výskovecké Bošacký, cattle pasture (179), 24.vii.2005, 1 ♀, P. Kment lgt. (PKPC). Kněždub, Radějovka brook valley below Čertoryje (198), 14.vii.1998, on *Betula* sp., 3 ♂♂ 2 ♀♀ 7 L, P. Kment lgt. (PKPC). Radějov, Měsíční údolí valley (214), 8.ix.1998, 2 ♀♀, I. Malenovský & M. Omesová lgt. (PKPC). Radějov, Mandát brook valley below Kútky NR (218), 15.vii.–5.viii.2008, Mt, 1 ♂, P. Chvojka, J. Ježek & J. Macek lgt. (NMPC). Velká nad Veličkou, village (222), on *Betula* sp., 13.vii.1998, 1 ♂, P. Kment lgt. (PKPC). Javorník, village (239), on *Betula* sp., 6.v.2000, 3 ♂♂, I. Malenovský lgt., 24.v.2002, 1 ♂, P. Kment lgt. (PKPC). Strání, Mechnáčky NM (264), 4.viii.2007, 1 ♂, P. Komzák lgt. (PKBC). Strání, Záhumenice NM (265), 21.ix.2001, 1 ♂ 1 ♀, M. Omesová lgt. (MUBC).

**Distribution and frequency in the Bílé Karpaty PLA:** Common throughout the area.

**General distribution:** Eurosiberian, extending to Anatolia and Transcaucasia. **Biology and habitat:** On *Betula*, less frequently on *Alnus*. Euryecious, common (STEHLÍK 1984, WACHMANN *et al.* 2008). **Red List status:** –.

### Discussion and conclusions

The material acquired during the field work in the Bílé Karpaty PLA in 1998–2010, supplemented by hitherto unidentified material from the Moravian Museum, Brno, and several additional private and institutional collections yielded 10,732 faunistic records (i.e. records of one species from one locality and date). Altogether *ca.* 35,984 specimens of Heteroptera were examined. This material includes 485 species. In combination with previously published records, a total of 501 species of true bugs has been recorded from the Bílé Karpaty PLA to date. This number represents 57.9% of the heteropteran fauna of the Czech Republic. For comparison, numbers of species recorded for other well-explored areas in the Czech Republic, Slovakia and surrounding countries are: the Krkonoše Mts. – 179 species (ROUBAL 1959, 1961, 1969), the Hrubý Jeseník Mts. – 181 species (STEHLÍK 1952), the Poodří PLA – 225 species (BRYJA & KMENT 2001), the Ojców National Park (Poland) – 230 species (CHŁOND & GORCZYCA 2009), the Poloniny National Park (Slovakia) and the Bieszczady National Park (Poland) – 233 species (BRYJA & KMENT 2007, GORCZYCA & LIS 2000), the Kokořínsko PLA – 305 species (BRYJA & KMENT 2006a), the Pálava PLA in its extended concept – *ca.* 520 species (STEHLÍK 1995, KMENT 1999, BRYJA & KMENT 2006b; P. Kment, J. Bryja & K. Hradil, unpublished), the Keszthely Region at the western edge of Lake Balaton (Hungary) – 572 species (KONDOROSY 2011), and the Austrian part of the Lake Neusiedlersee Region – 589 species (MELBER *et al.* 1991). This comparison shows that the Bílé Karpaty PLA surpasses all the other mountain or colder regions, being exceeded only by xerothermic regions lying more to the south with numerous steppe and floodplain localities that are especially rich in Heteroptera. Undoubtedly, the Bílé Karpaty PLA can be regarded an important centre of biodiversity in the context of the Czech Republic, and not only for true bugs (see also MALENOVSKÝ *et al.* 2012).

The high biodiversity of Heteroptera in the Bílé Karpaty PLA is not only characteristic of the region as a whole, but also of particular, well-preserved localities within it. The number of species known from the eighteen best-explored sites (mostly small-scale protected areas, i.e. reserves) is given in Table 2. The list of the localities

True bugs (Hemiptera: Heteroptera)

**Table 2.** Number of species of Heteroptera recorded from the best-explored localities in the Bílé Karpaty PLA. Abbreviations: Mt – Malaise trap, Pt – pitfall traps, Q – qualitative samples (sweep-netting, individual collecting), Sq – semiquantitative samples by sweep-netting, Ypt – yellow pan traps.

Locality number	Locality	Collecting methods	No. of species
256+259+260	Javorník, Machová NR	Mt, Q	209
202+204	Kněždub, Čertoryje NNR	Mt, Q, Sq	201
225	Velká nad Veličkou, Zahrady pod Hájem NNR	Mt, Q	187
232+241	Javorník, Jazevčí NNR	Mt, Q, Sq	182
205+208+210	Malá Vrbka, Výzkum hill	Pt, Q, Sq	148
117	Horní Němčí, Drahy NR	Pt, Q, Sq	142
265+266	Strání, Záhumenice NR	Mt, Pt, Q, Sq	139
52+54	Nedašov, Jalovcová stráž NR	Q, Sq	125
214+216+217+218+219	Radějov, Měsíční údolí valley	Mt, Q	123
188	Radějov, Žerotín NM	Mt, Q	121
46+47+48	Valašské Klobouky, Bílé potoky NR	Mt, Q, Ypt	115
55	Nedašov, Kaňoury NM	Q	115
42	Poteč, Ploščiny NR	Q, Sq	107
164	Žitková, Hutě NR	Mt	100
253+254+255+269+270	Strání, Javorina NNR	Mt, Q	98
169	Starý Hrozenkov, Skalka quarry	Q	95
14	Petrůvka, U Petrůvky NM	Mt, Q	91
179+180	Výškovecké Bošacky, cattle pasture and orchard	Q, Sq	83

