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Contribution to the knowledge of *Gyrophæna* MANNERHEIM 1830 (Coleoptera: Staphylinidae: Aleocharinae: Gyrophænina) of Latvia

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Abstract: The species of the genus *Gyrophæna* MANNERHEIM 1830 (Coleoptera: Staphylinidae) of Latvia are reviewed. Nineteen species are recorded, the presence of *G. munsteri* STRAND 1935 is not confirmed by new material. The following species are newly recorded from Latvia: *G. obsoleta* GANGLBAUER 1895, *G. orientalis* STRAND 1938, *G. pulchella* HEER 1839, *G. rousi* DVOŘÁK 1966 and *G. williamsi* STRAND 1935. Illustrations of sexual characters are provided for *G. congrua* ERICHSON 1837, *G. fasciata* (MARSHAM 1802), *G. joyioides* WÜSTHOFF 1937, *G. minima* ERICHSON 1837, *G. rousi* and *G. williamsi*.

Key words: Coleoptera, Staphylinidae, Aleocharinae, *Gyrophæna*, Latvia, new records.

Introduction

The first records of *Gyrophæna* MANNERHEIM (*G. boleti* (LINNAEUS 1758) and *G. nana* (PAYKULL 1800)) for Courland were published by SEIDLITZ (1872-1875) in his "Fauna Baltica. Die Käfer (Coleoptera) der Ostseeprovinzen Russlands". SEIDLITZ (1887-1891) cited *G. congrua* ERICHSON 1837 for Livland (=Livonia). ULANOWSKI (1883) recorded *G. nana* (PAYKULL 1800) for "Polish Livonia". HEYDEN (1903) cited two species (*G. fasciata* (MARSHAM 1802) and *G. nana*) based on material collected near Riga in 1886 by Arthur von Wulff (deceased nephew of Lucas Friedrich Julius Dominikus von Heyden). MIKUTOWICZ (1905) recorded three species (*G. bihamata* THOMSON 1867, *G. punctulata* MULSANT & REY 1870, *G. affinis* MANNERHEIM 1830) in his paper on the Coleoptera fauna of the Russian Baltic provinces. In his catalogue JACOBSON (1909) recorded five species for Kurlyandskaya and Lifyandskaya guberniya, one of which, *G. strictula* ERICHSON 1839, was recorded from Lifyandskaya guberniya for the first time. DANKS (1939) recorded seven species from the environs of Rūjiena, three of them (*G. gentilis* ERICHSON 1839, *G. manca* ERICHSON 1839, *G. minima* ERICHSON 1837) were new for the fauna of Latvia. Besides that, information on records of *Gyrophæna* in Latvia can be found in the works of modern authors (JANSSON 2003; VORST et al. 2007; TELNOV et al. 2007; 2011). In addition to the works listed above, there are checklists and catalogues, which list species of *Gyrophæna* for Latvia without citing the material studied (RATHLEF 1905; 1921; SILFVERBERG 1992; 2004; SMETANA 2004; TELNOV et al. 1997; TELNOV 2004).

This paper presents a list of species for Latvia. For six species, detailed figures of the aedeagus and the male tergite VIII for are given.

Material and methods

This paper is based on material collected by Latvian entomologists during the period from 1993-2011 in Latgale, Augšzeme and the eastern part of Vidzeme (Latvia). In total, we have examined about 2500 specimens. The studied material is deposited in the collection of Daugavpils University (DUBC) and in the author's private collections. For details on the methods used in this paper see ENUSHCHENKO & SHAVRIN (2011). The list of *Gyrophana* species is based on both literature records and new material. Subgenera and species are listed in alphabetical order. Species which whose presence in Latvia was not confirmed by new material are given in square brackets []. In the species sections, only references pertaining to Latvia are listed; checklists and catalogues are not included in the species reviews because they lack original collection data. Distributional data are based on SMETANA (2004) with additional corrections by various authors. All studied specimens were identified by the first author.

Results

Gyrophana (Agaricophana) boleti (LINNAEUS 1758)

[*fungicola* MOTSCHULSKY 1860; *punctipennis* THOMSON 1860]

1860] *Gyrophana boleti*: SEIDLITZ 1872-1875: 313.

Gyrophana boleti: JACOBSON 1909: 533.

Gyrophana boleti: JANSSON 2002: 28.

Material examined : Ventspils distr. 132 exs, Moricsala Nat. Reserve, 2.V.2006, leg. E. Rudāns; 1 ♂, 5 ♀, Moricsala Isl., Moricsala Nat. Reserve, 2.V.2006, leg. U. Valainis; Talsi distr. 17 exs, Nogale, 26.VI.1996, leg. R. Cibulskis; 2 ♂, Nogale, 15.V.1998, leg. R. Cibulskis; 1 ♀, Nogale, 6.VIII.1998, leg. R. Cibulskis; Ogre distr. 1 ♂, 2 ♀, 4 km NW Dirikupīte, connect with Daugava, 3.V.2006, leg. A. Barševskis, U. Valainis & E. Rudāns; Ilūkstes distr. 1 ♀, Pilskalne, Nat. Park "Pilskalnes Siguldiņa", 5.V.2008, leg. A. Barševskis & K. Barševska; 54 exs, Līksna, 4.V.1997, leg. R. Cibulskis; Rēzeknes distr. 29 exs, Kaunata, Nat. Park Rāzna, restricted area "Lielais Liepukalns", 24.VII.2008, leg. U. Valainis & R. Cibulskis. Daugavpils distr. 7 exs, Vabole, 13.VII.1997, leg. R. Cibulskis; 8 exs, Vabole, 18.V.1997, leg. R. Cibulskis; 5 exs, Vabole, 20.VII.1999, leg. R. Cibulskis; 1 ♂, 3 ♀, Ilgas, 31.V.1994, leg. A. Barševskis; 7 exs, 4 ♂, 2 ♀, Saliēna, 3.VII.1999, leg. R. Cibulskis; 1 ♂, 2 ♀, Demene, 1.VI.2000, leg. R. Cibulskis.

