

LATVIAN ENTIMINAE (COLEOPTERA: CURCULIONIDAE): 4. TRIBE PHYLLOBIINI SCHÖNHERR, 1826

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Faunal, phenological and bibliographical information on Latvian Phyllobiini are presented in the current paper. One species, *Phyllobius jacobsoni* Smirnov, 1913 is reported for the first time for the Latvian fauna. Bibliographical analysis on this weevil tribe in Latvia is made. The annotated list of Latvian Phyllobiini including 13 species is given.

Key words: Coleoptera, Curculionidae, Phyllobiini, Latvia, fauna, bibliography.

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INTRODUCTION

The tribe Phyllobiini Schönherr includes 33 genera distributed worldwide (Alonso-Zarazaga & Lyal 1999). In Fennoscandia and the Baltic States fauna of this tribe represented by two genera *Pseudomylocerus* Derbrochers des Loges, 1872 (reported only for Lithuania) and *Phyllobius* Germar, 1824 (Silfverberg 2010). The genus *Phyllobius* is of Palearctic origin and there are about 130 species of this genus known in the Palearctic region more than 80 of them are known from the Western Palearctic region (Pesarini 1981). 15 species of this genus occur in Fennoscandia and the Baltic States (Silfverberg 2010).

Hitherto, in Latvian fauna, 1 genus and 11 species of Phyllobiini are reported (Telnov 2004, Silfverberg 2010). In adjacent territories, the number of registered Phyllobiini species varies slightly: 13 species are recorded from Belarus (Alexandrovich et al. 1996), 11 species in Estonia – (Silfverberg 2010) and 15 species in Lithuania (Tamutis et al. 2011).

The first data on representatives of Phyllobiini in Latvia were published at the end of the 18th century in a monograph on natural history of Livland (Fischer 1784, 1791) and about 20 works appeared subsequently. Faunal data on this tribe can also be found in the following works: Barševskis 1993, 1997, 2001, Brammanis 1930, Groschke 1805, Kalniņš et al. 2007, Leiskina 1999, Lindberg 1932, Petrova et al. 2000, 2006, Priedītis 1958, 1979, Spuņģis 2008, Ulanowski 1884, Varzinska and Milander 1979, Varzinska & Milander 1981.

Imago of *Phyllobius* feed on foliage of herbaceous plants (mostly on *Achillea*, *Artemisia*, *Filipendula*, *Urtica*, and other), and deciduous trees and shrubs (mostly on *Betula*, *Prunus*, *Rubus*, *Salix*, *Sorbus*, *Quercus* and other) rarely on coniferous trees. Some species of the genus *Phyllobius* are pests of cultivated plants (Kryzhanovskij 1974). In Latvia *Ph. vespertinus* and *Ph. pomaceus* are reported as the pests of cultivated plants (Ozols 1973).

The aim of the current work is to summarize information available on Phyllobiini in Latvia.

Faunal data on 12 species are presented. Complete annotated bibliographical information on this weevil tribe in Latvia is compiled. The annotated list of Latvian species of Phyllobiini is presented. Altogether, 12 species are reported for Latvia.

MATERIAL AND METHODS

A total of ~1400 specimens were reviewed during the current study. The examined material is deposited in the collection of the Institute of Systematic Biology of Daugavpils University (DUBC, Daugavpils, Latvia), the entomological collection of the Institute of Biology of the Latvian University (LUBI, Salaspils, Latvia), the collection of the Latvian Natural History Museum (LDM, Rīga, Latvia), the collection of A. Barševskis (Daugavpils University, Daugavpils, Latvia), the collection of C. Mūthel (Latvian Natural History Museum, Rīga, Latvia).

The following keys were used for species identification: (Smreczynski 1966, Dieckmann 1980, Kippenberg 1981, Palm 1996, Morris 1997, Yunakov 2003). In this article, we follow the systematics suggested by Palm (1997) and Yunakov (2003), the nomenclature and synonymy used are in compliance with Alonso-Zarazaga and Lyal (1999, 2002) and Tamutis *et al.* (2011). Species are arranged alphabetically, subgenera according to Yunakov (2003). The general distribution of species and host plants is presented in the following works: Bajtenov 1974, Dedyukhin 2012, Dieckmann 1980, Hoffmann 1950, Kippenberg 1981, Legalov 2010, Legalov *et al.* 2010, Smreczynski 1966. The classification of chorotypes follows the one suggested by Vigna-Taglianti *et al.* (1999) and Gorodkov (1984). The chorotype codes used stand for: EUR – European, EWS – European-West Siberian, SIE – Siberian-European; ASE – Asiatic-European, TUE – Turano European; WPA – West-Palaearctic.

The following information is given for each species: scientific name & author, available bibliographical sources for Latvia, approved faunal data (number of collected or observed

specimens is mentioned in parentheses), host plants, phenology (Latvian data only; IV, VI, VII, VIII, IX, – months from March to September respectively), general distribution of species inclusive the chorotype code.

All records of examined material are arranged by the system of administrative districts, used in Latvia from 1991 to 2008.

The following abbreviations are used: C – central, d. – district, E – East, env. – environs, Isl. – island, N – North, NP – National Park, NPT – Nature protected territory, S – South, W – West. Some of the abbreviations employed are not standard English language abbreviations.

RESULTS AND DISCUSSION

During the current research, occurrence of 10 species and 5 subgenera of *Phyllobius* were confirmed for Latvia. One species, *Phyllobius jacobsoni* Smirnov, 1913 is reported for the first time for the Latvian fauna. Overall, the list of Latvian Phyllobiini includes 5 subgenera and 12 species.

Notes on species occurrence frequency in Latvia were prepared after studying the material and analysing the bibliographical data on Phyllobiini. Three species (*Phyllobius arborator* (Herbst, 1797), *Ph. maculicornis* Germar 1824 and *Ph. pomaceus* Gyllenhal, 1834) are considered very common (known more than 40 localities), five species (*Phyllobius oblongus* (Linnaeus, 1758), *Ph. virideaeris* (Laicharting, 1781), *Ph. glaucus* (Scopoli, 1763), *Ph. argentatus* (Linnaeus, 1758) and *Ph. pyri* (Linnaeus, 1758)) are considered common (known from 20 to 40 localities), two species (*Phyllobius viridicollis* (Fabricius, 1792) and *Ph. vespertinus* (Fabricius, 1792)) are infrequent (known from 10 to 19 localities) and one species (*Phyllobius jacobsoni* Smirnov, 1913) is very rare (known from 1 to 5 localities). Occurrence of one species (*Phyllobius betulinus* (Bech. & Scharfenberg, 1805)) in Latvia is doubtful.

Performed analysis of chorotypes of Latvian

Phyllobiini reveals that the range of chorotypes is rather wide: Turano European – one species (*Phyllobius jacobsoni*), European – four species (*Phyllobius arborator*, *Ph. argentatus*, *Ph. Betulinus*, *Ph. vespertinus*), European-West Siberian – one species (*Phyllobius viridicollis*), Siberian-European – three species (*Phyllobius maculicornis*, *Ph. oblongus*, *Ph. virideaeris*), Asiatic-European – two species (*Phyllobius pomaceus* and *Ph. pyri*) and West-Palaeartic one species (*Phyllobius glaucus*).

Annotated Check-List of Curculionini of Latvian fauna

Family Curculionidae Latreille, 1802

Subfamily Entiminae Schönherr, 1826

Tribe Phyllobiini Schönherr, 1826

Genus *Phyllobius* Germar, 1824

Subgenus *Nemoicus* Dillwyn 1829

Ph. (Nemoicus) oblongus (Linnaeus, 1758)

References: Seidlitz 1872-1875, 1887-1891; Rathlef 1905; Priedītis 1958, 1979; Rupais 1962, 1999; Ozols 1963; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Kalniņš *et al.* 2007; Bukejs 2011.

