

TO THE KNOWLEDGE OF FLEA BEETLES (COLEOPTERA: CHRYSOMELIDAE: ALTICINAE) OF THE LATVIAN FAUNA. 4. GENUS *APHTHONA* CHEVROLAT, 1836

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Abstract. Faunal data on six species of the genus *Aphthona* Chevrolat, 1836 are presented. A total of 259 specimens of this genus were reviewed. *A. atrocaerulea* (Stephens, 1831) in Latvia is reported for the first time. Bibliographic information on flea beetles of the given genus in Latvia is summarised for the first time. One species, *A. cyparissiae* (Koch, 1803), is deleted from the list of Latvian Coleoptera. The annotated list of Latvian *Aphthona* is given, including 10 species.

Key words: Coleoptera, Chrysomelidae, Alticinae, *Aphthona*, Latvia, fauna

INTRODUCTION

This article continues the study on flea beetles of the Latvian fauna (Bukejs 2008a, b, 2009).

There are 135 species and 11 subspecies of the genus *Aphthona* Chevrolat, 1836 known from the Palaearctic region (Gruev & Döberl 1997). Of them, 30 species are known from eastern (Bieńkowski 2004) and 12 species from northern Europe (Silfverberg 2004).

Hitherto, the second edition of the check-list of Latvian beetles (Telnov 2004) has presented nine species of *Aphthona* Chevrolat, 1836, whereas four species (*A. aeneomicans* Allard, 1875, *A. nigriceps* Redtenbacher, 1842, *A. flaviceps* Allard, 1859 and *A. gracilis* Faldermann, 1837) have been deleted. In adjacent territories, the number of recorded species from this genus slightly varies: Belarus accounts for 11 species (Lopatin & Nesterova 2005), Estonia for seven, Lithuania for 10 (Silfverberg 2004), whereas St. Petersburg and the Leningrad region (western Russia) for four species (Romantsov 2007).

The first information on flea beetles of the genus *Aphthona* Chevrolat, 1836 in Latvia was published at the beginning of the 19th century (Fleischer 1829). Subsequently, more than 25 works have been published. Pūtele (1970b, c) provided information on 10 species of *Aphthona* Chevrolat, 1836 in Latvia. Faunal data can also be found in the following articles: Palij 1958; Pūtele 1968, 1970a, 1974, 1981a, b; Priedītis & Pūtele 1976; Barševskis 1993; Bukejs & Telnov 2007. The most recent lists of Latvian *Aphthona* Chevrolat, 1836 can be found in the published catalogues of Latvian Coleoptera (Telnov *et al.* 1997; Telnov 2004).

The imagoes of the genus *Aphthona* Chevrolat, 1836

feed on leaves of herbaceous plants: mostly on Euphorbiaceae (*Euphorbia*), Geraniaceae (*Geranium*, *Erodium*), Linaceae (*Linum*); rarely on Lythraceae (*Lythrum salicaria*), Cyperaceae (*Carex*), Juncaceae (*Juncus*), Iridaceae (*Iris pseudacorus*) and Marchantiaceae (*Marchantia*). Larvae occur in leaf axils or in soil on roots (Bieńkowski 2004).

Some species of the genus *Aphthona* Chevrolat, 1836 are pests of cultivated plants (Kryzhanovskiy 1974). In Latvia, *A. euphorbiae* (Schrank, 1781) is reported as the pest of the flax *Linum* (Trauberga 1957; Palij 1958; Pūtele 1958, 1970c, 1975; Šmits & Spuris 1966; Ozols 1963).

The aim of the current work is to summarise data on the genus *Aphthona* Chevrolat, 1836 in Latvia. The bibliographic information on this flea beetle genus in Latvia is summarised for the first time. New faunal data on 6 species are presented. One species, *A. cyparissiae* (Koch, 1803), is deleted from the list of Latvian Coleoptera. *A. atrocaerulea* (Stephens, 1831) in Latvia is reported for the first time. The article also presents the annotated list of Latvian species. Altogether, 10 species of *Aphthona* Chevrolat, 1836 are reported for Latvia.