Distribution : Europe and the European part of Russia, Turkey, Kazakhstan, Siberia.

Comments : SEIDLITZ (1872-1875: 313) and JACOBSON (1909: 533) recorded *G. boleti* for Courland. The species was recorded for Moricsala (Moricsala Nature Reserve) by JANSSON (2002), who ignored old records and cited the species as "new for Latvia".

Gyrophana (Gyrophana) bihamata THOMSON 1867

[*carpini* BAUDI DI SELVE 1870; *despecta* MULSANT & REY 1870; *ruficornis* MULSANT & REY 1872]

Gyrophana bihamata: MIKUTOWICZ 1905: 86.

Gyrophæna bihamata: JACOBSON 1909: 533.

Gyrophæna bihamata: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Ventspils distr. 3♂♂, Moricšala Nat. Reserve, VIII.2010, leg. K. Sokolovskis; Riga distr. 1♂, Jūrmala env., 18.VIII.2010, leg. A. Shavrin; Dundagas distr. 1♀, Slitere Nat. Park, "Zilie kalni", 17.VII.2007, leg. A. Barševskis; 14♂♂, 22♀♀, Slitere Nat. Park, 27.VI.2006, leg. A. Barševskis & U. Valainis; Madonas distr. 1♂, 3♀♀, Krustkalnu Nat. Reserve, 11.VII.2005, leg. A. Barševskis; Daugavpils distr. 4♂♂, 8♀♀, Vabole, 22.VII.1997, leg. R. Cibulskis; 1♀, Vabole, 17.VIII.1997, leg. R. Cibulskis; 1♂, Vabole, 20.VI.1999, leg. R. Cibulskis; 1♂, 1♀, Silene Nat. Park, Nature restricted area "Ilgas", 30.VI.1989, leg. A. Barševskis; 4♂♂, 2♀♀, same data, near castle, Malayse trap, 29.VI-11.VII.2007, leg. A. Barševskis; 1♂, same data, 28.VIII.2009, leg. R. Cibulskis; 3♂♂, 2♀♀, Tabore, 15.VII.2000, leg. R. Cibulskis; 2♂♂, Stropi, 9.X.2005, leg. A. Bukejs; 1♂, Likšna, 24.VII.1999, leg. R. Cibulskis; 171♂♂, 329♀♀, Šederes pag., "Straumeni", 25.VI., 12.IX.2010, leg. M. Janovska; 10♂♂, 4♀♀, Medumi, 27.VIII.1999, leg. R. Cibulskis; 38♂♂, 32♀♀, Vekšaliņa, 21.VIII.1999, leg. R. Cibulskis; Dagdas distr. 4♂♂, 8♀♀, Ezemieki Nat. Park Rāzna, Botanical reserve "Pīloru ozoli", 24.VII.2008, leg. U. Valainis & A. Barševskis.

D i s t r i b u t i o n : North Africa (Algeria, Tunisia), Europe, European part of Russia, Caucasus, Turkey, Siberia, Russian Far East, North Korea.

C o m m e n t s : MIKUTOWICZ (1905: 86) recorded *G. bihamata* from "Schlottenhof" (= Slāte) and "Salwen" (= Zalve). JACOBSON (1909: 533) recorded it from "Курл. [Courland]". DANKS (1939: 80) recorded the species from the "Umgebung von Rūjiena".

***Gyrophæna (Gyrophæna) congrua* ERICHSON 1837 (Figs 1, 7)**

Gyrophæna congrua: SEIDLITZ 1887-1891: 444.

M a t e r i a l e x a m i n e d : Babītes novads. 2♂♂, 2♀♀, Jūrmala env., 18.VIII.2010, leg. A. Shavrin; Jēkabpils distr. 1♂, Leimāņi, 14.VIII.2001, leg. I. Leiskina; 1♂, Rubene, 19.VIII.2001, leg. I. Leiskina; 1♂, 2♀♀, Zasa, 20.VIII.1998, leg. I. Leiskina; 2♂♂, 2♀♀, Dunava, 27.VII.2000, leg. I. Leiskina; 3♂♂, 1♀, Dunava, 16.VIII.2001, leg. I. Leiskina; 4♂♂, 1♀, Dunava, 56°12'39" N; 26°12'17" E, 11-13.VIII.2006, leg. A. Barševskis; Daugavpils distr. 1♂, 2♀♀, Svete, 15.VIII.1999, leg. R. Cibulskis; 1♀, Vecsaliņa, 21.VIII.1999, leg. R. Cibulskis; 1♂, 1♀, Vabole, 29.VIII.1997, leg. R. Cibulskis; 3♀♀, Silene Nat. Park, restricted area "Ilgas", 28.VIII.2009, leg. R. Cibulskis; Aglonas distr. 3♂♂, 2♀♀, Šķelīni, 28.08.1992, leg. A. Barševskis; Rēzeknes distr. 1♂, 1♀, Sadža kauškalī, 2009, leg. N. Jaseviča.

D i s t r i b u t i o n : Europe, European Russia, Caucasus, East Siberia, Russian Far East.

C o m m e n t s : SEIDLITZ (1887-1891: 444) recorded *G. congrua* from "Livl.[and]". The new material confirms the presence of this species in Latvia. For illustrations of the aedeagus and the male tergite VIII see Figs 1, 7.