Examined material: 66 specimens: Cēsis d.: Līgatne, 11.06.1974 (10, leg. L. Danka);

Daugavpils d.: Daugavas loki NPT, 2,8 km S Naujene, 1,5 km SW Vecpils, 9.05.2008 (1, River Daugava valley, broad leaved forest and meadows with glens, leg. U. Valainis), 9.05.2008 (1, leg. R. Cibulskis), Dviete, 12.07.2009 (1, on *Salix*, leg. M. Balalaikins), Eglaine, 2.06.1993 (2, leg. A. Barševskis), Pilskalne, 29.05.1993 (1, leg. A. Barševskis), Slutišķi, 1.07.1995 (1, leg. A. Barševskis), Varnaviči, 25.05.1989 (1, leg. A. Barševskis), Vecsaliena, River Mārkalne, Lejzemnieki house, 21.05.2008 (3, leg. A. Pankjāns), Višķi, 11.06.1989 (1, leg. A. Barševskis); Gulbenes d.: Lejasciems 20.06.1974 (1 ex.), Litene 9.06.1974 (1 ex.); Krāslava d.: Indrica 17.06.1989 (1, leg. A. Barševskis), Piedruja 23.05.1989 (4, leg. A. Barševskis), Šķeltiņi, 29.05.1993 (1, leg. A. Barševskis), 3.06.2008 (1, leg. A. Barševskis), 7.2009 (2, leg. A. Barševskis), Ūdrīši, Zapoļniki house, 9.06.2007 (2, leg. M. Janovska); Jēkabpils d.:

Dunava, 1.06.2008 (4, leg. A. Barševskis); Vandāni, 14.06.2009 (5, bank of River Daugava, on *Salix*, leg. M. Balalaikins); Jelgava d.: Zalenieki, Pumpuri house, 13.06.1956 (1, on *Pyrus*, Z. Spuris); Kuldīga d.: Renda, 15.05.1973 (1, meadow, leg. M. Šternbergs); Ludza d.: Bļāši, 23.06.2009 (1, leg. M. Balalaikins); Madona d.: Lubāna, 14.06.1974 (1, ex.), Meirāni 15.06.2006 (1 ex.); Rīga d.: Carnikava, 15.06.1976 (2, leg. S. Burlakovs) 28-30.05.1995 (1, leg. N. Savenkovs), Dalbe, 14.07.1969 (2 ex., on *Alnus*), Dārziņi, 25.05.1975 (2, leg. M. Stiprais), Kundziņsala 4.06.1969 (4 ex.), Renda, 15.05.1973 (1, meadow, leg. M. Šternbergs), 25.05.1974 (1 ex.), Sigulda, 17.06.1969 (1 ex.), 10.07.1969 (1 ex.), 16.07.1969 (1 ex.); Saldus d.: Reņģe, 20.05.1934 (1, leg. J. Muskars).

Host plants: Polyphagous: *Corylus* (Corylaceae); *Cerasus*, *Fragaria*, *Pyrus*, *Prunus*, *Malus*, *Rubus* (Rosaceae).

Phenology: V-VII.

General distribution: Europe, Siberia, Central Asia (W Kazakhstan). Has been introduced to N America. [SIE].

Note: A common species in Latvia.

Subgenus *Dieletus* Reitter 1916

Ph. (Dieletus) argentatus (Linnaeus, 1758)

References: Fischer 1784, (*Curculio*) 1791 (*Curculio*); Seidlitz 1872-1875, 1887-1891; Ulanowski 1884; Rathlef 1905; Priedītis 1958, 1979; Rupais 1962, 1999; Ozols 1963; Cīnītis 1975; Milander and Varzinska 1979; Varzinska and Milander 1981; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Jansson 2002; Petrova *et al.* 2005, 2006; Kalniņš *et al.* 2007; Bukejs 2011.

Examined material: 70 specimens: Aizkraukle d.: Rīteri, 20.06.2006 (1, leg. A. Barševskis), 8.06.2009 (3, leg. A. Barševskis, R. Orlovskis); Daugavpils d.: Bebrene, Dvietes paliene (floodland) NPT, 23.06.2006 (3 ex.), 25.06.2006 (5 ex.), Bebrene 1.07.2006 (1 ex.), 22.06.2006 (1, ex.), Ilgas, Silene NPT, 15.06.1988 (1, leg. A. Barševskis), 3.06.1992 (1, leg. A. Barševskis), 9.06.1992 (1, leg. A. Barševskis), 4.07.1992 (1, leg. A. Barševskis), 7.07.1992 (1, leg. A. Barševskis), 16.06.1993 (2, leg. A. Barševskis), 7.07.1993 (1, leg. A. Barševskis),

2.07.1995 (1, leg. A. Barševskis), 3.07.1995 (1, leg. A. Barševskis), 29.04.-10.07.2000 (1, leg. A. Rutka), 05-07.2000 (2, ex.), 16.06.2001 (1, leg. I. Valpētere), 28-30.06.2004 (1, leg. A. Barševskis), 18.05.2005 (1, leg. A. Barševskis), Naujene, Daugavas loki NPT, 23.05.2008 (3, leg. A. Pankjāns), Šedere, Ciemati house, 14.07.2007 (1, ex.); Jēkabpils d.: Rubene, 15.06.2000 (1, leg. I. Leiskina), Zasa, 19.06.2000 (2, leg. I. Leiskina); Krāslava d.: Tartaka, (1, along the lake shore, leg. A. Barševskis); Rīga d.: Olaine, 06-09.2007 (1, leg. J. Donis), 20.06.2007 (1, leg. J. Donis), 30.07.2007 (1, leg. J. Donis), Sigulda, 6.06.1969 (5 ex.); Saldus d.: Reņģe, 20.05.1934 (1, leg. J. Muskars); Madona d.: Krustkalni NPT, 06.2005 (1, leg. A. Barševskis); Talsi d.: Kaļķi, Kaļķupes ieleja (valley) NPT, 13.07.2009 (1, leg. A. Barševskis, R. Cibuļskis), Mazirbe, 17.07.2005 (1, dunes, leg. A. Barševskis), Slītere, Slītere NP, 12.06.2005 (2, leg. A. Barševskis), 27.06.2006 (2, leg. A. Barševskis), Slītere NP, Zilie Kalni, 11.06.2005 (2, leg. A. Barševskis), Ances meži un purvi (forests and swamps) NPT, 27.06.2006 (2, leg. U. Valainis); Tukums d.: Ķemeru National Park, 26.06.2006 (1, leg. A. Pankjāns), (1, window trap, leg. A. Barševskis); Ventspils d.: Moricsala NPT, 06.2003 (1, leg. U. Valainis), 07.2003 (1, leg. U. Valainis), 11.07.2005, (1, leg. A. Barševskis), 29.05.2006 (2 leg. A. Barševskis), 29.06.2006 (1, window trap, leg. A. Barševskis), 07.2009 (1, window trap, on *Sorbus aucuparia*, A. Pankjāns), 13.06.2008 (3, window trap, leg. M. Nitcis).

Host plants: polyphagous: *Alnus*, *Betula* (Betulaceae); *Corylus* (Corylaceae); *Fagus*, *Quercus* (Fagaceae); *Philadelphus* (Hydrangeaceae); *Cerasus*, *Fragaria*, *Malus*, *Pyrus*, *Prunus*, *Rosa* (Rosaceae); *Populus*, *Salix* (Salicaceae); *Tilia* (Tiliaceae).

Phenology: V-VII.

General distribution: Europe, W Siberia (doubtful) [EUR].

Note: A common species in Latvia.

Subgenus *Subphyllobius* Schilsky, 1911

(-) *Ph. (Subphyllobius) roboretanus* Gredler, 1882

=*parvulus* (Olivier, 1807 nec Fabricius, 1792)

References: Barševskis 1993 (misidentification), 1997 (disproved); Telnov *et al.* 1997; Telnov 2004.

Host plants: *Acer* (Aceraceae); *Corylus* (Corylaceae); *Quercus* (Fagaceae); *Crataegus*, *Prunus*, *Rosa*, (Rosaceae); *Salix* (Salicaceae).

General distribution: Europe excl. N, N Africa (Algeria), Siberia (doubtful), Central Asia (N Kazakhstan) [WPA].