MATERIAL AND METHODS

Two hundred and fifty nine specimens of flea beetles were reviewed in this investigation, representing six species of the genus *Aphthona* Chevrolat, 1836. The reviewed material is stored in the collection of the Daugavpils University Institute of Systematic Biology (DUBC).

The following identification keys were used for iden-

tification of specimens: Bienkowski 2004; Lopatin & Nesterova 2005; Mohr 1966; Warchałowski 2003. We follow the systematics suggested by Silfverberg (2004). The Catalogue of Palaearctic Flea Beetles (Gruev & Döberl 1997) was used for nomenclature and synonymy.

Host plants are listed citing the monograph of Lopatin and Nesterova (2005). The general distribution of species is given according to Bienkowski (2004), Borowiec (2004), Hayashi *et al.* (1984); Lopatin (1977, 1986); Lopatin and Kulenova (1986); Lopatin and Nesterova (2005); Medvedev (1992); Medvedev and Dubeshko (1992); and Warchałowski (2003).

Classification of chorotypes follows as suggested by Taglianti *et al.* (1999). The transcript of chorotypes codes: ASE – Asiatic-European, CEM – Centralasiatic-European-Mediterranean, EUM – Europeo-Mediterranean, EUR – European, PAL – Palaearctic, SIE – Sibero-European, TEM – Turano-European-Mediterranean, TUE – Turano-European.

The following information is given for each species: scientific name and author, published bibliographic sources for Latvia, faunal data (locality, collecting date, number of collected specimens in oval brackets, information on the habitat and the collector's name), host plants, general distribution of species and the chorotype code.

Species marked with dashes (-) were previously recorded for the Latvian fauna, but in fact appear to be absent from Latvia and the entire Baltic region, and it is doubtful whether they ever occurred here (earlier records were probably based on misidentifications or misinterpretations). These species are herewith excluded from the list of Latvian Coleoptera.

Explanations of the abbreviations used: d. – administrative district (system of administrative districts used in Latvia from 1991 to 2008), env. – environs, syn. – synonym, S – South, N – North, E – East, W – West.

The photographs were taken using a *Zeiss Stereo Discovery V12* stereomicroscope and an *AxioCam* digital camera.

RESULTS AND DISCUSSION

During the current research, the occurrence of six species of *Aphthona* Chevrolat, 1836 was confirmed for Latvia. *A. atrocaerulea* (Stephens, 1831) in Latvia is reported for the first time.

A. venustula (Kutschera, 1861) was reported for the Latvian fauna in some publications (Tomsons 1940; Pūtele 1970a, b, c), but was not included in previous catalogues of Latvian beetles (Telnov *et al.* 1997; Telnov 2004).

Four species, *A. abdominalis* (Duftschmid, 1825), *A. erichsoni* (Zetterstedt, 1838), *A. pygmaea* (Kutschera, 1861) and *A. venustula* (Kutschera, 1861), were not confirmed during this research. These species are known only from a few localities in Latvia (Mikutowicz 1905; Palij 1958; Pūtele 1970c, 1974, 1981a, b; Spunģis 2008) and their occurrence (except of *A. erichsoni* (Zetterstedt, 1838) in the Latvian fauna needs confirmation.

A. gracilis Faldermann, 1837 and *A. aeneomicans* Allard, 1875 are been deleted in the second edition of the check-list of Latvian Coleoptera (Telnov 2004). *A. gracilis* Faldermann, 1837 is generally distributed in Romania, Moldova, Ukraine, Caucasus, Asia Minor (Turkey), Near East (Israel), Iraq, Iran, Afghanistan, Kazakhstan, central Asia, Transbaikalia (Buriatia) and Mongolia, but *A. aeneomicans* Allard, 1875 is distributed in southern Europe (Austria, France, Germany, Italy, Poland, Slovakia, Spain) and Caucasus. Faunal data on these two flea beetle species in Latvia are absent. Their occurrence in the Latvian fauna is impossible, therefore these species are not mentioned in the current list.