***Gyrophæna (Gyrophæna) fasciata* (MARSHAM 1802) (Figs 2, 8)**

[*laevipennis* KRAATZ 1856; *pallicornis* (STEPHENS 1832); *rhodeana* CASEY 1906]

Gyrophæna laevipennis: HEYDEN 1903: 20.

Gyrophæna fasciata: JACOBSON 1909: 533.

Gyrophæna fasciata: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Kuldīga distr. 1♀, Vāme, 10.IX.2004, leg. A. Barševskis; Talsi distr. 1♂, Mazirbe, VI.2002, leg. A. Barševskis; Dundagas distr. 8♂♂, 16♀♀, Slitere Nat. Park "Zilie kalni", 17.VII.2007, leg. A. Barševskis; Madonas distr. 6♀♀, Krustkalnu Nat. Reserve, 10.VII.2005, leg. A. J. Kaizans & A. Barševskis; Preiļi distr. 1♂, 1♀, Pelechi, "Zala birze" house, 10.X.2010, leg. K. Sokolovskis; Daugavpils distr. 1♂, Vabole, 29.VII.1997, leg. R. Cibulskis; 1♂, 4♀♀, Vabole, 22.VIII.1997, leg. R. Cibulskis; 6♂♂, 3♀♀, Tabore, 15.VII.2000, leg. R.

Cibuļskis; 1 ♀, Silene Nat. Park, restricted area "Ilgas", 27.VIII.1994, leg. A. Barševskis; 1 ♀, same data, 12-13.IX.2000, leg. A. Barševskis; 1 ♂, 1 ♀, same data, 28.VIII.2009, leg. R. Cibuļskis; 11 ♂♂, 8 ♀♀, Vecsaliena, 21.VIII.1999, leg. R. Cibuļskis; Rēzeknes distr. 1 ♂, 1 ♀, Kaunata Nat. Park, Rāzna, restricted area "Lielais Liepukalns", 24.VII.2008, leg. U. Valainis & R. Cibuļskis; 1 ♀, Šedere, "Straumēni", 29.VII.2007, leg. M. Murd; Dagdas distr. 5 ♂♂, 7 ♀♀, Ezemiekī, Nat. Park Rāzna, botanical reserve "Piļori ozoli", 24.VII.2008, leg. U. Valainis & R. Cibuļskis.

D i s t r i b u t i o n : Europe, European Russia, Caucasus, East Siberia.

C o m m e n t s : HEYDEN (1903: 20) recorded *G. laevipennis* from "...Riga an der Düna in Livland...". JACOBSON (1909: 533) recorded it from "Лифл. [\"Liflyandia\" (Livland)]". For illustrations of the aedeagus and the male tergite VIII see Figs 2, 8.

***Gyrophæna (Gyrophæna) gentilis* ERICHSON 1839**

Gyrophæna gentilis: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Kuldīga distr. 1 ♂, 4 ♀♀, Vāme, 10.IX.2004, leg. A. Barševskis; Ventspils distr. 1 ♂, Moricsala Nat. Reserve, IX.2003, leg. U. Valainis; 1 ♂, 3 ♀♀, same data, 23.VIII.2008, leg. A. Barševskis; 10 ♂♂, 13 ♀♀, same data, 16-17.VIII.2010, leg. A. Shavrin; Aizkraukles novads. 2 ♂♂, 1 ♀, Aizkraukle, purvā uz Liepu salas, 19.VIII.1995, leg. A. Barševskis; Preiļi distr. 1 ♂, 1 ♀, Pelechi, "Zala birze" house, 10.X.2010, leg. K. Sokolovskis; Jēkabpils distr. 1 ♀, Dunava, 17.VII.2001, leg. I. Leiskina; Daugavpils distr. 1 ♂, Silene Nat. Park, restricted area "Ilgas", 28.VIII.2009, leg. R. Cibuļskis; 1 ♂, same data, 28.V.1999, leg. A. Barševskis; 4 ♂♂, 2 ♀♀, same data, 31.V.1999, leg. A. Barševskis; 1 ♂, same data, 30.VIII.1997, leg. U. Sēnēm; 1 ♀, Nogale, 6.VIII.1998, leg. R. Cibuļskis; 1 ♂, Vabole, 20.VI.1999, leg. R. Cibuļskis; 1 ♀, Medumi, 27.VII.1999, leg. R. Cibuļskis; 2 ♂♂, 5 ♀♀, Vecsaliena, 21.VIII.1999, leg. R. Cibuļskis; 2 ♂♂, 1 ♀, Tabore, 15.VII.2000, leg. R. Cibuļskis; 1 ♂, 1 ♀, Stropi, 9.X.2005, leg. A. Bukejis.

D i s t r i b u t i o n : Europe including European part of Russia, Caucasus, Turkey, Siberia.

C o m m e n t s : DANKS (1939: 80) recorded *G. gentilis* from the "Umgebung von Rūjiena".

***Gyrophæna (Gyrophæna) joyi* WENDELER 1924**

[*convexicollis* JOY 1912; *joyi asiatica* WÜSTHOFF 1937]

M a t e r i a l e x a m i n e d : Talsi distr. 1 ♂, 1 ♀, Slītere Nat. Park, 27.VI.2006, leg. A. Barševskis, U. Valainis & A. Pankjans; Daugavpils distr. 2 ♂♂, 1 ♀, Vecsaliena, 21.VIII.1998, leg. R. Cibuļskis; 1 ♂, 2 ♀♀, Vecsaliena, 19.VII.1999, leg. R. Cibuļskis; 6 ♂♂, 8 ♀♀, Nogale, 6.VIII.1998, leg. R. Cibuļskis; 2 ♂♂, 1 ♀, Saliņa, 3.VII.1999, leg. R. Cibuļskis; 2 ♂♂, 2 ♀♀, Šedere, "Straumēni", 29.VII.2007, leg. M. Murd.