richest in species is dominated by two reserves in which the number of species exceeds 200 – the Machová NR (209 species) and the Čertoryje NNR (201 species), followed by two other localities in the southern part of the Bílé Karpaty – the Zahrady pod Hájem NNR (187 species) and the Jazevčí NNR (182 species). That such high numbers of species were recorded partly due to detailed research (including, for example, the use of Malaise traps) and may be also explained by high floristic diversity, habitat heterogeneity (e.g. the presence of spring fens, hedges and forest margins), and the large size of these localities. In the northern part of the Bílé Karpaty, the highest number of species was recorded in the Jalovcová stráž NR (125 species). In Moravia, only two well-known rocky steppe reserves – the Rokytenské slepence rocks near Moravský Krumlov (258 species; BRYJA *et al.* 2002, MALENOVSKÝ *et al.* 2011) and the Svatý kopeček NR near Mikulov (257 species, BRYJA & KMENT 2006b) – are known for higher numbers of Heteroptera species recorded than the most diverse sites in the Bílé Karpaty PLA.

Considering the high biodiversity of the invertebrate fauna of the Bílé Karpaty PLA from a habitat point of view, four major habitat types may be recognized in general terms: i) species-rich grasslands (meadows and pastures), ii) spring fens, iii) small streams, and iv) natural deciduous forests (KMENT *et al.* 2012, MALENOVSKÝ *et al.* 2012). For Heteroptera, the species-rich grasslands are of crucial importance, as they harbour many rare and threatened species. Among the species characteristic of species-rich meadows in the Bílé Karpaty, *Criocoris nigripes*, *Deraeocoris morio*, *Halticus pusillus*,

*Heterocapillus tigrisipes*, *Orthocephalus brevis*, and *Placochilus seladonicus* may be mentioned, while *Lopus decolor*, *Macrotylus paykullii*, *Megalocoleus molliculus*, *Orthocephalus coriaceus*, and *Systellonotus triguttatus* are characteristic of pastures, although at least some of these species may occur in both types of grassland communities, i.e. meadows and pastures (e.g. *Heterocapillus tigrisipes* and *Orthocephalus brevis*). The landscape of the Bílé Karpaty PLA is typically a mix of species-rich grasslands with numerous solitary trees and shrubs, hedges, forest margins and spring fens, which all substantially increase the local biodiversity. Among the heteropteran species characteristic of forest and road margins, especially notable is *Acompus rufipes* feeding on *Valeriana* spp. The numerous small spring fens scattered in the grasslands (including xerothermic sites) host a characteristic fauna of Heteroptera including e.g. *Cymus* spp., *Europiela alpina*, *Tytthus pygmaeus*, and the semi-aquatic *Hebrus pusillus* and *H. ruficeps*. Small streams are colonized in the Bílé Karpaty PLA only by *Velia caprai*, and to a lesser extent also by *V. saulii* and *Gerris gibbifer*. The undergrowth of deciduous forests generally harbours far fewer species of Heteroptera compared with open grasslands, but several of them are highly characteristic of the region as well, e.g. *Temnostethus pusillus*, *Dicyphus hyalinipennis*, *Macrolophus rubi*, *Metatropis rufescens*, and *Elasmostethus minor*.

In contrast, the geology and geomorphology of the Bílé Karpaty PLA exclude the presence of several other habitat types, such as peat-bogs, aeolian sands, floodplain ecosystems, and others, so the specialized species typical of these habitats are absent or very rare in the area. Despite the rather warm climate of the Bílé Karpaty, the lack of rock outcrops means an absence of rocky steppes on exposed slopes, and many species typical of these habitats that occur elsewhere in Moravia are absent from the area (some of them, however, occur on limestone outcrops in the Slovak part of the Bílé Karpaty Mts., e.g. *Chlamydatus evanescens* (Boheman, 1852), *Emblethis verbasci* (Fabricius, 1803), *Phytocoris ustulatus* Herrich-Schaeffer, 1835, and *Sciocoris cursitans* (Fabricius, 1794); ROHÁČOVÁ 1992) or are very rare and restricted to artificial sites such as abandoned stone quarries in the central part of the Bílé Karpaty PLA (e.g. *Heterogaster artemisiae* and *Holcostethus sphacelatus* in the Skalka quarry near Starý Hrozenkov). The base-rich geological substrates also prevent the development of acidophilous habitats (peat-bogs, heathlands) and species of Heteroptera specialized for acidophilous vegetation are very rare or absent as well (e.g. *Orthotylus ericetorum*, *Pachybrachius luridus*, *Rhopalus maculatus*, and *Stenodema virens*). The scarcity of larger bodies of water is also a major limiting factor for the communities of aquatic and semi-aquatic Heteroptera.

Despite the lack of typical “steppe” habitats, the warm character of the Bílé Karpaty mountains facilitates the existence of many thermophilous species, which reach higher altitudes here than is usual in other mountain ranges in the Czech Republic (as is also evident, for example, in the flora, which lack a well-defined montane element, the oreophyticum; KONVIČKA *et al.* 2012). The most xerothermophilous species are concentrated particularly in the south-western margin of the area: the Žerotín NM (*Icodema infuscata*, *Neottiglossa leporina*, *Phytocoris insignis*, *Raglius confusus*, *Rhaphigaster nebulosa*, *Rhynocoris iracundus*), the Zahrady pod Hájem NNR (*Berytinus signoreti*, *B. striola*, *Catoplatus horvathi*, *Odontotarsus purpureolineatus*, *Omphalonotus*