One species, *A. cyparissiae* (Koch, 1803), is deleted from the list of Latvian Coleoptera. Overall, the list of Latvian species of the genus *Aphthona* Chevrolat, 1836 includes 10 species.

Analysis of the distribution of Latvian species of the genus *Aphthona* Chevrolat, 1836 reveals that the range of chorotypes is rather wide: Palaearctic – one species [*A. lutescens* (Gyllenhal, 1813)], Asiatic-European – one species [*A. abdominalis* (Duftschmid, 1825)], Sibero-European – one species [*A. erichsoni* (Zetterstedt, 1838)], Turano-European-Mediterranean – one species [*A. euphorbiae* (Schrank, 1781)], Turano-European – one species [*A. nonstriata* (Goeze, 1777)], Europeo-Mediterranean – one species [*A. pygmaea* (Kutschera, 1861)], European – four species [*A. atrocaerulea* (Stephens, 1831), *A. pallida* (Bach, 1856), *A. venustula* (Kutschera, 1861), *A. violacea* (Koch, 1803)].

List of *Aphthona* of the Latvian fauna

Chrysomelidae

Alticinae Newman, 1834

Aphthona Chevrolat, 1836

syn.: *Cerataltica* Croth, 1873; *Ectonia* Weise, 1922

(-) *A. cyparissiae* (Koch, 1803)

References: Ulanowski 1883 (*Podagrica cyparissiae* Koch); Seidlitz 1872–1875, 1887–1891; Rathlef 1905; Pūtele 1970a, b, c; Telnov *et al.* 1997; Telnov 2004.

Examined material: Not confirmed by the author.

Host plants: Euphorbiaceae (*Euphorbia cyparissias*, *E. gerardiana*, *E. peplus*).

General distribution: S, C and E Europe (northward to Poland and Ukraine), Turkey, Caucasus; introduced also to N America (Canada, USA). [EUR]

Note: In the Latvian fauna, this species has not been recorded for more than 130 years. The occurrence of the species in the Latvian fauna is doubtful. It is herewith deleted from the list of Latvian Coleoptera.

A. abdominalis (Duftschmid, 1825)

References: Palij 1958; Pūtele 1970a, b, c; Barševskis 1993 (misidentification); Telnov *et al.* 1997; Telnov 2004.

Examined material: Not confirmed by the author. Earlier record of this species, 'Jēkabpils d., Dunava, 31 October 1992, one specimen, leg. A. Barševskis' (Barševskis 1993), was based on misidentification.

Host plants: Euphorbiaceae (*Euphorbia*).

General distribution: Europe (excluding N), Asia Minor (Turkey), Caucasus, Iran, Afghanistan, Kazakhstan, Siberia, Mongolia, China, Japan, N Vietnam. [ASE]

Note: Very rare species; known from only three localities in central and northern Latvia. In Fennoscandia and the Baltic states, this species is reported from Latvia and Lithuania (Silfverberg 2004). It is also known from Belarus (Lopatin & Nesterova 2005).

A. pallida (Bach, 1856) (Figs 1, 2)

References: Palij 1958; Pūtele 1970a, b, c; Telnov *et al.* 1997; Telnov 2004.

Examined material: 12 specimens: Jēkabpils d., Dunava, 11–12 August 1998 (12, leg. A. Barševskis).

Host plants: Geraniaceae (*Geranium*, *Erodium*).

General distribution: Europe, Caucasus. [EUR]

Note: Very rare species, known from only three localities in the central part of Latvia.

(-) *A. nigriceps* (Redtenbacher, 1842)

References: Pūtele 1974; Telnov *et al.* 1997; Telnov 2004 (deleted from the list).