D i s t r i b u t i o n : Europe, European Russia, Turkey, East Siberia.

C o m m e n t s : Previously, *G. joyi* was listed for Latvia in checklists and catalogues without collection data (SILFVERBERG 2004: 36; SMETANA 2004: 444; TELNOV 2004: 51). The material above confirms the presence of this species in Latvia.

***Gyrophæna (Gyrophæna) joyioides* WÜSTHOFF 1937 (Figs 3, 9)**

Gyrophæna joyioides: VORST et al. 2007: 17.

Gyrophæna joyioides: TELNOV et al. 2007: 46.

M a t e r i a l e x a m i n e d : Kuldīga distr. 2 ♂♂, Vāme, 10.IX.2004, leg. A. Barševskis; Talsi distr. 1 ♂, 2 ♀♀, Mazirbe, VI.2002, leg. A. Barševskis; Daugavpils distr. 1 ♀, Silene Nat. Park, restricted area "Ilgas", 5.VII.1999, leg. A. Barševskis; 1 ♂, 1 ♀, same data 4.VII.2005, leg. A. Barševskis; 4 ♂♂, 10 ♀♀, same data, 28.VIII.2009, leg. R. Cibuļskis; 2 ♂♂, 1 ♀, Nogale,

6.VIII.1998, leg. R. Cibulskis; 1 ♂, Vabole, 20.VI.1999, leg. R. Cibulskis; 2 ♂ ♂, 3 ♀ ♀, Medumi, 27.VII.1999, leg. R. Cibulskis; 1 ♂, Līksna, 24.VII.1999, leg. R. Cibulskis; 5 ♂ ♂, 8 ♀ ♀, Vecsaliena, 21.VIII.1999, leg. R. Cibulskis; 40 ♂ ♂, 34 ♀ ♀, Tabore, 15.VII.2000, leg. R. Cibulskis; 1 ♂, 2 ♀ ♀, Šēderes pag., "Straumeni", 25.VI.2010, leg. M. Janovska; Krāslava distr. 1 ♂, 1 ♀, Sadža kauškalī, 2009, leg. N. Jaseviča; Rēzeknes distr. 4 ♂ ♂, 3 ♀ ♀, Kaunata, Nat. Park Rāzna, restricted area "Lielais Liepukalns", 24.VII.2008, leg. U. Valainis & R. Cibulskis; Preiļi distr. 2 ♂ ♂, 3 ♀ ♀, Preiļi, city park, 30.VII.2007, leg. A. Barševskis.

D i s t r i b u t i o n : Europe, European Russia, Caucasus, Iran.

C o m m e n t s : VORST et al. (2007: 17) recorded *G. joyioides* from Sigulda, and TELNOV et al. (2007: 46) from Jēkabpils district. For illustrations of the aedeagus and the male tergite VIII see Figs 3, 9.

***Gyrophæna (Gyrophæna) manca* ERICHSON 1839**

[*angustata* (STEPHENS 1832), *puncticollis* HOCHHUTH 1872]

Gyrophæna manca: DANKS 1939: 80.

Gyrophæna manca: TELNOV et al. 2011: 21.

M a t e r i a l e x a m i n e d : Jēkabpils distr. 1 ♂, 1 ♀, Rubene, 22.VII.2000, leg. I. Leiskina; Talsi distr. 1 ♀, Mazirbe, VI.2002, leg. A. Barševskis; Daugavpils distr. 3 ♂ ♂, 1 ♀, Silene Nat. Park, restricted area "Ilgas", 28.V.1999, leg. A. Barševskis; 1 ♂, same data, 5.VI.1999, leg. A. Barševskis; 1 ♂, same data, 1.VII.1999, leg. A. Barševskis; 3 ♂ ♂, same data, 11.VI.2007, leg. A. Barševskis; 1 ♂, 1 ♀, same data, 27.VI.2007, leg. R. Cibulskis; 5 ♂ ♂, 6 ♀ ♀, Vabole, 20.VI.1999, leg. R. Cibulskis.

D i s t r i b u t i o n : Europe, European Russia, Caucasus, West and East Siberia.

C o m m e n t s : RATHLEF (1921: 57) cited *G. manca* for Latvia in his addition to the previous catalogue (1905) without collection data. Later, DANKS (1939: 80) recorded the species from the "Umgebung von Rūjiena". TELNOV et al. (1997: 51) and SILFVERBERG (2004: 36) cited it as *G. angustata* in their checklists.

***Gyrophæna (Gyrophæna) minima* ERICHSON 1837 (Figs 4, 10)**

Gyrophæna minima: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Ventspils distr. 1 ♀, Moricsala Nat. Reserve, 2.V.2006, leg. E. Rudāns; Daugavpils distr. 2 ♂ ♂, 1 ♀, Šēderes pag., "Straumeni", 25.VI.2010, leg. M. Janovska; 2 ♂ ♂, Tabore, 15.VII.2000, leg. R. Cibulskis; Talsi distr. 1 ♀, Mazirbe, VI.2002, leg. A. Barševskis; Aglonas distr.: 1 ♀, Skeltini, 23.VIII.1997, leg. A. Barševskis.

D i s t r i b u t i o n : Europe, European Russia, Turkey.

C o m m e n t s : For illustrations of the aedeagus and the male tergite VIII see Figs 4, 10.

***Gyrophæna (Gyrophæna) munsteri* STRAND 1935]**

Gyrophæna munsteri: VORST et al. 2007: 17.

D i s t r i b u t i o n : Europe, Turkey, Siberia.

C o m m e n t s : VORST et al. (2007: 17) cited the species for Sigulda.