Note: Disproved by Barševskis 1997.

Ph. (Subphyllobius) virideaeris (Laicharting, 1781)

References: Fleischer 1829; Seidlitz 1872-1875, 1887-1891; Rathlef 1905; Lindberg 1932; Priedītis 1958; Milander and Varzinska 1979; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Kalniņš *et al.* 2007; Bukejs 2011.

Examined material: 151 specimens: Aizkraukle d.: Rīteri, 21.06.2006 (1, leg. A. Barševskis); Daugavpils d.: Butišķi, 1.07.2009 (5, bank of River Daugava, on *Salix*, leg. M. Balalajkins and A. Bukejs), Daugavpils, 28.05.1993 (6, near fortress, leg. A. Barševskis), 16.06.2005 (2, leg. A. Barševskis), 24.06.2006 (1, leg. A. Barševskis), 17.06.2009 (5, bank of River Daugava, on *Salix*, leg. A. Bukejs), 26.06.1992 (1, leg. A. Barševskis), Dviete NPT, Dviete paliene (floodland), 12.05.2009 (1, near River Berezovka, leg. A. Pankjāns and M. Nitcis), Elerne, Muravki house, 26.06.2005 (4, leg. A. Barševskis and K. Barševska), Ilgas, Silene NPT, 18.06.1993 (1, leg. A. Barševskis), 13.06.1995 (1, leg. A. Barševskis), 25-30.05.1998 (2, leg. A. Barševskis), 13.06.1996 (6, leg. A. Barševskis), 6.06.1996 (6, leg. A. Barševskis), 27.06.1996 (1, leg. A. Barševskis), 14-20.06.2002 (1, leg. A. Barševskis), 6-15.06.2004 (15, leg. A. Barševskis), 2-10.07.2004 (2, leg. A. Barševskis), 9.06.2008 (1, leg. A. Barševskis and A. Soldāns), Krauja 19.06.2009 (1, bank of River Daugava, leg. R. Cibuļskis), Mežciems 16.06.2005 (2, leg. A. Barševskis, A. Bukejs and U. Valainis), Naujene, 15.06.1994 (1, leg. A. Barševskis), Stropi, 29.09.1985 (1, leg. A. Barševskis), Višķi, 7.06.1990 (4, leg. A. Barševskis), 23.06.2009 (5, leg. A. Bukejs); Jēkabpils d.: Dunava, 27.05.1995 (1, leg. A. Barševskis), 1.06.2002 (23, leg. A. Barševskis), 3.06.2007 (4, leg. A.

Barševskis) 1.06.2008 (37, leg. A. Barševskis), 1-8.06.2009 (1, leg. K. Barševska); Krāslava d.: Baltica, 25.05.1990 (1, leg. A. Barševskis), Ūdrīši, Zapoļniki house, 9.06.2007 (2, leg. M. Janovska); Ludza d.: Bļāši, 23.06.2009 (1, leg. M. Balalaikins); Preiļi d.: Līvāni, 14.06.2009 (4, bank of River Daugava, on *Salix*, leg. M. Balalaikins); Rīga d.: Sigulda, 12.06.1969 (1, ex.).

Host plants: Polyphagous: *Alnus*, *Betula* (Betulaceae); *Achillea*, *Artemisia* (Compositae); *Quercus* (Fagaceae); *Salvia* (Labiatae); *Astragalus*, *Vicia* (Leguminosae); *Padus*, *Prunus*, (Rosaceae); *Populus*, *Salix* (Salicaceae); *Ulmus* (Ulmaceae).

Phenology: V-VII; IX(3).

General distribution: Europe, Caucasus, Siberia, East Asia (Mongolia) [SIE].

Note: A common species in Latvia.

Subgenus *Pterygorrhynchus* Pesarini 1969

Ph. (Pterygorrhynchus) maculicornis Germar 1824

References: Seidlitz 1872-1875, 1887-1891; Rathlef 1905; Priedītis 1958; Ozols 1963; Cīnītis 1975; Milander and Varzinska 1979; Varzinska and Milander 1981; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Petrova *et al.* 2005; 2006; Kalniņš *et al.* 2007; Spuņģis 2008; Bukejs 2011.

Examined material: 328 specimens: Bauska d.: Skaistkalne, 19.06.2009 (1, leg. A. Barševskis); Aizkraukle d.: Rīteri, 21.06.2006 (3, leg. A. Barševskis), Skrīveri, 21.06.2006 (3, leg. A. Barševskis), 21.06.2006 (1, leg. M. Nitcis), 8.06.2009 (1, leg. R. Orlovskis and A. Barševskis); Cēsis d.: Dzērbene, 3.07.2006 (1, leg. A. Barševskis, U. Valainis and A. Pankjāns); Daugavpils d.: Bebrene, NPT Dvietes paliene (floodland), 13.06.2006 (1 ex.), 18.06.2006 (1 ex.), 25.06.2006 (3 ex.), Bebrene 15.06.2006 (1 ex.), 18.06.2006 (1 ex.), 23.06.2006 (2 ex.), 1.07.2006 (1 ex.), Butišķi, 26.05.2008 (1, valley of River Daugava, leg. A. Bukejs), 1.07.2009 (2, valley of River Daugava, leg. A. Bukejs and M. Balalaikins), Daugavpils 9.05.1998 (3, leg. A. Barševskis), 17.06.2009

(1, bank of River Daugava, on *Salix*, leg. M. Balalaikins), 16.06.2005 (1, leg. A. Barševskis), near Mežciems, 1.06.2008 (1, bank of River Daugava, leg. A. Bukejs), 3 km from Daugavpils, 27.05.2009 (2, inland dunes, leg. A. Bukejs), Dviete, 3.06.2007 (6, leg. A. Barševskis), 12.05.2009 (2, near River Berezovka A. Pankjāns and M. Nitcis), Daugavas Loki NPT, Elerne, 5.2002 (1, leg. A. Barševskis), 16.06.2002 (1, leg. A. Barševskis), 24.05.2007 (2, leg. A. Pankjāns), 19.06.2009 (1, bank of River Daugava, leg. M. Nitcis), Elerne, Muravki house, 26.06.2005 (2, leg. A. Barševskis and K. Barševska), 24.05.2007 (2, leg. U. Valainis), Ilgas, Silene NPT, 29.05.1996 (1, leg. A. Barševskis), 7.07.1997 (1, leg. A. Barševskis), 25.05.1997 (3, leg. A. Barševskis), 18.06.1997 (1, leg. A. Barševskis), 05-07.2000 (1, leg. I. Pavārnieka), 06-07.2000 (1 ex.), 14.06.2001 (1, leg. G. Lociks), 16.06.2001 (1, leg. I. Valpētere), 6-15.06.2004 (21, leg. A. Barševskis), 05-07.2000 (1 ex.), 5-9.06.2006 (1, leg. E. Kalane), 5.06.-3.07.2006 (1, leg. A. Bistrova), 5.06.-6.07.2006 (1, leg. O. Kuzmina), 5.06.-6.07.2006 (1, leg. N. Načila), 5.06.-7.07.2006 (1, leg. R. Miznikova), 05-10.2006 (1 ex.), 5.06.-4.07.2007 (1, leg. I. Grigorjeva), 9.06.2008 (1, leg. A. Barševskis and A. Soldāns), 17-20.06.2008 (1 ex.), 17-20.06.2008 (1, ex.), Lielborne, 21.05.2008 (28, near River Borne, leg. A. Pankjāns), Līksna p., near Mežciems vill. 15.06.2006 (4, leg. A. Barševskis), 17.05.2008 (1, pine forest edge, leg. A. Bukejs), 28.06.2009 (1, inland dunes, leg. A. Bukejs), Daugavas Loki NPT, Naujene, 23.05.2008 (1, leg. A. Pankjāns), Stropi, 14.05.2009 (1, leg. A. Bukejs), 23.06.2009 (8, leg. A. Bukejs); Dobele d.: Auce, 28.05.2000 (1, leg. J. Gailis); Jēkabpils d.: Dunava, 23.05.1993 (4, leg. A. Barševskis), 27.05.1995 (1, leg. A. Barševskis), 12.07.1997 (1, leg. A. Barševskis), 22-23.06.1998 (1, leg. A. Barševskis), 1.06.2002 (8, leg. A. Barševskis), 3.06.2007 (11, leg. A. Barševskis), 10-19.06.2007 (2, leg. A. Barševskis), 18.05.2008 (1, Dviete forest, leg. A. Barševskis), 1.06.2008 (15, leg. A. Barševskis), 25.06.2008 (4, clearing, leg. A. Barševskis), 2.07.2008 (1, leg. A. Barševskis), 31.05.2009 (1, leg. A. Barševskis), 15-18.07.2009 (5, leg. A. Barševskis), Rubene 4.06.1999 (1, leg. I. Leiskina), 6.06.1999 (1,