Host plants: Geraniaceae (*Erodium*, *Geranium*), Juncaceae (*Juncus*).

General distribution: S and W Europe, Ukraine, SE part of European Russia, N Africa, Caucasus, Asia Minor, Near East (Syria). [EUM]

Note: The nearest locality of this species is in SW Belarus (Lopatin & Nesterova 2005).

(-) *A. flaviceps* Allard, 1859

References: Barševskis 1993 (misidentification); Telnov *et al.* 1997 (deleted from the list); Telnov 2004 (deleted from the list).



Figure 1. *A. pallida* (Bach, 1856) – habitus, dorsal view.



Figure 2. *A. pallida* (Bach, 1856) – aedeagus, dorsal and lateral view.

Examined material: Earlier record of this species, 'Balvi d., Šķilbēņu parish, 3.5 km SW Rekovala, Plešava, 28 July 1992, one specimen, leg. A. Barševskis' (Barševskis 1993), was based on misidentification.

Host plants: Euphorbiaceae (*Euphorbia*), Linaceae (*Linum*).

General distribution: S and SE Europe, Crimea, N Africa, Asia Minor, Near East, Caucasus, Afghanistan, Iran, Iraq, Kazakhstan, central Asia (Turkmenia, Tadjikistan, Uzbekistan). [CEM]

Note: The occurrence of this species in the Latvian fauna is not possible.

A. lutescens (Gyllenhal, 1813)

References: Fleischer 1829 (*Altica lutescens* Gyll.); Seidlitz 1887–1891; Rathlef 1905; Palij 1958; Pūtele 1970a, b, c, 1974; Barševskis 1993; Telnov *et al.* 1997; Telnov 2004; Spunģis 2008.

Examined material: seven specimens: Daugavpils d., Ilgas, Silene Nature Park, 25–30 June 1998 (1, leg. A. Barševskis), June–July 2000 (1, leg. I. Haka & G. Hļebnaja), 2–10 July 2004 (1, leg. A. Barševskis); Daugavpils d., Stropi, 27 April 2008 (1, bank of Lake Lielais Stropu, leg. A. Barševskis); Madona d., Ošupe, 2.5 km NE Lake Lubāns, 56°50'03"N 26°56'05"E, 6 July 2008 (1, wet meadow and bank of the Aiviekste River, leg. M. Balalaikins, A. Bukejs); Preiļi d., Jersika, Kurpnieki house, 23–24 June 2008 (1, leg. A. Barševskis).

kis); Ventspils d., Moricsala Island, Moricsala Nature Reserve, 15 July 2008 (1, leg. A. Bukejs).

Host plants: Lythraceae (*Lythrum salicaria*). In the literature, *Filipendula* (Bieńkowski 2004) is also mentioned as host plant.

General distribution: Europe, N Africa, Asia Minor, Near East, Caucasus, Iran, W Siberia, Transbaikalia, Kazakhstan, central Asia, Mongolia. [PAL]

A. violacea (Koch, 1803)

syn.: *sublaevis* Boheman, 1851; *pseudacori* Redtenbacher, 1849

References: Seidlitz 1872–1875, 1887–1891; Rathlef 1905; Palij 1958; Pūtele 1970a, b, c; Telnov *et al.* 1997; Telnov 2004.

Examined material: two specimens: Daugavpils d., Līksna parish, 2 km N Daugavpils, 17 May 2008 (1, inland dunes, edge of pine forest, leg. A. Bukejs); Ventspils d., Moricsala Island, Moricsala Nature Reserve, 29 May 2006 (1, leg. E. Rudāns).

Host plants: Euphorbiaceae (*Euphorbia*). In the literature, *Iris* is also mentioned as host plant (Bieńkowski 2004).