***Gyrophæna (Gyrophæna) nana* (PAYKULL 1800)**

[*marginata* (STEPHENS 1832); *nigriventris* A. FLEISCHER 1909; *perpolita* CASEY 1906]

Gyrophæna nana: SEIDLITZ 1872-1875: 312.

Gyrophana nana: ULANOWSKI 1883: 20.

Gyrophana nana: HEYDEN 1903: 20.

Gyrophana nana: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Talsi distr. 1 ♀, Slitere Nat. Park "Zilie kalni", 27.VI.2006, leg. A. Barševskis & U. Valainis; Limbaži distr. 1 ♀, Dunte, 16.VIII.2008, leg. A. Barševskis; Jēkabpils distr. 1 ♂, Rubene, 12.VIII.2001, leg. I. Leiskina; Daugavpils distr. 1 ♂, 6 ♀ ♀, Vabole, 22.VI.1997, leg. R. Cibulskis; 1 ♂, 1 ♀, Vecsaliena, 21.VIII.1999, leg. R. Cibulskis; 1 ♀, Nogale, 6.VIII.1998, R. Cibulskis;

D i s t r i b u t i o n : Europe, European Russia, Caucasus, Siberia, Russian Far East, boreal North America.

C o m m e n t s : SEIDLITZ (1872-1875: 312) cited *G. nana* for "Curl.[yandia]"; ULANOWSKI (1883: 20) for "Nowy Ryków" (Jaunrikavas muīža, Rezeknes district); HEYDEN (1903: 20) for "...Rīga an der Düna in Livland...".

***Gyrophana (Gyrophana) obsoleta* GANGLBAUER 1895**

M a t e r i a l e x a m i n e d : Ventspils distr. 10 ♂ ♂, 3 ♀ ♀, Moricsala Nat. Reserve, 5.X.2010, leg. K. Sokolovskis; Daugavpils distr. 1 ♂, 2 ♀ ♀, Silene Nat. Park, restricted area "Ilgas", 10.X.1993, leg. U. Sēnēm; 2 ♂ ♂, 5 ♀ ♀, Stropi, 9.X.2005, A. Bukejs; Preiļi distr. 285 exs, Pelēči, "Zāla birze" house, 10.X.2010, leg. K. Sokolovskis.

D i s t r i b u t i o n : Europe, European Russia, Siberia.

C o m m e n t s : This species is here reported for Latvia for the first time.

***Gyrophana (Gyrophana) orientalis* A. STRAND 1938**

M a t e r i a l e x a m i n e d : Kuldīga distr. 2 ♀ ♀, Vāme, 10.IX.2004, leg. A. Barševskis; Daugavpils distr. 9 ♀ ♀, Vabole, 13.VII.1997, leg. R. Cibulskis; 1 ♂, 3 ♀ ♀, Vabole, 4.IX.1999, leg. R. Cibulskis; 113 ♂ ♂, 76 ♀ ♀, Svente, 15.VIII.1999, leg. R. Cibulskis; 6 ♂ ♂, 6 ♀ ♀, Līksna, 24.VII.1999, leg. R. Cibulskis; Preiļi distr. 3 ♀ ♀, Jersika, 14.VII.2007, leg. A. Barševskis.

D i s t r i b u t i o n : North Europe, northern part of European Russia, East Siberia.

C o m m e n t s : New record for the fauna of Latvia.

***Gyrophana (Gyrophana) poweri* CROTCH 1867**

[*puncticollis* THOMSON 1867; *punctulata* MULSANT & REY 1870]

Gyrophana punctulata: MIKUTOWICZ 1905: 85.

Gyrophana poweri: JACOBSON 1909: 533.

M a t e r i a l e x a m i n e d . Ventspils distr. 1 ♂, 1 ♀, Moricsala Nat. Reserve, 14.IX.2005, leg. A. Barševskis; 3 ♂ ♂, 4 ♀ ♀, same data, 16-17.VIII.2010, leg. A. Shavrin; Madona distr. 1 ♀, Krustkalnu Nat. Reserve, 11.VII.2005, leg. J. Kaizans & A. Barševskis; Jēkabpils distr. 4 ♂ ♂, 10 ♀ ♀, Dunava, 27.VII.2000, leg. I. Leiskina; 1 ♂, 2 ♀, Dunava, 4.X.2004, leg. A. Barševskis; 18 ♂ ♂, 23 ♀ ♀, Dunava, 56°12'93"N 26°12'17"E, 11-13.VIII.2006, leg. A. Barševskis; Daugavpils distr. 3 ♂ ♂, 3 ♀ ♀, Silene Nat. Park, restricted area "Ilgas", 11.VI.2007, leg. A. Barševskis; 1 ♂, 1 ♀, same data, 28.VIII.2009, leg. R. Cibulskis; 3 ♀ ♀, Pilskalne, Nat. Park "Pilskalnes Siguldiņa", 5.V.2008, leg. A. Barševskis & K. Barševska; Preiļi distr. 1 ♀, Pelēči, "Zāla birze" house, 10.X.2010, leg. K. Sokolovskis.

D i s t r i b u t i o n : Europe, European Russia, East Siberia, Russian Far East.

C o m m e n t s : MIKUTOWICZ (1905: 86) recorded *G. punctulata* from "Salwen" (= Zalve) and "Taurkaln" (= Taurkalns). JACOBSON (1909: 533) recorded it as *G. poweri* from "Курл. [Courland]".

***Gyrophæna (Gyrophæna) pulchella* HEER 1839**[*glabrella* MOTSCHULSKY 1858]

M a t e r i a l e x a m i n e d : Ventspils distr. 1♂, 3♀♀, Moricsala Nat. Reserve, 14.IX.2005, leg. A. Barševskis; 1♂, 5♀♀, same data, 5.X.2010, leg. K. Sokolovskis; Daugavpils distr. 2♂♂, 6♀♀, Silene Nat. Park, restricted area "Ilgas", 10.X.1993, leg. U. Sēnēm; 4♂♂, 2♀♀, Stropi, 9.X.2005, leg. A. Bukejs; Preiļi distr. 142 exs, Pelēči, "Zala birze" house, 10.X.2010, leg. K. Sokolovskis.