leg. I. Leiskina), 5.06.2000 (1, leg. I. Leiskina), 15.06.2000 (1, leg. I. Leiskina), 28.06.2000 (1, leg. I. Leiskina), Vandāni, 14.06.2009 (9, bank of River Daugava, on *Salix*, leg. M. Balalaikins), 26.06.2009 (1, bank of River Daugava, on *Salix*, leg. M. Balalaikins); Jelgava d.: Jelgava, 15.06.2008 (13, near Rīga-Šiauliai road, leg. A. Barševskis and R. Orlovskis); Krāslava d.: Daugavas Loki NPT, Ūdrīši, Zapoļniki house, 12.06.2005 (4, leg. M. Janovska), 9.06.2007 (1, leg. M. Janovska), 8-10.05.2009 (1, leg. M. Janovska), 27-28.06.2009 (1, leg. M. Janovska), 07.2009 (1, leg. M. Janovska), Piedruja 05.1993 (1, A. Barševskis); Ludza d.: Bļāši, 23.06.2009 (1, leg. M. Balalaikins); Madona d.: Meirāni 15.06.2006 (1 ex.); Ogre d.: Dzelmēs, 12.06.2009 (4, leg. A. Barševskis); Ogre, 8.06.1941 (1 ex., on *Betula*), Pārogre, 4.06.1941 (2 ex., on *Populus*); Preiļi d.: Jersika, Kurpnieki house, 4.06.2006 (1, leg. K. Barševska), 23-24.6.2006 (4, leg. A. Barševskis and K. Barševska), 30.05.2008 (6, leg. A. Barševskis), 31.05.2008 (6, leg. A. Barševskis), 6.06.2008 (1, leg. A. Barševskis), 13.06.2008 (1, leg. A. Barševskis), 24.05.2009 (1, leg. A. Barševskis, K. Barševska), 30.05.2009 (3, leg. A. Barševskis), 14.06.2009 (1, leg. A. Barševskis, K. Barševska), 22-24.06.2009 (9, leg. A. Barševskis), 3.07.2009 (1, leg. A. Barševskis), Līvāni, 14.06.2009 (4, River Daugava bank, on *Salix*, leg. M. Balalaikins), Pelēči, 20.06.1997 (1, leg. I. Jurkjāne), 29.06.1997 (1, leg. I. Jurkjāne); Rēzekne d.: 5 km N lake Lubāns (2, leg. M. Balalaikins); Rīga d.: Babīte, 13.06.1969 (1 ex., on *Betula*), 13.06.1969 (1 ex., on *Alnus*), Baloži, 7.06.1939 (1, leg. M. Stiprais), Garupe 28.06.1974 (1 ex., cultivated grassland), 11.06.1976 (8, leg. M. Stiprais), 12.06.1976 (1, leg. Dmitrievs), 15.06.1976 (1, leg. S. Burlakovs), 18.06.1976 (1, leg. Dmitrievs), 9.06.1977 (11, leg. M. Stiprais), Inčupe 14.06.1974 (1 ex., meadow), 14.06.1974 (2, ex., slopes meadow), Līgatne 11.06.1974 (2, leg. L. Danka), Sigulda, 27.05.1969 (2 ex.), 29.05.1969 (2 ex.), 6.06.1969 (1 ex.), 12.06.1969 (5 ex.), Silciems 16.06.1940 (2, leg. M. Stiprais); Saldus d.: Reņģe, 17.05.1932 (1, leg. J. Muskars), 13.05.1934 (1, leg. J. Muskars), 18.05.1934 (1, leg. J. Muskars), 20.05.1934 (1, leg. J. Muskars), 21.05.1934 (1, leg. J. Muskars); Tukums d.: Kandava, 1.07.1940

(1, leg. M. Stiprais), 29.06.2006 (1, near River Abava, leg. A. Barševskis).

Host plants: Polyphagous: *Alnus*, *Betula* (Betulaceae); *Corylus* (Corylaceae); *Fagus*, *Quercus* (Fagaceae); *Fragaria*, *Malus*, *Rosa*, *Sorbus* (Rosaceae); *Populus*, *Salix* (Salicaceae); *Tilia* (Tiliaceae).

Phenology: V-VII.

General distribution: Europe, Siberia. [SIE].

Note: A very common species in Latvia.

Subgenus *Metaphyllobius* Smirnov 1913

Ph. (Metaphyllobius) glaucus (Scopoli, 1763)
= *calcaratus* (Fabricius, 1792)

References: Seidlitz 1872-1875 (*calcaratus*), 1887-1891 (*calcaratus*); Ulanowski 1884; Rathlef 1905; Lindberg 1932; Priedītis 1958 (*calcaratus*); Barševskis 1993 (*calcaratus*), 1997 (*calcaratus*) 2001 (*calcaratus*); Telnov *et al.* 1997 (*calcaratus*); Telnov 2004 (*calcaratus*); Kalniņš *et al.* 2007 (*calcaratus*); Bukejs 2011.

Examined material: 97 specimens: Aizkraukle d.: Zalve, 31.05.1962 (3, leg. G. Ozols); Cēsis d.: Dzērbene, 3.07.2006 (1, leg. A. Barševskis, U. Valainis and A. Pankjāns), Līgatne, 11.06.1974 (2, leg. L. Danka), Vaive 21.05.1996 (1, leg. R. Cibulskis), Vecpiebalga, 28.05.2001 (1, leg. J. Gailis); Daugavpils d.: Daugavpils, Ruģeļi, 9.06.2007 (2, leg. V. Krone), near Mežciems, 1.06.2008 (1, bank of river Daugava, leg. A. Bukejs), Bebrene 15.06.2006 (1 ex.), Daugavas Loki NPT, Elerne, Muravki house, 24.05.2007 (1, leg. U. Valainis), 18.06.1993 (1, leg. A. Barševskis), Daugavas Loki NPT, Juzefova, 1,3 km S Naujene, Jezupovas park, 9.05.2008 (1, glen, broad leaved forest, U. Valainis), 9.05.2008 (1, leg. R. Cibulskis), Daugavas Loki NPT, Slutišķi, 7,8 km SE Biķernieki, 9.05.2008 (1, near River Daugava, leg. R. Cibulskis), Daugavas Loki NPT, Vecpils, 2,8 km S Naujene, 1,5 km SW Vecpils, 9.05.2008 (1, River Daugava valley, broad leaved forest and meadowy with glens, U. Valainis), Daugavas Loki Nature Park, Vecpils, 2,8 km S Naujene, 1,5 km SW Vecpils, 9.05.2008 (4, leg. R. Cibulskis), Lielborne, 21.05.2008 (1, near River Borne, leg. A. Pankjāns), Pilskalne, NPT Pilskalnes Siguldiņa, 5.05.2008 (1, leg. A. Barševskis), Stropi, 14.05.2009 (8, leg.