General distribution: Europe (except N), Caucasus. [EUR]

Note: Very rare species, known only from two localities in NW and SE Latvia. First records in Latvia within the last 120 years. In Fennoscandia and the Baltic states, this species is reported from Estonia, Latvia, Lithuania and Sweden (Silfverberg 2004).

A. pygmaea (Kutschera, 1861)

syn.: *euphorbiae* Foudras, 1860

References: Pūtele 1968; 1970a, b, c, 1974, 1980, 1981a, b; Telnov *et al.* 1997; Telnov 2004.

Examined material: Not confirmed by the author.

Host plants: Euphorbiaceae (*Euphorbia*).

General distribution: S, C and E Europe, Cyprus, Caucasus, N Africa (Egypt, Libya), Asia Minor (Turkey), Near East. [EUM]

Note: Record needs confirmation. According to the catalogue of Silfverberg (2004), it is mentioned for Estonia, Finland, Karelia, Latvia, Lithuania and Sweden; the species is also known from Belarus (Lopatin & Nesterova 2005).

A. atrocaerulea (Stephens, 1831)

syn.: *cyanella* Redtenbacher, 1849; *puncticollis* Alard, 1866

Examined material: two specimens: Balvi d., Viļaka, 27 July 1992 (1, leg. A. Barševskis); Daugavpils d., Maļinova, 8 May 1993 (1, leg. A. Barševskis).

Host plants: Euphorbiaceae (*Euphorbia*).

General distribution: Europe. [EUR]

Note: New species in the Latvian fauna. In Silfverberg (2004), this species is reported also for Denmark, Lithuania, Norway and Sweden.

A. venustula (Kutschera, 1861) s. str.

syn.: *cyanella* Foudras, 1859, non Redtenbacher, 1849

References: Tomsons 1940; Pūtele 1970a, b, c.

Examined material: Not confirmed by the author.

Host plants: Euphorbiaceae (*Euphorbia*).

General distribution: Europe (except N), Caucasus, Asia Minor. [EUR]

Note: Rare species with a few known localities (Pūtele 1970c). Record needs confirmation. In Fennoscandia and the Baltic states, this species is reported for Estonia and Sweden (Silfverberg 2004); it is also known from southern Belarus (Lopatin & Nesterova 2005).

A. euphorbiae (Schrank, 1781)

syn.: *hilaris* (Stephens, 1831)

References: Ulanowski 1883 (*Podagrica euphorbiae* Schrank.); Seidlitz 1872–1875 (*hilaris* Steph.), 1887–1891; Rathlef 1905; Lindberg 1932; Tomsons 1940; Trauberga 1957; Palij 1958; Ozols 1948, 1963; Pūtele 1958, 1959, 1970a, b, c, 1974, 1982; Šmits & Spuris 1966; Spuris 1974; Priedītis & Pūtele 1976; Barševskis 1993; Telnov *et al.* 1997; Barševskis *et al.* 2002; Telnov 2004.

Examined material: 13 specimens: Daugavpils d., Ilgas, Silene Nature Park, 1992 (1, leg. A. Barševskis), 5 July 1992 (3, leg. A. Barševskis), 8 July 1992 (1, leg. A. Barševskis), 24 April 1993 (1, leg. A. Barševskis), 18 May 2005 (1, leg. A. Barševskis); Daugavpils d., Višķi, 24 September 1992 (1, leg. A. Barševskis); Gulbene d., Ušūrs, 5 August 2004 (1, leg. A. Barševskis, U. Valainis); Krāslava d., Šķeltiņi, 23 September 1990 (1, leg. A. Barševskis), 22 August 1992 (1, leg. A. Barševskis), 2 May 1993 (1, leg. A. Barševskis); Madona d., Ošupe, 2.5 km NE Lake Lubāns, 56°50'03"N 26°56'05"E, 6 July 2008 (1, wet meadow and bank of the Aiviekste River, leg. M. Balalaikins, A. Bukejs).