D i s t r i b u t i o n : Europe, European Russia, Caucasus, Siberia.

C o m m e n t s : The above material represents the first records from Latvia.

***Gyrophæna (Gyrophæna) rousi* DVOŘÁK 1966 (Figs 5, 11)**

M a t e r i a l e x a m i n e d : Daugavpils distr. 2♂♂, Vabole, 13.VII.1999, leg. R. Cibulskis.

D i s t r i b u t i o n : Europe, European part of Russia.

C o m m e n t s : The above specimens represent the first record from Latvia. For illustrations of the aedeagus and the male tergite VIII see Figs 5, 11.

***Gyrophæna (Gyrophæna) williamsi* A. STRAND 1935 (Figs 6, 12)**

M a t e r i a l e x a m i n e d : Daugavpils distr. 2♂♂, 1♀, Līksna, 24.VII.1999, leg. R. Cibulskis; 70♂♂, 55♀♀, Svente, 15.VIII.1999, leg. R. Cibulskis; 1♂, Vabole, 4.IX.1999, leg. R. Cibulskis.

D i s t r i b u t i o n : North and central Europe, European part of Russia, East Siberia.

C o m m e n t s : This species is here reported for Latvia for the first time. For illustrations of the aedeagus and the male tergite VIII see Figs 6, 12.

***Gyrophæna (Leptarthrophæna) affinis* MANNERHEIM 1830**

[*amabilis* LACORDAIRE 1835; *diversa* MULSANT & REY 1870; *inconspicua* CASEY 1906; *lacustris* CASEY 1906; *subpunctata* CASEY 1906]

Gyrophæna affinis: MIKUTOWICZ 1905: 86.

Gyrophæna affinis: DANKS 1939: 80.

M a t e r i a l e x a m i n e d : Ventspils distr. 3♂♂, 2♀♀, Moricsala Nat. Reserve, 5.X.2010, leg. K. Sokolovskis; 2♂♂, same data, 29.VII.2005, leg. A. Barševskis; Babītes novads, 2♀♀, Jurmala env., 18.VIII.2010, leg. A. Shavrin; Jēkabpils distr. 1♂, Dunava, 56°12'52"N; 26°12'10"E, 3.VII.2005, leg. A. Barševskis & K. Barševska; Daugavpils distr. 1♀, Vabole, 22.VII.1997, leg. R. Cibulskis; 10♂♂, 18♀♀, Vabole, 20.VI.1999, leg. R. Cibulskis; 3♂♂, 1♀, Medumi, 27.VIII.1999, leg. R. Cibulskis; 1♂, Silene Nat. Park, restricted area "Ilgas", 10.X.1993, leg. H. Sēnēm; 2♂♂, 1♀, same data, 8.VI.1994, leg. A. Barševskis; 1♂, same data, 5.VII.1999, leg. A. Barševskis; 1♂, same data, 28.VIII.2009, leg. R. Cibulskis; 1♀, Saliņa, 3.VII.1999, leg. R. Cibulskis; 6♂♂, 1♀, Līksna, 24.VII.1999, leg. R. Cibulskis; 1♂, 2♀♀, Vecsaliņa, 19.VII.1999, leg. R. Cibulskis; 1♀, Šedere, "Straumēni", 29.VII.2007, leg. M. Murd; 7♂♂, 3♀♀, Svente, 15.VIII.1999, leg. R. Cibulskis; Rēzeknes distr. 1♀, Kaunata, Nat. Park Rāzna, restricted area "Lielais Liepukalns", 24.VII.2008, leg. U. Valainis & R. Cibulskis; 1♀, Sadža kauškaļi, 2009, leg. N. Jaseviča.

D i s t r i b u t i o n : Holarctic region.

C o m m e n t s : MIKUTOWICZ (1905: 86) recorded *G. affinis* from "Lassen" (= Laši), "Salwen" (= Zalve) and "Tauerkaln" (= Taurkalns). DANKS (1939: 80) recorded it from the "Umgebung von Rūjiena".

***Gyrophaena (Phaenogyra) strictula* ERICHSON 1839**[*glacialis* HOCHHUTH 1849; *laevigata* HEER 1839]*Gyrophaena strictula*: JACOBSON 1909: 533.*Gyrophaena strictula*: VORST et al. 2007: 17.

M a t e r i a l e x a m i n e d . Daugavpils distr. 4 ♀♀, Vabole, 13.VII.1997, leg. R. Cibulskis; 5 ♂♂, 2 ♀♀, Niogale, 6.VIII.1998, leg. R. Cibulskis; 1 ♂, Likсна, 4.V.1997, leg. R. Cibulskis; 1 ♀, Svente, 15.VIII.1999, leg. R. Cibulskis.

D i s t r i b u t i o n : Europe, European part of Russia, Siberia.

C o m m e n t s : JACOBSON (1909: 533) recorded *G. strictula* from "Лифл. [Liflyandia]" and RATHLEF (1921: 57) from the Baltic. The material confirms the presence of this species in the fauna of Latvia.