A. Bukejs), 23.06.2009 (3, leg. A. Bukejs), Šedere, Straumēni house, 27.05.2007 (1, leg. M. Janovska), 18-20.2007 (1, leg. M. Janovska), Vabole, 1993 (1 ex.), Vecsaliena, River Mārkalne, Lejzemnieki house, 21.05.2008 (11, leg. A. Pankjāns); Jēkabpils d.: Dunava, 1.06.2002 (4, leg. A. Barševskis), 3.06.2007 (1, leg. A. Barševskis), 1.06.2008 (3, leg. A. Barševskis), Trepe, 1.06.1990 (1, leg. A. Barševskis); Jelgava d.: Dalbe, 21.06.1941 (3, forest, leg. M. Stiprais); Krāslava d.: Izvalta, Saltupe forest, 14.06.1989 (1, leg. A. Barševskis), Šķeltiņi, Barševski house, 1.06.1985 (1, leg. A. Barševskis), 3.06.2008 (3, leg. A. Barševskis), Daugavas Loki NPT, Misjūni, 2,3 km SW Tartaks, 9.05.2008 (1, River Daugava valley, glens meadowy, R. Cibuļskis); Limbaži d.: Mazsalaca, 29.05.1989 (1 ex.); Ludza d.: Rundēni, 10.04.2008 (1, forest edge, leg. A. Bukejs); Preiļi d.: Jersika, Kurpnieki house, 25.05.2007 (2, leg. A. Barševskis); Rīga d.: Asari, 19.06.1969 (1, leg. A. Stiprais), Carnikava, 15.06.1976 (1, leg. S. Burlakovs), Cekule, 15.06.1990 (1, forest edge, leg. D. Telnov), Kūdra, 28.05.2000 (1, leg. A. Titovs), Rīga, 25.05.1968 (3, on *Rosa*, leg. M. Stiprais), Sigulda, 12.06.1969 (1 ex.), 17.06.1969 (2 ex., birch); 14.07.1969 (1 ex., forest meadow, on *Urtica*), Silciems 30.05.1939 (1, leg. M. Stiprais); Saldus d.: Reņģe, 29.05.1932 (2, leg. J. Muskars), 16.05.1933 (1, leg. J. Muskars); Talsi d.: Slītere NP, 6.06.2002 (2, leg. A. Barševskis), 30.05.2006 (1, leg. A. Barševskis), 17.07.2007 (1, leg. A. Barševskis, U. Valainis, A. Pankjāns and A. Soldāns), 14.06.2008 (1, window trap, leg. A. Pankjāns), Slītere NP, Dāvida pļavas (meadows), 2.06.2009 (4, leg. A. Pankjāns and R. Cibuļskis), Slītere NP, Zilie Kalni, 11.06.2005 (1, leg. A. Barševskis); Tukums d.: near Tukums 26.06.2006 (1, leg. A. Barševskis).

Host plants: Polyphagous: *Acer* (Aceraceae); *Alnus*, *Betula* (Betulaceae); *Corylus* (Corylaceae); *Quercus* (Fagaceae); *Populus*, *Salix* (Salicaceae); *Epilobium* (Onagraceae); *Picea* (Pinaceae); *Fragaria*, *Padus*, *Prunus*, *Rubus*, *Sorbus* (Rosaceae); *Tilia* (Tiliaceae).

Phenology: IV(1)-VII.

General distribution: Europe to Urals, Turkey, N Africa. [WPA].

Note: A common species in Latvia.

Ph. (Metaphyllobius) jacobsoni Smirnov, 1913
Examined material: 8 specimens: Daugavpils d.: Daugavpils, Jaunforštate, 2.06.2009 (1, leg. A. Bukejs), Daugavpils, Ruģeļi 06.2006. (1, leg. V. Kokina), Ilgas, Silene NPT, 29.04. – 10.07.2000 (1, leg. L. Nikitina); Jēkabpils d.: Dunava, 1.06.2002 (2, leg. A. Barševskis), 3.06.2007 (2, leg. A. Barševskis); Rīga d.: Saulkrasti 28.06.1969 (1 ex. Dunes, forest).

Host plants: Polyphagous.

Phenology: VI.

General distribution: Europe, W Kazakhstan [TUE].

Note: A new species for the Latvian fauna. This species was mistakenly reduced to a synonym of *Phyllobius maculatus* Tournier, 1880 in Yunakov and Korotyaev (2007) (N.N. Yunakov pers. comm.). *Ph. jacobsoni* also is known in Lithuania and Poland as *Ph. fessus* Boheman, 1843 (Wanat 2005) (N.N. Yunakov pers. comm.).

Ph. (Metaphyllobius) pomaceus Gyllenhal, 1834
 =*urticae* (De Geer, 1775 nec Scopoli, 1763)

References: Seidlitz 1887-1891 (*urticae*); Rathlef 1905 (*urticae*); Priedītis 1958; Ozols 1963; Priedītis 1979; Milander and Varzinska; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Petrova *et al.* 2000, 2005, 2006; Telnov 2004; Kalniņš *et al.* 2007.

Examined material: 264 specimens: Aizkraukle d.: Koknese, 19.06.1944 (1, leg. A. Strand), Skrīveri, 20.06.2006 (2, near River Daugava, leg. A. Barševskis), 21.06.2006 (8, leg. A. Barševskis), 21.06.2006 (1, leg. M. Nitcis); Balvi d.: Balvi, 11.07.1956 (1, lake shore, on *Urtica dioica*, leg. Z. Spuris); Daugavpils d.: Bebrene, NPT Dvietes paliene (floodland), 14.06.2006 (1, leg. E. Rudāns), 23.06.2006 (1, leg. E. Rudāns), 15.07.2006 (1, leg. E. Rudāns), Eglaine, 2.06.1993 (2, leg. A. Barševskis), Daugavas Loki NPT, Elerne, Muravki house, 24.05.2007 (1, leg. U. Valainis), Elerne, 19.06.2009 (1, bank of River Daugava, leg. M. Nitcis), 19.06.2009 (1, bank of River Daugava, leg. R. Cibuļskis), Lielborne, 21.05.2008 (1, near River Borne, leg. A. Pankjāns), Nīcgale, 26.06.1996 (2, leg. R. Cibuļskis), Ilgas, Silene NPT, 6.06.1989 (4, leg.