**Table 3.** The most frequently recorded Heteroptera species in the Bílé Karpaty PLA.

<b>Terrestrial Heteroptera</b>	<b>No. of records</b>
<i>Lygus pratensis</i> (Linnaeus, 1758)	256
<i>Lygus rugulipennis</i> Poppius, 1911	196
<i>Nabis pseudoferus</i> Remane, 1949	186
<i>Dolycoris baccarum</i> (Linnaeus, 1758)	177
<i>Chlamydatus pulicarius</i> (Fallén, 1807)	167
<i>Spilostethus saxatilis</i> (Scopoli, 1763)	167
<i>Plagiognathus chrysanthemi</i> (Wolff, 1804)	159
<i>Trigonotylus caelestialium</i> (Kirkaldy, 1902)	154
<i>Aelia acuminata</i> (Linnaeus, 1758)	153
<i>Notostira erratica</i> (Linnaeus, 1758)	150
<i>Adelphocoris lineolatus</i> (Goeze, 1778)	145
<i>Stenodema calcarata</i> (Fallén, 1807)	135
<i>Carpocoris purpureipennis</i> (De Geer, 1773)	133
<i>Rhopalus parumpunctatus</i> Schilling, 1829	132
<i>Stenodema laevigata</i> (Linnaeus, 1758)	128
<i>Adelphocoris seticornis</i> (Fabricius, 1775)	125
<i>Anthocoris nemorum</i> (Linnaeus, 1761)	116
<i>Nabis rugosus</i> (Linnaeus, 1758)	114
<i>Myrmus miriformis</i> (Fallén, 1807)	103
<i>Orthops kalmii</i> (Linnaeus, 1758)	103
<i>Leptopterna dolabrata</i> (Linnaeus, 1758)	102
<i>Charagochilus gyllenhalii</i> (Fallén, 1807)	101
<i>Megaloceroea relicticornis</i> (Geoffroy, 1785)	100
<b>Aquatic and semi-aquatic Heteroptera</b>	
<i>Gerris lacustris</i> (Linnaeus, 1758)	40
<i>Gerris gibbifer</i> Schummel, 1832	36
<i>Velia caprai</i> Tamanini, 1947	23

*quadriguttatus*), and some neighbouring localities. However, certain other less demanding xerothermophilous species even penetrate into the central and northern parts of the Bílé Karpaty PLA: Vyškovecké Bošáčky (ca. 550 m) – *Oxycarenus pallens*, *Tingis auriculata*; the Skalka quarry (550–580 m) – *Heterogaster artemisiae*, *Holcostethus sphacelatus*, *Phymata crassipes*, *Syromastes rhombeus*; the Pod Hřibovňou NM (550–640 m) – *Brachycoleus decolor*; the Jalovcová stráň NR (580–650 m) – *Adelphocoris vandalicus*, *Copium clavicornis*, *Coptosoma scutellatum*, *Heterocapillus tigrisipes*, *Phymata crassipes*; the Kaňoury NM (610–660 m) – *Coptosoma scutellatum*; the Ploščiny NR (670–739 m) – *Adelphocoris vandalicus*. In these localities, thermophilous species often occur together with boreo-montane species, such as *Nithecus jacobaeae* or *Lygus wagneri*. Mountain species are mostly restricted to the higher altitudes of the northern and central areas of the Bílé Karpaty (*Grypocoris sexguttatus*, *Lygus wagneri*, *Mecomma ambulans*, *Nithecus jacobaeae*, *Pinalitus atomarius*, and *Stenodema holsata*). In its southern part, boreo-montane elements occur almost exclusively on Mt. Velká Javořina (970 m a.s.l.) which holds true e.g. for *Calocoris alpestris*, *Grypocoris sexguttatus*, *Lygus wagneri*, *Mecomma ambulans*, *Nithecus*

*jacobaeae*, *Phytocoris intricatus*, and *Stenodema holsata*. The rare occurrence of *Lygus wagneri*, a montane species, in xerothermic localities in the south of the Bílé Karpaty (Žerotín NM, Hrubá Vrbka) appears quite exceptional. The distribution of selected thermophilous and boreo-montane species in the area is mapped in Fig. 1.

An analysis of the available records allows an estimate to be made of the numbers of the most common species of true bugs in the fauna of the Bílé Karpaty PLA. Altogether 23 species are represented in the material examined by 100 or more records, the most common species being *Lygus pratensis* with 256 records. The most common species are mostly euryecious, ubiquitous, polyphagous phytophages (*Lygus* spp., *Dolycoris baccarum*, etc.), specialized grass-feeders (*Trigonotylus caelestialium*, *Aelia acuminata*, *Notostira erratica*, *Stenodema calcarata*, *S. laevigata*, *Leptopterna dolabrata*, *Myrmus miriformis*, and *Megaloceroea recticornis*) or non-specialized predators (*Nabis pseudoferus*, *N. rugosus*, and *Anthocoris nemorum*) (see Table 3). The only exceptions are *Orthops kalmii* which is oligophagous on Apiaceae, *Charagochilus gyllenhalii* bound to *Galium*, and *Spilostethus saxatilis* which is the only species of the most common ones that seems to prefer well-preserved species-rich grasslands and is quite rare in disturbed habitats. The 22 most common terrestrial species attract a total of 3201 records, i.e. nearly 30% of all heteropteran species records from the Bílé Karpaty PLA.

A scarcity of larger aquatic habitats means that the aquatic and semi-aquatic bug species are much less-well represented in the Bílé Karpaty PLA compared to the terrestrial fauna. Although the 33 species recorded account for 52.4% of the Czech water bug fauna, the number of records of individual species is low and some of them have not been recorded in recent field surveys. The most common water bugs collected in the Bílé Karpaty PLA are semi-aquatic species: the euryecious *Gerris lacustris* with 40 records; *G. gibbifer*, an inhabitant of various kinds of puddle, with 36 records; and *V. caprai*, living in streams, with 23 records (see Table 3).