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Zusammenfassung

Vorliegende Arbeit behandelt das Vorkommen der Gattung *Gyrophaena* MANNERHEIM 1830 (Coleoptera: Staphylinidae) in Lettland. Für 19 Arten gelang ein Nachweis, wobei *G. munsteri* STRAND 1935 nicht durch neues belegt werden konnte. Als neu für Lettland ergaben sich folgende Arten: *G. obsoleta* GANGLBAUER 1895, *G. orientalis* STRAND 1938, *G. pulchella* HEER 1839, *G. rousi* DVOŘAK 1966 und *G. williamsi* STRAND 1935. Der männliche Genitalapparat folgender Arten wurde in Form von Zeichnungen dargestellt: *G. congrua* ERICHSON 1837, *G. fasciata* (MARSHAM 1802), *G. joyioides* WÜSTHOFF 1937, *G. minima* ERICHSON 1837, *G. rousi* und *G. williamsi*.

References

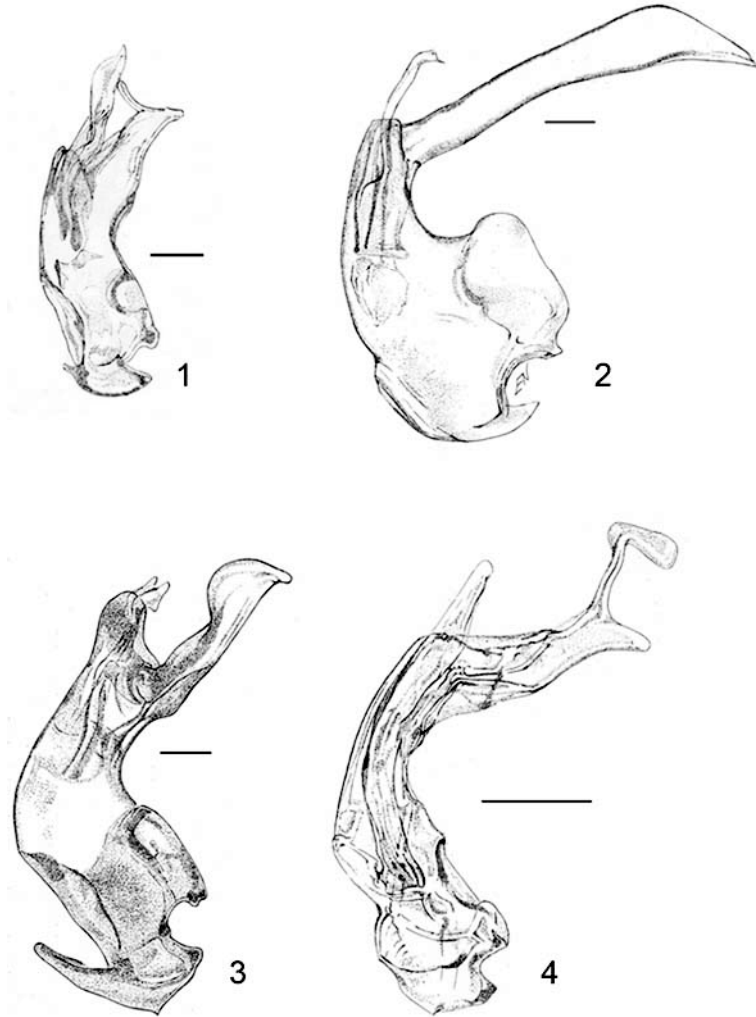
- DANKS L. (1939): Verzeichnis der in der Umgebung von Rūjiena (Lettland) 1936 gesammelten Staphyliniden. — Korrespondenzblatt des Naturforscher-Vereins zu Riga **33**: 77-82.
- ENUSHCHENKO I.V. & A.V. SHAVRIN (2011): Contribution to the knowledge of *Gyrophaena* MANNERHEIM 1830 (Coleoptera: Staphylinidae: Aleocharinae: Gyrophaenina) of the Baikal region. — Linzer biologische Beiträge **43** (2): 1199-1217.
- HEYDEN L. (1903): Beiträge zur Coleopteren-Fauna des nordwestlichen Teile Russlands. — Korrespondenzblatt des Naturforscher-Vereins zu Riga **46**: 18-35.
- JACOBSON G.G. (1909): Triba Autaliina (Bolitocharina) [Tribe Autaliina (Bolitocharina)]. Pp. 531-537. — In: Zhuki Rossii i zapadnoy Evropi [Beetles of Russia and Western Europe]. Devrien, St.-Petersburg, 1024 pp. + 83 pl. (in Russian).
- JANSSON N. (2002): Oaks, lichens and beetles on Moricsala island in Latvia – an ecological approach. Rapport 2002: 2 (Miljövärdsheten). Länsstyrelsen Östergötland. 43 p. + 17 Appendixes.