- A. Barševskis), 1.07.1989 (1, leg. A. Barševskis), 2.07.1992 (1, leg. A. Barševskis), 4.07.1992 (1, leg. A. Barševskis), 16.06.1993 (1, leg. A. Barševskis), 18.06.1993 (1, leg. A. Barševskis), 23.06.1993 (1, leg. A. Barševskis), 3.05.1996 (1, leg. A. Barševskis), 29.04.-10.07.2000 (1, leg. A. Rutka), 6.06.2000 (1, forest edge, leg. A. Barševskis), 05.-07.2000 (1 ex.), 05.-07.2000 (1 ex.), 15.06.2001 (2, leg. G. Lociks), 6-15.06.2004 (8, leg. A. Barševskis), 30.06.2005 (1, leg. A. Barševskis), 11.06.2007 (1, leg. A. Barševskis), 17-20.06.2008 (10, leg. J. Staškeviča and V. Krone), 1-04.07.2008 (1, leg. R. Cibulskis), Šedere, 1.06.2008 (4, leg. K. Aksjuta), Vabole, 1993 (2, leg. M. Jukšs), Višķi, 11.06.1989 (4, leg. A. Barševskis), 7.06.1990 (1, leg. A. Barševskis), Vecsaliena, River Mārkalne, Lejzemnieki house, 21.05.2008 (5, leg. A. Pankjāns); Gulbene d.: Tirza, 25.06.1974 (1 ex.); Jēkabpils d.: Dunava, 23.05.1993 (2, leg. A. Barševskis), 23.06.1993 (1, leg. A. Barševskis), 4.06.1995 (2, leg. A. Barševskis), 15.06.2002 (1, leg. A. Barševskis), 3.06.2007 (1, leg. A. Barševskis), 2-5.06.2007 (18, leg. K. Barševska), 6-9.06.2007 (10, leg. K. Barševska), 10-19.06.2007 (15, leg. K. Barševska), 16-21.06.2007 (1, leg. K. Barševska), 23-30.06.2007 (3, leg. K. Barševska), 18.05.2008 (1, Dviete forest, leg. A. Barševskis), 4-20.06.2008 (7, leg. K. Barševska), 22.06.2008 (3, leg. A. Barševskis), 25-30.06.2008 (2, leg. K. Barševska), 29.06.2008 (4, leg. A. Barševskis), 2.07.2008 (4, leg. A. Barševskis), 1-7.06.2009 (3, leg. K. Barševska), 1-08.06.2009 (21, leg. K. Barševska), 11-22.06.2009 (1, leg. K. Barševska), 15-18.07.2009 (1, leg. A. Barševskis), Rubene 15.06.2000 (1, leg. I. Leiskina), 17.06.2000 (2, leg. I. Leiskina.), Zasa, 19.06.2000 (2, leg. I. Leiskina); Jelgava d.: Svēte, 2.06.1972 (2, meadow, leg. M. Šternbergs), Zaļenieki, 29.06.1972 (1, meadow, leg. M. Šternbergs), 16.07.1974 (1 ex.); Krāslava d.: Kombuļi, (1, park, leg. A. Barševskis), Piedruja 17.06.1989 (1, leg. A. Barševskis), Šķeltiņi, Barševski house, 3.06.2008 (3, leg. A. Barševskis); Ludza d.: Bļāši, 23.06.2009 (1, leg. M. Balalaikins); Madona d.: Ošupe, 2.5 km NE lake Lubāns, 6.07.2008 (2, wet meadow and bank of River Aiviekste); Ogre d.: Dzelmēs, 12.06.2009 (1, leg. A. Barševskis); Preiļi d.: Jersika, Kurpnieki house, 26-28.05.2006 (2, leg. K. Barševska), 4.06.2006 (4, leg. K. Barševska), 23-24.06.2006 (4, leg. A. Barševskis and K. Barševska), 25.05.2007 (1, leg. A. Barševskis), 27.05.2007 (1, leg. A. Barševskis), 29.05.2007 (1, leg. A. Barševskis and K. Barševska), 5.06.2007 (4, leg. A. Barševskis), 9-10.06.2007 (8, leg. A. Barševskis and K. Barševska), 24.05.2008 (1, leg. A. Barševskis), 30.05.2008 (2, leg. A. Barševskis), 17.06.2008 (1, leg. A. Barševskis), 23-24.06.2008 (2, leg. A. Barševskis), 14.06.2009 (1, leg. A. Barševskis), 22-24.06.2009 (2, leg. A. Barševskis); Rēzekne d.: Lake Micānu, 2.06.2009 (2, meadow, leg. M. Balalaikins); Rīga d.: Garciems, 10.06.1975 (8, leg. M. Stiprais), Inčupe 14.06.1974 (1 ex., floodland meadow), Lorupe, 28.05.1968 (1, on *Urtica*, leg. Z. Spuris), Rīga, 7.06.1973 (7, leg. M. Stiprais), Rīga, Pļavnieki, 4.06.1990 (1, leg. D. Telnov), Ropaži, 6.07.1969 (1 ex.) Sigulda, 6.06.1969 (2 ex.), 17.06.1969 (1 ex.); Saldus d.: Reņģe, 22.06.1932 (1, leg. J. Muskars); Valka d.: Strenči, 3.07.2006 (4, leg. A. Barševskis, U. Valainis and A. Pankjāns); Valmiera d.: Kauguri, 3.07.2006 (3, forest near river Gauja A. Barševskis, U. Valainis and A. Pankjāns); Ventspils d.: River Rinda precipice near River Irbe 6.06.2009 (1, leg. D. Pilāte).
- Host plants:** Polyphagous: *Alnus* (Betulaceae); *Symphytum* (*Boraginaceae*); *Cannabis* (*Cannabaceae*); *Corylus* (*Corylaceae*); *Quercus* (*Fagaceae*); *Glossularia*, *Ribes* (*Grossulariaceae*); *Vicia* (*Leguminosae*); *Crataegus*, *Filipendula*, *Fragaria*, *Malus* (*Rosaceae*); *Salix* (*Salicaceae*); *Urtica* (*Urticaceae*).
- Phenology:** V-VII.
- General distribution:** Europe, Siberia, East Asia (Russian Far East) [ASE].
- Note:** A very common species in Latvia.
- Subgenus *Parnemoicus* Schilsky, 1911
Ph. (Parnemoicus) viridicollis (Fabricius, 1792)
- References:** Seidlitz 1872-1875, 1887-1891; Rathlef 1905; Milander and Varzinska; Barševskis 1997; Telnov *et al.* 1997; Telnov 2004; Leiskina 1999; Kalniņš *et al.* 2007.
- Examined material:** 65 specimens: Daugavpils d.: Daugavpils, 16.06.2005 (22, leg. A. Barševskis), 28.05.2008 (1, under *Populus*, leg. A. Barševskis), Līksna p. 16.06.2005 (1,

leg. A. Barševskis), Līksna p. near Mežciems vill. 15.06.2006 (8, leg. A. Barševskis), Līksna p., Daugavpils beltway 2.5 km from Rīga road, 16.06.2008 (4, forest, continental dunes, leg. A. Barševskis), Ļubesti, 16.06.2005 (3, leg. U. Valainis), Mežciems, 16.06.2005 (2, leg. A. Bukejs), Vabole, 15.06.1997 (1, R. Cibulskis); Jelgava d.: Jelgava, 15.06.2008 (14, near Rīga-Šiauliai road, leg. A. Barševskis and R. Orlovskis); Rīga d.: Garupe, 18.06.1976 (2, leg. S. Burlakovs);

Liepāja d.: Liepāja, 13.06.2011 (3, leg. M. Balalajkins), Pape, 23-25.06.1994 (1, leg. N. Savenkovs); Tukums d.: Klapkalnciems, 24.06.1974 (2 ex., natural meadow);

Valka d.: Strenči, 3.07.2006 (1, leg. A. Barševskis, U. Valainis and A. Pankjāns).

Host plants: Polyphagous: *Acer* (Aceraceae); *Alnus*, *Betula* (Betulaceae); *Echium* (Boraginaceae); *Artemisia* (Compositae); *Corylus* (Corylaceae); *Alchemilla*, *Fragaria*, *Geum*, *Rosa*, *Rubus* (Rosaceae); *Quercus* (Fagaceae); *Lathyrus* (Leguminosae); *Pinus* (Pinaceae); *Populus*, *Salix* (Salicaceae).

Phenology: V-VII.

General distribution: Europe, SW Siberia. [EWS].

Note: An infrequent species in Latvia.

Subgenus *Phyllobius* s. str.

Ph. (s. str.) *arborator* (Herbst, 1797)

References: Seidlitz 1872-1875, 1887-1891; Rathlef 1905; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Kalniņš *et al.* 2007; Bukejs 2011.

Examined material: 188 specimens: Bauska d.: Skaistkalne, 19.06.2009 (7, leg. A. Barševskis); Cēsu d.: Taurenes p. Brežģa kalns, 03.07.2006 (14, leg. A. Barševskis, U. Valainis and A. Pankjāns), Dzērbene 03.07.2006 (1, leg. A. Barševskis, U. Valainis and A. Pankjāns); Daugavpils d.: Bebrene, NPT Dvietes paliene (floodland), 25.06.2006 (4, leg. E. Rudāns), Butišķi, 01.07.2009 (2, River Daugava valley, leg. A. Bukejs, M. Balalajkins), Daugavpils, 05.07.2009 (1, leg. A. Barševskis), Dubna, Lielie Stradišķi house, 08.07.2006 (6, leg. A. Pankjāns), Dviete, 22.06.2008 (2, forest near Kinkauskū mire leg. A. Barševskis), 20.07.2008 (1, forest