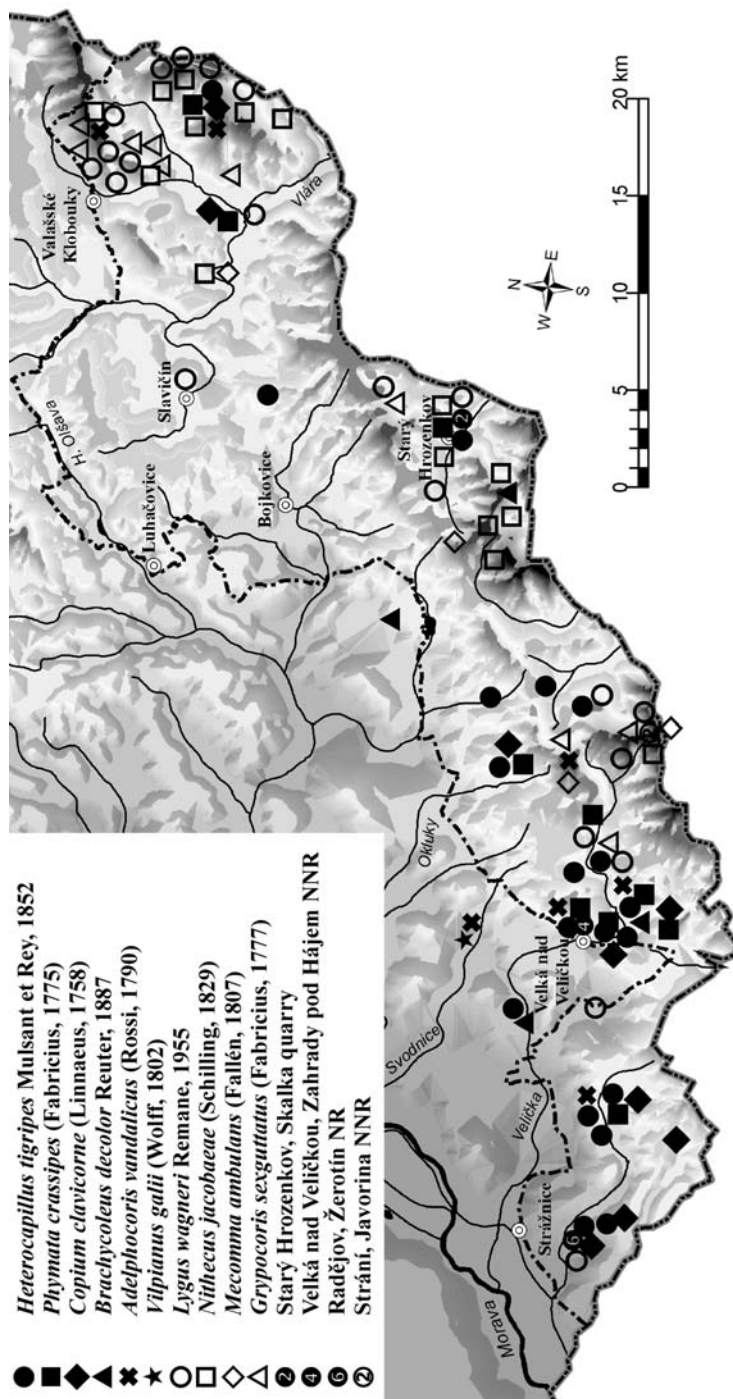
In contrast, 88 species (17.6%) have been recorded in the Bílé Karpaty only once, 43 species (8.6%) twice, and 41 species (8.2%) were found just three times. These 172 rare species (34.4%) are thus represented by only 297 records (2.75%).

Three species are recorded here for the first time for the Czech Republic: *Charagochilus spiralifer*, *Heterocordylus cytisi* (both Miridae), and *Dysepicritus rufescens* (Anthocoridae). *Heterocordylus cytisi* is also the first record for the whole of central Europe. Four additional species are first records for Moravia (i.e. they were

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**Fig. 1.** Distribution of selected thermophilous (full symbols) and mountain species (empty symbols) in the Bílé Karpaty PLA and BR: Starý Hrozenkov, Skalka quarry is a single locality of *Heterogaster artemisiae* Schilling, 1829 and *Holcostethus sphaclatus* (Fabricius, 1794); Velká nad Veličkou, Zahrady pod Hájem NNR is a single locality of *Berytinus striola* (Ferrari, 1874), *Catoplatus horvathi* (Puton, 1878), *Odontotarsus purpureolineatus* (Rossi, 1790), and *Omphalonotus quadriguttatus* (Kirschbaum, 1856); Radějov, Žerotín NR is a single locality of *Icodema infuscata* (Fieber, 1861), *Neottiglossa leporina* (Herrich-Schaeffer, 1830), *Phytocoris insignis* Reuter, 1876, *Raglius confusus* (Reuter, 1886), *Rhaphigaster nebulosa* (Poda, 1761), and *Rhynocoris iracundus* (Poda, 1761); Strání, Javorina NNR is a single locality of *Calocoris alpestris* (Meyer-Dür, 1843) and *Phytocoris intricatus* Flor, 1861.

True bugs (Hemiptera: Heteroptera)