Host plants: Euphorbiaceae (*Euphorbia*), Linaceae (*Linum usitatissimum*), Peganaceae (*Peganum*).

General distribution: Europe, N Africa, Caucasus, Near East, Asia Minor, the southern part of West and Mid Siberia (Sayan Mts., Altai), Kazakhstan. [TEM]

A. nonstriata (Goeze, 1777)

syn.: *coerulea* Geoffroy, 1785, in Fourcroy; *pseudacori* Marsham, 1802

References: Fleischer 1829 (*Altica coerulea* F.); Seidlitz 1872–1875, 1887–1891 (*coerulea* Geoff.); Rathlef 1905 (*coerulea* Fourcr.); Lindberg 1932 (*coerulea*);

Paliņ 1958; Pūtele 1970a, b, c, 1974 (*coerulea* Geoffr.); Priedītis & Pūtele 1976; Telnov *et al.* 1997; Telnov 2004; Bukejs & Telnov 2007; Spuņģis 2008.

Examined material: 223 specimens: Aizkraukle d., Nereta, 16 June 2005 (1, leg. A. Barševskis); Daugavpils d., Bebrene, 14 May 2006 (2, leg. E. Rudāns); Daugavpils d., Butišķi, 26 May 2008 (1, valley of the Daugava River, leg. A. Bukejs); Daugavpils d., Ilgas, Silene Nature Park, 7 June 1994 (2, leg. A. Barševskis), 2 July 1994 (1, leg. A. Barševskis), 4 July 1994 (10, leg. A. Barševskis), June–July 2000 (1, leg. I. Haka, G. Hļebnaja), 5 May 2001 (3, leg. G. Lociks), 15 June 2001 (1, leg. G. Lociks), 4 July 2005 (2, leg. A. Barševskis), 1–4 July 2008 (1, leg. R. Cibuļskis); Daugavpils d., Oborūni, 27 July 2001 (2, leg. G. Lociks); Jēkabpils d., Dunava, 1–8 April 2007 (13, leg. A. Barševskis); Jēkabpils d., Zasa, 19 June 2000 (1, leg. I. Leiskina); Krāslava d., Šķeltova, Barševskis house, 25 May 2007 (16, leg. A. Barševskis, K. Barševska), 30 June 2007 (5, leg. A. Barševskis); Krāslava d., 2.3 km SW Tartaks, Mišjūni house, 55°52'814" N 26°56'278"E, Daugavas Loki Nature Park, 9 May 2008 (11, valley of the Daugava River, glen meadow, leg. R. Cibuļskis); Ogre d., Jump-

rava, Velna dobe, 10 July 2008 (1, leg. A. Barševskis); Preiļi d., Jersika, Kurpnieki house, 22 May 2005 (1, leg. A. Barševskis), 4 May 2006 (6, leg. A. Barševskis), 14 May 2006 (1, leg. K. Barševska), 20 May 2006 (16, leg. K. Barševska), 26–28 May 2006 (16, leg. K. Barševska), 6–7 June 2006 (1, leg. A. Barševskis, K. Barševska), 15 July 2006 (2, leg. K. Barševska), 18 August 2006 (1, leg. A. Barševskis), 29 April 2007 (25, leg. K. Barševska, A. Barševskis), 12 May 2007 (15, leg. A. Barševskis), 13 June 2008 (1, leg. A. Barševskis), 23–24 June 2008 (1, leg. A. Barševskis), 2 July 2008 (3, leg. A. Barševskis), 7 September 2008 (1, leg. A. Barševskis); Rēzekne d., Ideņa env., 22 August 2006 (3, bank of Lake Lubāns near the Rēzekne River, leg. A. Bukejs, M. Balalaikins); Ventspils d., Moricsala Island, Moricsala Nature Reserve, 6 September 2002 (4, leg. U. Valainis), 14 May 2004 (8, leg. A. Barševskis), 25 June 2004 (1, leg. A. Barševskis, U. Valainis), 30 May 2006 (1, leg. E. Rudāns), 4–5 May 2008 (5, leg. A. Pankjāns, U. Valainis, E. Tamanis, A. Soldāns), 15 July 2008 (4, leg. V. Alekseev, A. Pavlova), 15 July 2008 (6, leg. A. Barševskis), 15 July 2008 (27, leg. A. Bukejs).