between Dviete and Tadenava, clearing, leg. A. Barševskis), Elerne, 19.06.2009 (1, pine forest clearing, leg. M. Nitcis), Ilgas, Silene NPT, 06.06.1989 (1, leg. A. Barševskis), 01.07.1989 (3, leg. A. Barševskis), 03.07.1989 (1, leg. A. Barševskis), 01.06.1992 (1, leg. A. Barševskis), 05.07.1992 (1, leg. A. Barševskis), 07.07.1992 (2, leg. A. Barševskis), 16.06.1993 (9, leg. A. Barševskis), 20.06.1993 (2, leg. A. Barševskis), 29.04.-10.07.2000 (2, leg. L. Niķitina), 05-07.2000 (1, leg. I. Pavārnieka), 06-07.2000 (4 ex.), 6.06.2001 (1, leg. G. Lociks), 8.06.2001 (1, leg. G. Lociks), 13.06.2001 (1, leg. G. Lociks), 06.2002 (1, leg. U. Valainis), 2-10.07.2004 (7, leg. A. Barševskis), 28-30.06.2004 (1, leg. A. Barševskis), 30.06.2005 (5, leg. A. Barševskis), 08.07.2005 (1, leg. A. Barševskis), 5.06.-3.07.2006 (1 ex.), 11.06.2007 (2, leg. U. Valainis), 30.06.2007 (1, leg. A. Pankjāns), 09.06.2008 (2, leg. A. Barševskis, A. Soldāns), 17-20.06.2008 (1 ex.), 17-20.06.2008 (2 ex.), 29.06.-03.07.2008 (3, leg. R. Cibulskis), 01.07.2008 (2 ex.), 01-03.07.2008 (1 ex.), 02.07.2008 (1 ex.), 27.06.2009 (1, leg. A. Barševskis), Līksna, 3.5 km E from Daugavpils beltway 08.06.2008 (1, leg. A. Barševskis); Līksna, Daugavpils beltway 2.5 km from Rīga road, 16.06.2008 (3, forest on continental dunes, leg. A. Barševskis), 08.06.2008, (1, clearing leg. A. Barševskis), Ļubesti, 16.06.2005 (11, leg. U. Valainis), Mežciems, 19.07.1992 (1, leg. A. Barševskis), Naujene, Daugavas Loki NPT, 25.06.2008 (1 ex.), Silene 3.07.1992 (1, leg. A. Barševskis), Svete, 21.07.1992 (2, leg. A. Barševskis), Višķi, 11.06.1989 (2, leg. A. Barševskis); Jēkabpils d.: Asare, 5.07.2000 (1, leg. I. Leiskina), Dunava, 23.06.1993 (1, leg. A. Barševskis), 22-23.06.1998 (1, leg. A. Barševskis), 24.06.2000 (1, leg. I. Leiskina), 09.07.2000 (1, leg. I. Leiskina), 29.06.2008 (4, pine forest clearing, leg. A. Barševskis), Dunava, Tadenava, 29.06.2008 (4, clearing leg. A. Barševskis), 7.06.2009 (1, forest, leg. A. Barševskis), Rubene, 25.06.1999 (1, leg. I. Leiskina), Zasa, 20.06.1992 (1, leg. A. Barševskis); Jelgava d.: Jelgava, 15.06.2008 (9, near Rīga-Šiauliai road, leg. A. Barševskis and R. Orlovskis); Krāslava d.: Krāslava 23-25.06.2005 (2, leg. M. Janovska), Krāslava, River Daugava valley, 22.06.89 (1, leg. A.

Barševskis), Šķeltova, Barševski house, 7.2009 (1, leg. A. Barševskis), Daugavas Loki NPT, Ūdrīši, Zapoļniki house, 12.06.2005 (2, leg. M. Janovska), 27-28.06.2009 (3, leg. M. Janovska); Madona d.: Gaiziņkalns Nature park 07.07.2006 (1, leg. A. Barševskis, E. Rudāns, A. Pankjāns), Krustkalni NPT, 11.08.2005 (1, leg. A. Bukejs and A. Barševskis), Jumurda, 19.07.2008 (1, near Lake Lācišu, leg. A. Barševskis), Mārciena, near River Arona 7.07.2006 (1, leg. A. Barševskis and A. Pankjāns); Ogre d.: Ķegums, 13.07.2006 (1, bank of River Daugava, leg. A. Barševskis and K. Barševska); Preiļi d.: Jersika, Kurpnieki house, 24.06.2005 (2, leg. A. Barševskis), Pelēči, 29.06.1997 (1, leg. I. Jurkjāne), 19.07.1997 (1, leg. I. Jurkjāne); Rēzekne d.: Gaigalava, 15.07.2009 (1, old clearing, leg. M. Balalaikins and A. Bukejs), Lake Mīcānu, 2.06.2009 (1, meadow, leg. M. Balalaikins), Lake Rušons 7.07.2009 (1, meadow, leg. M. Balalaikins); Rīga d.: Bajāri, 28.06.2008 (4, clearing, leg. A. Barševskis), Jūrmala, Dzintari, 24.06.2009 (4, leg. R. Cibulskis), Lorupe, 15.06.1968 (1, on *Corylus avellana*, Z. Spuris), Rīga, Purvciems, 9-10.07.2008 (1, leg. A. Barševskis), (1, Sigulda, 12.06.1969 (2 ex.); Saldus d.: Saldus, bank of River Ciecere, 13.07.2006 (5, leg. A. Barševskis and K. Barševska); Talsi d.: Ances meži un purvi (forests and swamps) NPT, 27.06.2006 (3, leg. U. Valainis); Tukums d.: Ķemeri NP, 26.06.2006 (1, A. Barševskis, U. Valainis, A. Pankjāns), near Tukums 26.06.2006 (1, leg. A. Barševskis), Lejasciems, Ķemeri Nacional park, 16.07.2008 (3, A. Barševskis); Valka d.: Seda, Sedas bog, 3.07.2006 (4, leg. A. Barševskis, U. Valainis and A. Pankjāns); Strenči, 3.07.2006 (1, leg. A. Barševskis, U. Valainis and A. Pankjāns).

Host plants: Polyphagous: *Alnus*, *Betula* (Betulaceae); *Corylus* (Corylaceae); *Fagus*, *Quercus* (Fagaceae); *Picea*, *Pinus* (Pinaceae); *Cerasus*, *Fragaria*, *Malus*, *Rosa*, *Rubus*, *Sorbus* (Rosaceae); *Populus*, *Salix* (Salicaceae); *Tilia* (Tiliaceae); *Ulmus* (Ulmaceae).

Phenology: VI-VIII.

General distribution: Europe. [EUR].

Note: A very common species in Latvia.

Ph. (s. str.) *betulinus* (Bechstein & Scharfenberg, 1805)

=*betulae* (Fabricius, 1801 nec

Linnaeus, 1758)

References: Rathlef 1905; Brammanis 1930; Barševskis 1997 (misidentification), 2002; Telnov 2004.

Host plants: Polyphagous: *Crataegus*, *Prunus*, *Rosa* (Rosaceae).

Localities: Rīga d.: Inčukalns.

Phenology: VII.

General distribution: Central and South Europe [EUR].

Note: The previous report of this species from Daugavpils district: Silene NP (Barševskis 1997) was based on misidentification. Occurrence of this species in Latvia is doubtful.

Ph. (s. str.) *pyri* (Linnaeus, 1758)

References: Groschke 1805 (*Curculio*); Seidlitz 1872-1875, 1887-1891; Ulanowski 1884; Rathlef 1905; Lindberg 1932; Priedītis 1958, 1979; Rupais 1962, 1999; Ozols 1963; Milander and Varzinska 1979; Varzinska and Milander 1981; Barševskis 1993, 1997, 2002; Telnov *et al.* 1997; Telnov 2004; Kalniņš *et al.* 2007; Bukejs 2011.