- MIKUTOWICZ J. (1905): Zur Koleopterenfauna der Ostseeprovinzen Russlands. 1. — Korrespondenzblatt des Naturforscher-Vereins zu Riga **48**: 73-92.
- RATHLEF H. (1905): Coleoptera Baltica. Käfer Verzeichnis der Ostseeprovinzen nach den Arbeiten von Ganglbauer und Reitter. — Archiv für die Naturkunde Liv-, Est- und Kurlands Serie 2. Biologische Naturkunde. Dorpat **12** (3): 1-199.
- RATHLEF H. (1921): Supplementum uz den Coleoptera Baltica. — Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Dorpat: 53-65.
- SEIDLITZ G. (1872-1875): Fauna Baltica. Die Käfer (Coleoptera) der Ostseeprovinzen Russlands. Dorpat: H. Laakmann. 4 + XLII + 142 + 560.
- SEIDLITZ G. (1887-1891): Fauna Baltica. Die Käfer (Coleoptera) der Ostseeprovinzen Russlands. — 2 Auflage. Königsberg: Hartungsche Verlagsdruckerei. 12 + LVI + 192 + 818.
- SILFVERBERG H. (1992): Enumeratio Coleopterorum Fennoscandiae, Danniae et Baltiae. Helsingin Hyönteisvaihtoyhdistys — Helsingfors Entomologiska Bytesförening: 1-94 pp.
- SILFVERBERG H. (2004): Enumeratio Coleopterorum Fennoscandiae, Danniae et Baltiae. Sahlbergia **9**: 1-111 pp.
- SMETANA A. (2004): Genus *Gyrophana* MANNERHEIM, 1830. — In: LÖBL I. & A. SMETANA (eds), Catalogue of Palearctic Coleoptera. II. Hydrophiloidea – Histeroidea – Staphylinoidea. Apollo Books, Stenstrup: 442-446.
- TELNOV D., BARSEVSKIS A., SAVICH F., KOVALEVSKY F., BERDINOV S., DORONIN M., CIBUĻSKIS R. & D. RATNIECE (1997): Check-List of Latvian Beetles (Insecta: Coleoptera). — Mitteilungen des Internationalen Entomologischen Vereins e.V., Frankfurtam Main, Suppl. V: 1-140 pp.
- TELNOV D. (2004): Check-list of Latvian beetles (Insecta: Coleoptera). — In: TELNOV D. (ed.), Compendium of Latvian Coleoptera. Volume 1. Petrovskis & Ko, Rīga: 1-114 pp.
- TELNOV D., BUKEJS A., GAILIS J., KALNIŅŠ M., NAPOLOV A. & M. SÖRENSSON (2007): Contribution to the Knowledge of Latvian Coleoptera. 6. — Latvijas entomologs **44**: 45-52.
- TELNOV D., VILKS K., PITERĀNS U., KALNIŅŠ M. & Ch. FÄGERSTRÖM (2011): Contributions to the Knowledge of Latvian Coleoptera. 9. — Latvijas entomologs **50**: 20-26.
- ULANOWSKI A. (1883). Z fauni coleoptrologicznej Inflant polskich. — Sprawozdanie Komisji Fizyograficznej **18**: 1-60 pp.
- VORST O., EE G. van, HUIBREGTS H. & A. van NIEWENHUIZEN (2007): On some Smaller Latvian Coleoptera. — Latvijas entomologs **44**: 15-25.

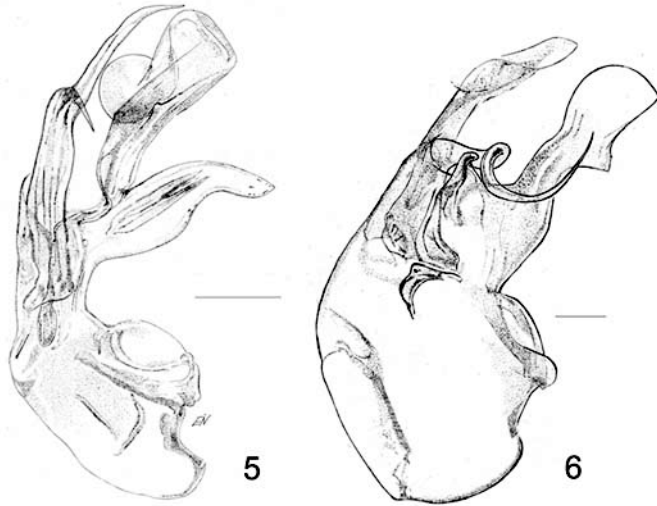
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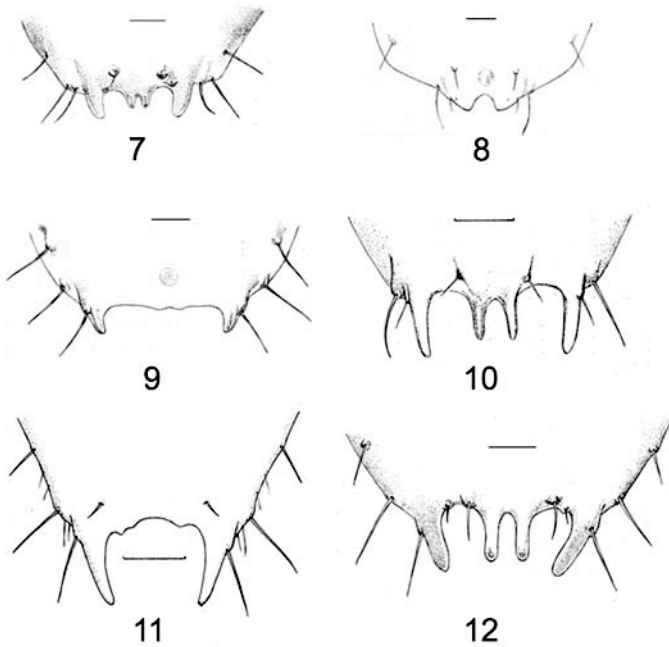
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Figs 1-4: Aedeagus of *Gyrophaena*, lateral view: (1) *G. congrua* ERICHSON (Škeļtini); (2) *G. fasciata* (MARSHAM) (Podvoloshino); (3) *G. joyioides* WÜSTHOFF (Tabore); (4) *G. minima* ERICHSON (Tabore). Scale bars: 0.05 mm.



Figs 5-6: Aedeagus of *Gyrophaena*, lateral view: (5) *G. rousi* DVOŘAK (Vabole); (6) *G. williamsi* A. STRAND (Svente). Scale bars: 0.05 mm.



Figs 7-12: Male tergites VIII of *Gyrophaena*: (7) *G. congrua* ERICHSON (Škeļtini); (8) *G. fasciata* (MARSHAM) (Podvoloshino); (9) *G. joyioides* WÜSTHOFF (Tabore); (10) *G. minima* ERICHSON (Tabore); (11) *G. rousi* DVOŘAK (Vabole); (12) *G. williamsi* A. STRAND (Svente). Scale bars: 0.05 mm.