**Table 4.** Representation of zoogeographical elements in the fauna of the Bílé Karpaty PLA.

FAUNISTIC ELEMENT	No. of species	% of species	No. of species	% of species
Cosmopolitan	1	0.2	<b>100</b>	<b>20.0</b>
Holarctic	39	7.8		
Holopalaearctic	59	11.8		
Holopalaearctic + Afrotropical	1	0.2		
Eurosiberian	116	23.2	<b>163</b>	<b>32.5</b>
Eurosiberian + Central Asiatic	35	7.0		
Eurosiberian + Holomediterranean	1	0.2		
South Eurosiberian	10	2.0		
South Eurosiberian + Central Asiatic	1	0.2		
West Palaearctic	38	7.6	<b>108</b>	<b>21.6</b>
West Palaearctic + Afrotropical	1	0.2		
West Eurosiberian	64	12.8		
West Eurosiberian + Central Asiatic	5	1.0		
European	55	11.0	<b>70</b>	<b>14.0</b>
Atlantic	1	0.2		
European + Central Asiatic	2	0.4		
European + Holomediterranean	7	1.4		
European + Ponto-Mediterranean	1	0.2		
Central European	3	0.6		
East European-Kazakh	1	0.2		
Balkan-Pannonian	2	0.4	<b>57</b>	<b>11.4</b>
Holomediterranean	13	2.6		
Holomediterranean + Central Asiatic	15	3.0		
Holomediterranean + South Eurosiberian	1	0.2		
North Mediterranean	19	3.8		
North- and West-Mediterranean	2	0.4		
Ponto-Mediterranean	4	0.8		
Ponto-Mediterranean + Central Asiatic	1	0.2		
West Mediterranean (alien)	1	0.2	<b>3</b>	<b>0.6</b>
East Palaearctic (alien)	1	0.2		
Nearctic (alien)	1	0.2		

previously known in the Czech Republic only from Bohemia): *Acalypta platycheila* (Tingidae), *Phytocoris* (*Phytocoris*) *hirsutulus* (Miridae), *Loricula* (*Loricula*) *ruficeps* (Microphysidae), and *Elatophilus* (*Elatophilus*) *nigricornis* (Anthocoridae).

Altogether 62 true bug species (12.4%) recorded in the Bílé Karpaty PLA appear in the Red List of threatened invertebrates of the Czech Republic (KMENT & VILÍMOVÁ 2005). One of them, *Megalotomus junceus*, was once classified as extinct in the country (KMENT & VILÍMOVÁ 2005), but was rediscovered shortly afterwards at a single locality in the Bílé Karpaty PLA and thus should be now considered critically endangered. Four other species are classified as critically endangered (*Agramma confusum*, *Tropidothorax leucopterus*, *Coriomeris scabricornis*, and *Chlorochroa juniperina*); nine species are considered endangered (*Gerris asper*, *Macrotylus quadrilineatus*, *Tytthus pygmaeus*,



**Table 5.** Number of species collected with Malaise traps at selected localities within the Bílé Karpaty PLA (year of sampling).

Locality number	Locality (year of sampling)	No. of species
14	Petrůvka, U Petrůvky NM (2008)	78
64	Petrůvka, Kladenka brook valley (2008)	47
87	Sídonie, Sídonie NR (2010)	21
93	Svatý Štěpán, Chladný vrch NM (2010)	17
164	Žitková, Hutě NR (2007)	100
188	Radějov, Žerotín NM (2008)	99
204	Kněždub, Čertoryje NNR, Radějovka brook valley (2010)	53
218	Radějov, Mandát brook valley below Kútky NR (2008)	46
225	Velká nad Veličkou, Zahrady pod Hájem NNR (2009)	89
232	Javorník, Jazevčí NNR (2009)	113
241	Javorník, Jazevčí NNR, left-side tributary of Velička river (2009)	79
	<i>Javorník, Jazevčí NNR (total)</i>	135
246	Hryzlácké Mlýny, valley of right-side tributary of Velička (2009)	65
256	Javorník, Machová NR, Rybnický potok brook E of Machová (2007)	90
259	Javorník, Machová NR (2007)	113
259	Javorník, Machová NR (2010)	56
260	Javorník, Machová NR, Rybnický potok brook N of Machová (2010)	68
	<i>Javorník, Machová NR (total)</i>	187

*Peritrechus gracilicornis*, *Scolopostethus puberulus*, *Berytinus striola*, *Ceraleptus gracilicornis*, *Sehirus morio*, and *Holcostethus sphacelatus*); thirty-one species as vulnerable; and seventeen species are categorised as near-threatened.

Twenty-one species previously recorded from the current Bílé Karpaty PLA in literature or documented here only from specimens from the Moravian Museum, Brno (collected in the 1970s and 1980s) were not recorded again in 1998–2011. However, most of these species are generally rare and it is highly probable that they still occur in the Bílé Karpaty PLA. Two aquatic species, *Corixa punctata* and *Cymatia coleoptrata*, seem to have disappeared after the disappearance of their original habitat, but they may still survive in other suitable places, although aquatic habitats with rich aquatic vegetation and an absence of fish are rare in the Bílé Karpaty PLA. A revitalisation of some aquatic habitats may possibly increase the biodiversity of aquatic Heteroptera in the area in the future. The only two species that have probably become locally extinct in the Bílé Karpaty PLA are *Coriomeris scabricornis*, which evidently withdrew from most of its former localities throughout the Czech Republic, and *Adelphocoris reicheli* which has not been collected in Moravia since 1970. For Heteroptera, no case of a species extinction or decline has been documented in connection with recent management activities (cutting, grazing) in species-rich grasslands, although the butterflies have suffered (see KONVIČKA *et al.* 2008).