Examined material: 138 specimens: Aizkraukle d.: Skrīveri, 21.06.2006 (2, leg. A. Barševskis); Daugavpils d.: Bebrene, 6.05.2006 (1, leg. E. Rudāns), 15.06.2006 (1, leg. E. Rudāns), 25.06.2006 (1, leg. E. Rudāns), Butišķi, 26.05.2008 (1, valley of River Daugava, leg. A. Bukejs), 1.07.2009 (1, valley of River Daugava, leg. A. Bukejs and M. Balalaikins), 2-3 km N Daugavpils, 4.05.2008 (2, leg. A. Bukejs), 27.05.2009 (2, inland dunes, leg. A. Bukejs), 3.09.2009 (1, inland dunes, leg. A. Bukejs), Daugavpils SE env., 2 km SE Apse 6.05.2009 (1, bank of Daugava River, on *Salix*, leg. A. Bukejs), Daugavpils 9.05.1998 (3, leg. A. Barševskis), 11.06.2006 (1, leg. A. Pankjāns), 13.05.2007 (2, leg. K. Barševska, A. Barševskis), 21.04.2008 (1, pine forest, leg. U. Valainis), Daugavas loki NPT, 2,8 km S Naujene, 1,5 km SW Vecpils, 9.05.2008 (9, River Daugava valley, broad leaved forest and meadows with glens, leg. U. Valainis), Eglaine, 2.06.1993 (1, leg. A. Barševskis), Elerne, 24.05.2007 (1, leg. A. Barševskis), 19.06.2009 (2, bank of Daugava River, leg. M. Nitcis), Ilgas, Silene NPT, 05 –

- 07.2000 (2, leg. I. Pavārnieka), 06 – 07.2000 (5, leg. I. Haka and G. Hlebnaja), 6-15.06.2004 (4, leg. A. Barševskis), 18.05.2005 (15, leg. A. Barševskis), 10.05.2006 (4, leg. A. Barševskis), 5-10.06.2006 (1, leg. M. Verdenfelde), 9.06.2008 (1, leg. A. Barševskis, A. Soldāns), Lielborne, 21.05.2008 (5, near River Borne, leg. A. Pankjāns), Līkna 11.05.1997 (1, leg. R. Cibulskis), Ļubesti, 17.05.2007 (1, leg. A. Barševskis, K. Barševska), 1.3 km S Naujene, Jezupova, NPT Daugavas Loki 9.05.2008 (1, leg. R. Cibulskis), Naujene, Daugavas Loki NPT, 29.04.2008 (2, Daugava River valley, leg. A. Pankjāns, U. Valainis), Slutišķi, 14.06.1989 (1, leg. A. Barševskis), Stropi, 4.05.2009 (1, leg. A. Bukejs), 23.06.2009 (10, leg. A. Bukejs), Šedere, Straumēni house, 27.05.2007 (1, leg. M. Janovska), 1-3.05.2008 (3, leg. M. Janovska), Vabole, 15.06.1997 (3, leg. R. Cibulskis), Vecsaliena, River Mārkalne, Lejzemnieki house, 21.05.2008 (2, leg. A. Pankjāns); Jēkabpils d.: Dunava, 3.06.2007 (4, leg. A. Barševskis), 1.06.2008 (1, leg. A. Barševskis), 18.05.2008 (1, leg. A. Barševskis), 1-8.06.2009 (1, leg. K. Barševska), Jēkabpils, 13.05.2006 (1, leg. K. Barševska and A. Barševskis), Rubeņi, 4.06.1999 (1, leg. I. Leiskina); Krāslava d.: Sauleskalns, 4.05.2008 (2, leg. K. Barševska and A. Barševskis), Šķeltiņi, 21.05.1994 (1, leg. A. Barševskis), 15.07.1994 (1, leg. A. Barševskis), 3.06.2008 (1, leg. A. Barševskis), Ūdrīši, Zapoļniki house, 18-19.04.2009 (1, leg. M. Janovska); Limbaži d.: Tūja env., Melnbārži 28.05.2005 (1, leg. M. Kalniņš); Ludza d.: Gāgari, 10.05.2008 (2, old clearing, leg. A. Bukejs), 16.05.2009 (10, leg. A. Bukejs), Rundēni, 10.04.2008 (2, forest edge, leg. A. Bukejs); Preiļi d.: Jersika, 22.05.2005 (1, leg. A. Barševskis), 4.05.2006 (1, leg. K. Barševska), 4.06.2006 (3, leg. K. Barševska), 20.05.2007 (1, leg. A. Barševskis) 26.05.2007 (1, leg. A. Barševskis), 5.06.2007 (1, leg. A. Barševskis), 9.05.2008 (1, leg. A. Barševskis), 1-10.05.2009 (2, leg. A. Barševskis, K. Barševska) 10.05.2009 (1, leg. A. Barševskis), Pelēči, 22.06.1997 (1, leg. I. Jurkjāne), Sutri, Znotiņi house, 20.05.2007 (1, leg. A. Soldāns); Rēzekne d.: Dricāni, Pūpoli house, 1.06.2008 (1, leg. K. Igaune); Rīga d.: Kūdra, 9.07.1997 (1, leg. A. Titovs); Ventspils d.: Moricsala NPT, 14.05.2004 (1, leg. A. Barševskis), 29.05.2006 (1, leg. A. Barševskis).
- Host plants:** Polyphagous: *Betula* (Betulaceae); *Corylus* (Corylaceae); *Trifolium* (Fabaceae); *Quercus* (Fagaceae); *Malus*, *Padus*, *Pyrus*, *Rosa*, *Rubus* (Rosaceae); *Populus*, *Salix*, (Salicaceae).
- Phenology: V-VII.
- General distribution:** Europe, S Siberia to Lake Baikal, Western Asia, Central Asia (Iran, Kazakhstan), East Asia (Russian Far East) [ASE].
- Note:** A common species in Latvia. Forestry pest (Ozols 1963).
- Ph.* (s. str.) *vespertinus* (Fabricius, 1792)
= *mali* (Paykull, 1792)
- References:** Barševskis 1997; Telnov *et al.* 1997, 2002; Telnov 2004; Kalniņš *et al.* 2007.
- Examined material:** 32 specimens: Daugavpils d.: Bebrene, 6.05.2006 (2, leg. E. Rudāns), 13.05.2006 (1, leg. E. Rudāns), Daugavpils beltway, between Križi and Ļubesti, 8.06.2001 (1, leg. A. Barševskis), Elerne, Muravki house, 16.06.2002 (2, leg. A. Barševskis), Ilgas, Silene NPT, 9.05.2006 (1, leg. A. Barševskis), Stropi, 4.05.2009 (1, leg. A. Bukejs), 23.06.2009 (2, leg. A. Bukejs), Šedere, Šarlote, 11.05.2008 (2, leg. K. Aksjuta), 8.05.2009 (1, leg. K. Aksjuta), Šedere, Straumēni house, 10-11.05.2008 (1, leg. M. Janovska) Vabole, 1993 (1, leg. M. Jukšs); Jēkabpils d.: Dunava, 1.06.2002 (3, leg. A. Barševskis), 1.06.2008 (1, leg. A. Barševskis), Jēkabpils, 13.05.2006 (1, leg. K. Barševska and A. Barševskis) Rubeņi, 23.04.2000 (1, leg. I. Leiskina); Preiļi d.: Jersika, Kurpnieki house, 26-28.05.2006 (2, leg. K. Barševska), 4.06.2006 (1, leg. K. Barševska), 20.05.2007 (2, leg. A. Barševskis), 25.05.2007 (1, leg. A. Barševskis), 26.05.2007 (1, leg. A. Barševskis), 27.05.2007 (1, leg. A. Barševskis), 14.06.2009 (1, leg. A. Barševskis, K. Barševska); Rīga d.: Cekule env., 17.05.2008 (1, leg. D. Telnov), Kūdra, 6.06.1997 (1, leg. A. Titovs).
- Host plants:** Polyphagous: *Betula* (Betulaceae), *Achillea*, *Artemisia*, *Tussilago* (Compositae), *Lathyrus* (Fabaceae), *Dactylis* (Gramineae), *Crataegus*, *Fragaria*, *Potentilla*, *Prunus*

(Rosaceae), *Galium* (Rubiaceae), *Populus* (Salicaceae), *Ulmus* (Ulmaceae), *Aegopodium* (Umbelliferae).

Phenology: V-VI.

General distribution: Europe [EUR].

Note: An infrequent species in Latvia. *Phyllobius vespertinus* and *Ph. pyri* are very similar and variable species, therefore difficult to determinate. Taxonomical status of *Ph. vespertinus* is not clear; some authors considered that specimens belongs to this taxon are aberrant specimens of *Ph. pyri* (N.N. Yunakov pers. comm.).

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