Host plants: Iridaceae (*Iris pseudacorus*).

General distribution: Europe, Caucasus, Asia Minor, Near East, Iran, the southern part of W Siberia, Kazakhstan. [TUE]

Note: In the Latvian fauna, bronze colour variation in *aenescens* Weise, 1888 of the species (Figs 3, 4) also occurs; this variation is rare.

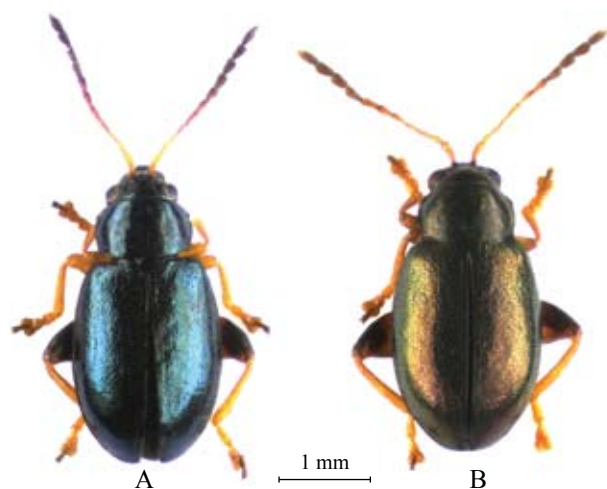


Figure 3. *A. nonstriata* (Goeze, 1777) – habitus, dorsal view: A – typical form, B – var. *aenescens* Weise, 1888.



Figure 4. *A. nonstriata* (Goeze, 1777) – aedeagus, dorsal and lateral.

A. erichsoni (Zetterstedt, 1838)

References: Mikutowicz 1905; Rathlef 1921; Paliņ 1958; Pūtele 1970a, b, c, 1975; Telnov *et al.* 1997; Telnov 2004; Spuņģis 2008.

Examined material: Not confirmed by the author.

Host plants: Cyperaceae (*Carex irrigua*). In the literature, *Marchantia* (Marchantiaceae) is also mentioned as host plant (Bieńkowski 2004).

General distribution: N Europe (southward to Ukraine (Carpathians), Poland, Slovakia), the northern part of Siberia, Mongolia, Far East of Russia. [SIE]

Note: Very rare species, known only from two localities in Rīga district (Mikutowicz 1905) and Teiči bog (Spuņģis 2008). Probably, the species is more widely distributed in suitable habitats (swamps etc.) throughout Latvia.

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**APIE KRYŽMAŽIEDES SPRAGES (COLEOPTERA: CHRYSOMELIDAE: ALTICINAE) LATVIJOS FAUNOJE.
4. GENTIS APHTHONA CHEVROLAT, 1836**

A. Bukejs

SANTRAUKA

Straipsnyje analizuojami duomenys apie *Aphthona* Chevrolat, 1836 genties 6 kryžmažiedžių spragių rūšis Latvijoje. Iš viso buvo ištirti 259 šios genties individai. *A. atrocaerulea* (Stephens, 1831) Latvijoje užregistruota pirmą kartą. Pirmą kartą apibendrinta bibliografinė informacija apie šios genties kryžmažiedes sprages Latvijoje. *A. cyparissiae* (Koch, 1803) iš Latvijos Coleoptera rūšių sąrašo išbraukta. Pateikiamas dešimties Latvijoje aptinkamų *Aphthona* genties kryžmažiedžių spragių rūšių anotuotas sąrašas.

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