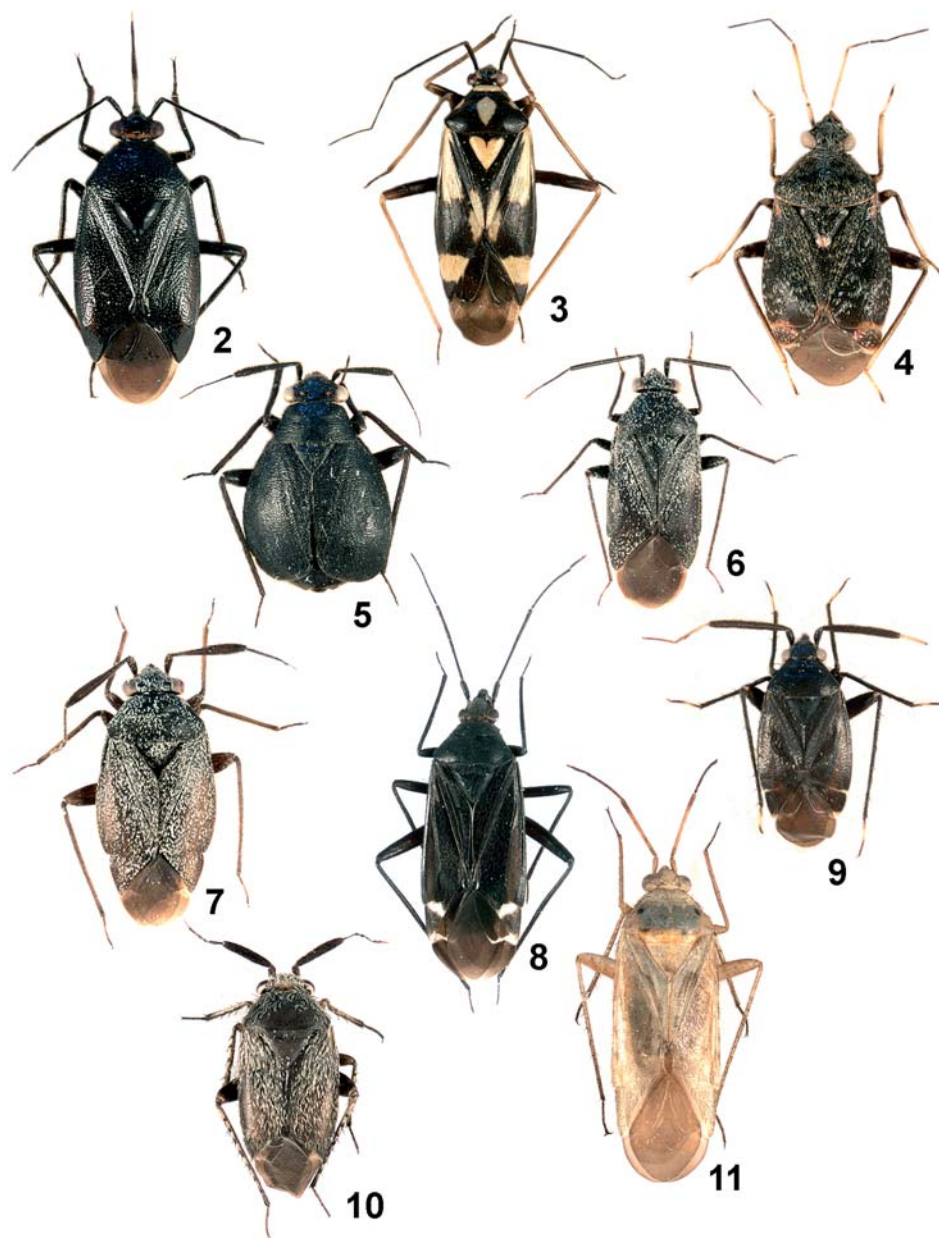
A zoogeographical analysis of the recorded species is given in Table 4. The majority of the species belong to various widely distributed faunistic elements: 100 species (20%) have a Holopalaeartic or Holarctic distribution (including cosmopolitan species), 163

species (32.5%) are Eurosiberian, and 108 species (21.6%) are West Palaearctic or West Eurosiberian. Among species with more restricted distributions, European species (70 species, 14.0%) prevail, three rare central European species, *Physatocheila harwoodi*, *Phylus plagiatus*, and *Phytocoris hirsutulus*, being the most remarkable among them. The Mediterranean faunistic element is represented by 57 species (11.4%), mostly thermophilous, which concentrate at xerothermic localities such as Žerotín hill in the southern part of the Bílé Karpaty. The overall representation of the Mediterranean species in the Bílé Karpaty PLA is lower than in steppe habitats in the Moravian Pannonicum (e.g. Svatý kopeček NR – 31% Mediterranean species among all Heteroptera recorded, Rokytenské slepence rocks – 26.7%; BRYJA & KMENT 2006b, BRYJA *et al.* 2002). Among the Mediterranean species present in the Bílé Karpaty PLA, several are of major zoogeographical importance, as they reach their northernmost distribution limits here: *Harpocera hellenica*, *Heterocapillus tigripes*, *Heterocordylus cytisi*, *Icodema infuscata*, *Psallus asthenicus*, *P. cruentatus*, *Megalotomus junceus*, and *Vilpianus galii*. The Ponto-Mediterranean plant bug *Macrotylus quadrilineatus* extends northwards to the Carpathians and the Alps and represents the only “Carpathian” element in the fauna of the Bílé Karpaty.

In addition to our employing the usual collecting methods for assessing heteropteran species diversity, especially sweep-netting, beating vegetation, sifting litter, individual collecting, and pitfall traps, the staff of the National Museum, Praha, installed Malaise traps in selected habitats, allowing us to examine a further substantial body of material (2194 records, 5,461 specimens). As Malaise traps are only rarely used for faunistic research devoted to Heteroptera, we were quite surprised at the high diversity of species taken by this method in open habitats (for numbers of species collected in particular localities, see Table 5). Thirty-five of the species in this paper were collected by means of Malaise traps only, including a number of remarkable species: *Charagochilus spiralis* and *Dysepicritus rufescens* (both first records in the Czech Republic), *Elatophilus nigricornis*, *Loricula ruficeps*, and *Phytocoris hirsutulus* (all first records for Moravia), *Harpocera hellenica* and *Icodema infuscata* (both very rare species occurring in the Bílé Karpaty Mts. at the northern edge of their distribution ranges), as well as cryptically living species generally difficult to collect by the usual methods (e.g. the corticolous *Isometopus intrusus*, *Loricula* spp., *Dysepicritus rufescens*, *Elatophilus nigricornis*, semiedafic *Ceratocombus coleoptratus*, and *Xylocoris galactinus*, which inhabits decaying organic matter). However, the Malaise traps failed to collect several species common in the habitats under study, especially those with a prevalence of flightless specimens (e.g. *Myrmus miriformis*). Based on this experience we can recommend Malaise traps as an excellent supplementary method for long-term biodiversity inventories of Heteroptera. Pitfall traps were shown to be less effective in the Bílé Karpaty PLA as only two species, *Himacerus boops* and *Trapezonotus anorus*, were collected solely by this method. The pitfall traps, however, provided most of the examined specimens of certain other species (e.g. *Acalypta marginata* and *Campylosteira verna*).

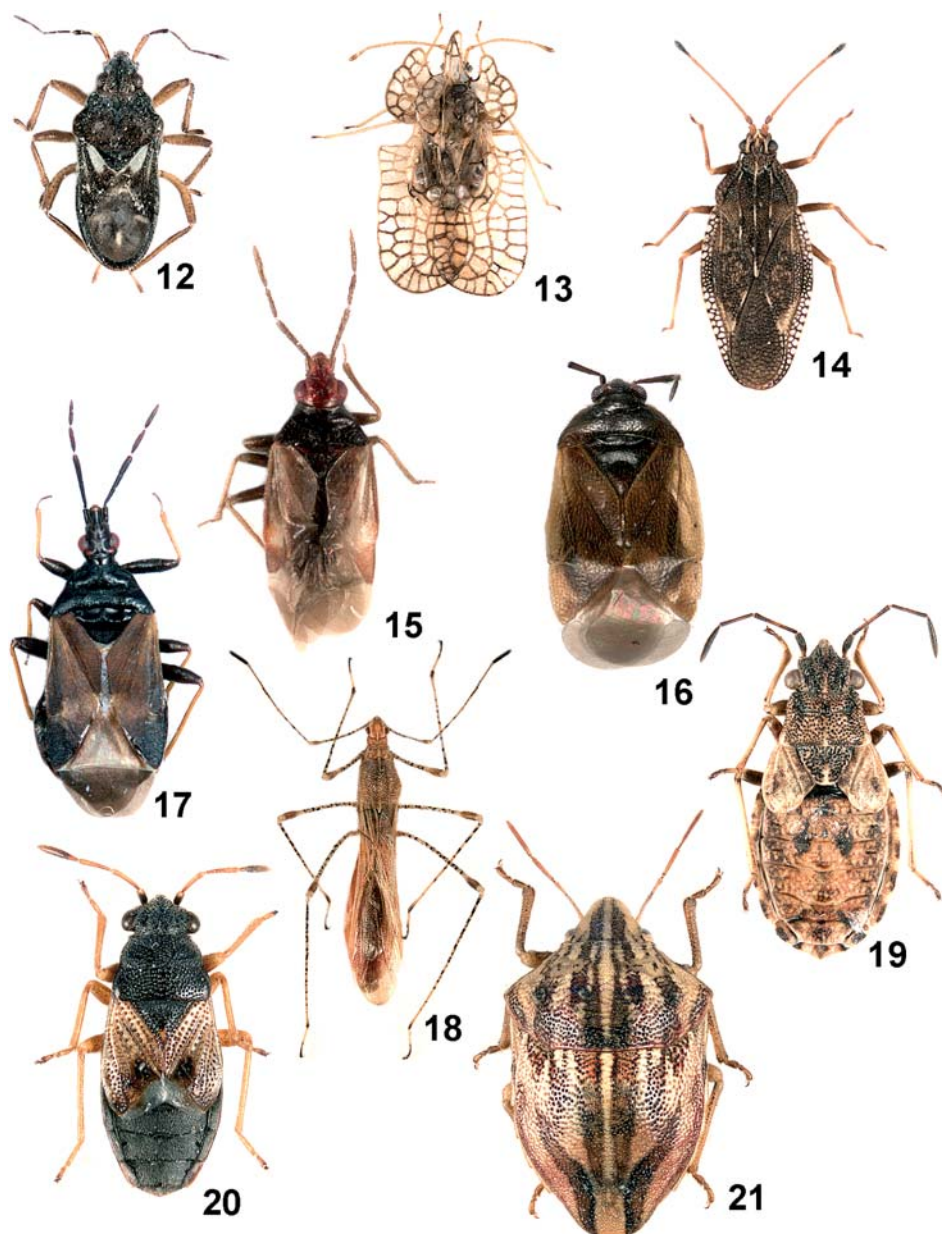
### Acknowledgements

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**Figs 2–11.** Habitus of some Heteroptera recorded in Bílé Karpaty Protected Landscape Area and Biosphere Reserve. 2 – *Deraeocoris* (*D.*) *morio* (Boheman) (4.9 mm); 3 – *Grypocoris* (*Lophyromiris*) *sexguttatus* (Fabricius) (7.4 mm); 4 – *Charagochilus* (*Ch.*) *spiralifer* Kerzhner (3.9 mm); 5 – *Orthocephalus* *brevis* (Panzer) female (4.8 mm); 6 – *Heterocordylus* (*H.*) *cytisi* Josifov, male (4.4 mm); 7 – *Heterocordylus* (*H.*) *cytisi* Josifov, female (4.6 mm); 8 – *Macrotylus* (*M.*) *quadrilineatus* (Schrank) (4.8 mm); 9 – *Criocoris* *nigripes* Fieber (2.8 mm); 10 – *Heterocapillus* *tigripes* (Mulsant et Rey) (3.2 mm); 11 – *Placochilus* *seladonicus* (Fallén) (5.7 mm).

True bugs (Hemiptera: Heteroptera)



**Figs 12–21.** Habitus of some Heteroptera recorded in Bilé Karpaty Protected Landscape Area and Biosphere Reserve. 12 – *Hebrus (H.) pusillus* (Fallén) (1.9 mm); 13 – *Galeatus sinuatus* (Herrich-Schaeffer) (3.3 mm); 14 – *Physatocheila harwoodi* China (3.1 mm); 15 – *Loricula (L.) ruficeps* (Reuter), male (1.4 mm); 16 – *Dysepicritus rufescens* (Costa) (2.2 mm); 17 – *Elatophilus (E.) nigricornis* (Zetterstedt) (3.2 mm); 18 – *Metatropis rufescens* (Herrich-Schaeffer) (7.6 mm); 19 – *Nithecus jacobaeae* (Schilling) (5.3 mm); 20 – *Acompus rufipes* (Wolff) (3.6 mm); 21 – *Odontotarsus purpureolineatus* (Rossi) (9.5 mm).

## Souhrn

### Plošnice (Hemiptera: Heteroptera) Chráněné krajinné oblasti a biosférické rezervace Bílé Karpaty.

V letech 1998–2010 byl v Chráněné krajinné oblasti a biosférické rezervaci Bílé Karpaty proveden komplexní faunistický průzkum ploštíc (Hemiptera: Heteroptera) za použití několika různých metod kvalitativních a kvantitativních sběrů. Před rokem 1998 bylo z moravské stranky Bílých Karpat (tak, jak jsou chápány v této práci) známo pouze 98 druhů ploštíc. Nově shromážděný materiál představuje 10,732 faunistických údajů založených na identifikaci cca 35,984 jedinců ploštíc. Dokromady bylo v Bílých Karpatech nalezeno 501 druhů, což představuje 58 % fauny ploštíc známé z České republiky. Ze zkoumaných biotopů jsou pro plošnice nejvýznamnější druhově bohaté trávníky (louky a pastviny), na které je vázáno množství vzácných a ohrožených druhů, například *Criocoris nigripes* Fieber, 1861, *Deraeocoris morio* (Boheman, 1852), *Halticus pusillus* (Herrich-Schaeffer, 1835), *Heterocapillus tigrisipes* Mulsant et Rey, 1852, *Lopus decolor* (Fallén, 1807), *Macrotylus paykullii* (Fallén, 1807), *Megalocoleus molliculus* (Fallén, 1807), *Orthocephalus brevis* (Panzer, 1798), *Orthocephalus coriaceus* (Fabricius, 1777), *Placochilus seladonicus* (Fallén, 1807) a *Systellonotus triguttatus* (Linnaeus, 1767). Ostatní významné biotopy zahrnují pásy křovin a lesní pláště, prameniště a přirozené listnaté lesy. Tři druhy jsou v této práci hlášeny poprvé pro území České republiky: *Charagochilus spiralifer* Kerzhner, 1988, *Heterocordylus cytisi* Josifov, 1958 (Miridae) a *Dysepicritus rufescens* (A. Costa, 1847) (Anthocoridae); v případě druhu *H. cytisi* se jedná o první nález v celé střední Evropě. Čtyři další druhy jsou hlášeny poprvé pro území Moravy: *Acalypta platycheila* (Fieber, 1844) (Tingidae), *Phytocoris (Phytocoris) hirsutulus* Flor, 1861 (Miridae), *Loricula (Loricula) ruficeps* (Reuter, 1884) (Microphysidae) a *Elatophilus (Elatophilus) nigricornis* (Zetterstedt, 1838) (Anthocoridae). Navíc je druh *Charagochilus weberi* Wagner, 1953 vyloučen z fauny Slovenska, zatímco *Ch. spiralifer* je novým druhem pro Slovensko. Celkem 62 druhů ploštíc (12 %) nalezených v CHKO Bílé Karpaty je zařazeno do červeného seznamu ohrožených druhů bezobratlých České republiky. Z nich *Megalotomus junceus* (Scopoli, 1763) byl donedávna považován za vyhynulý, než byl během průzkumu v Bílých Karpatech znovuobjeven. Čtyři další druhy jsou hodnoceny jako kriticky ohrožené: *Agramma confusum* (Puton, 1879), *Tropidothorax leucopterus* (Goeze, 1778), *Coriomeris scabricornis* (Panzer, 1809) a *Chlorochroa juniperina* (Linnaeus, 1758), devět jako ohrožené: *Gerris asper* (Fieber, 1860), *Macrotylus quadrilineatus* (Schränk, 1785), *Tythus pygmaeus* (Zetterstedt, 1838), *Peritrechus gracilicornis* Puton, 1877, *Scolopostethus puberulus* Horváth, 1887, *Berytinus striola* (Ferrari, 1874), *Ceraleptus gracilicornis* (Herrich-Schaeffer, 1835), *Sehirus morio* (Linnaeus, 1761) a *Holcostethus sphaelatus* (Fabricius, 1794), 31 jako zranitelné a 17 jako téměř ohrožené. Většina druhů ploštíc vyskytujících se v Bílých Karpatech patří mezi faunistické elementy s širokými areály rozšíření: 100 druhů (20 %) má holopalearktické nebo holarktické rozšíření, 163 druhů (33 %) je eurosibiřských, 108 druhů (22 %) západopalearktických nebo západoeurosibiřských, 70 druhů (14 %) evropských a 57 druhů (11 %) je mediteránního původu. Mezi středomořskými druhy je několik zoogeograficky velmi významných prvků, které dosahují v oblasti Bílých Karpat své severní hranice rozšíření: *Harpocera hellenica* Reuter, 1876, *Heterocapillus tigrisipes*, *Heterocordylus cytisi*, *Icodema infusata* (Fieber, 1861), *Psallus asthenicus* Seidenstücker, 1966, *P. cruentatus* (Mulsant et Rey, 1852), *Megalotomus junceus* a *Vilpianus galii* (Wolff, 1802). Rovněž je diskutována užitečnost Malaisého pastí jako metody pro sledování biodiverzity ploštíc v rámci inventarizačních průzkumů.

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