

Harry Smit¹, David Tempelman²¹Naturalis Biodiversity Center, P. O. Box 9517, 2300 RA Leiden, Netherlands, e-mail: harry.smit@naturalis.nl²Soembawastraat 25 F, 1095 VV Amsterdam, Netherlands, e-mail: davidtempelman67@gmail.com

A CHECKLIST OF THE WATER MITES FROM BELARUS (ACARI: HYDRACHNIDIA)

A checklist is presented of all water mites species recorded from Belarus. This checklist contains old data from the literature as well as new data from several recent visits of the authors to Belarus. The following 14 water mite species are reported new for the fauna of Belarus: *Acercopsis pistillifer*, *Arrenurus berolinensis*, *Arrenurus latus*, *Arrenurus perforatus*, *Arrenurus tricuspikator*, *Barbaxonella angulata*, *Eylais rimosa*, *Hydrodroma pilosa*, *Limnesia curvipalpis*, *Limnesia undulatooides*, *Mideopsis roztoczensis*, *Mixobates processifer*, *Parathyas pachystoma* and *Piona laminata*. The checklist includes a number of very rare species, seldom found in Europe, i.e. *Atractides pavesii*, *Barbaxonella angulata* and *Arrenurus berolinensis*. Two species, i.e. *Atractides albaruthenicus* and *A. svislucensis* are (near) endemic for Belarus. The checklist tallies 185 species recorded in Belarus, in 19 families and 40 genera. It is expected that this number will increase when more research is done, especially in spring. Many spring species are absent from the end of May onwards. Moreover, more research will increase the number of rare and very rare species.

Keywords: Water Mites, genera, species, families, faunaГарри Смит¹, Дэвид Темпельман²¹Цэнтр біаразнаобраззя, П. О. Вох 9517, 2300 РА Лейден, Нідэрланды, e-mail: harry.smit@naturalis.nl²Soembawastraat 25 F, 1095 VV Амстэрдам, Нідэрланды e-mail: davidtempelman67@gmail.com

ПЕРЕЧЕНЬ ВОДЯНЫХ КЛЕЩЕЙ БЕЛАРУСИ (ACARI: HYDRACHNIDIA)

Представлен перечень всех видов водяных клещей, зарегистрированных в Беларуси. Этот перечень содержит как литературные данные, так и новые, полученные в результате нескольких недавних визитов авторов в Беларусь. 14 видов водяных клещей выявлены для фауны Беларуси впервые: *Acercopsis pistillifer*, *Arrenurus berolinensis*, *Arrenurus latus*, *Arrenurus perforatus*, *Arrenurus tricuspikator*, *Barbaxonella angulata*, *Eylais rimosa*, *Hydrodroma pilosa*, *Limnesia curvipalpis*, *Limnesia undulatooides*, *Mideopsis roztoczensis*, *Mixobates processifer*, *Parathyas pachystoma* и *Piona laminata*. Перечень включает в себя ряд очень редких видов, нечасто встречающихся в Европе, таких как *Atractides pavesii*, *Barbaxonella angulata* и *Arrenurus berolinensis*. Два вида *Atractides albaruthenicus* и *A. svislucensis* являются почти эндемичными для Беларуси. Всего перечень насчитывает 185 видов, зарегистрированных в Беларуси, входящих в 19 семейств и 40 родов. Можно предположить, что это число увеличится, когда будет проведено больше исследований, особенно в весеннее время. Многие весенние виды отсутствуют в конце мая. Более того, в результате большего числа исследований возрастет количество редких и очень редких видов.

Ключевые слова: водяные клещи, род, семейство, вид, фаунаГары Сміт¹, Дэвід Тэмпельман²¹Цэнтр біаразнастайнасці, П. О. Вох 9517, 2300 РА, Лейдэн, Нідэрланды, e-mail: harry.smit@naturalis.nl²Soembawastraat 25 F, 1095 VV, Амстэрдам, Нідэрланды, e-mail: davidtempelman67@gmail.com

ПЕРАЛІК ВАДЗЯНЫХ КЛЯШЧОЎ БЕЛАРУСІ (ACARI: HYDRACHNIDIA)

У артыкуле паведамляецца пра 14 новых відаў вадзяных кляшчоў для фаўны Беларусі: *Acercopsis pistillifer*, *Arrenurus berolinensis*, *Arrenurus latus*, *Arrenurus perforatus*, *Arrenurus tricuspikator*, *Barbaxonella angulata*, *Eylais rimosa*, *Hydrodroma pilosa*, *Limnesia curvipalpis*, *Limnesia undulatooides*, *Mideopsis roztoczensis*, *Mixobates processifer*, *Parathyas pachystoma* і *Piona laminata*. У пераліку прыводзяцца звесткі аб 185 відах, адзначаных у Беларусі.

Ключавыя словы: вадзяныя кляшчы, род, сямейства, від, фаўна

Introduction. The study of the water mites in Belarus is of recent origin. Koplan-Diks & Stravinskaja (1980) were the first to publish a number of water mites from Belarussian lakes. However, most publications are from Polish acarologists, especially those of Biesiadka and co-workers (see reference list).

This checklist is compiled from the literature and collections by the authors in Berezinsky Biosphere Reserve and Narochansky National Park (2015), the Prypyat River and its surroundings (1998–2000,

2016) and the Belovezhskaya Pushcha National Park (2017). The checklist tallies 185 species. Very likely more species can be found when collecting is done earlier in the year. Many spring species are absent from the end of May onwards.

Methods and materials. All material is lodged in the Naturalis Biodiversity Center (Leiden). The systematics of Di Sabatino et al. (2007), Davids et al. (2010) and Gerecke et al. (2016) is followed. The following abbreviations are used: asl = above sea level; NP = National Park. When only two references were known for a species, additional records are presented.

Systematic part

Family Hydrachnidae

Excluded as species incertae: *Hydrachna inermis* Piersig, 1895.

***Hydrachna comosa* Koenike, 1896**

Biesiadka et al. 1998: 205 [10].

***Hydrachna conjecta* Koenike, 1895**

Biesiadka et al. 2004a: 147 [5].

***Hydrachna crassipalpis* Piersig, 1897**

Biesiadka et al. 1998: 205 [10]. Syn.: *Hydrachna bivirgulata* Piersig, 1897: Biesiadka et al. 2004a: 147 [5].

***Hydrachna cruenta* Müller, 1776**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 147 [5].

***Hydrachna geographica* Müller, 1776**

Biesiadka et al. 2004a: 147 [5].

***Hydrachna globosa* (De Geer, 1778)**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 147 [5]; Biesiadka et al. 2004b: 87 [9].

Syn.: *Hydrachna gallica* Thor, 1916: Biesiadka et al. 2004a: 147 [5].

***Hydrachna goldfeldi* Thor, 1916**

Biesiadka et al. 1998: 205 [10].

***Hydrachna incognita* (Wainstein, 1976)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004b: 87 [9]; Davids et al. 2005 [12].

***Hydrachna leegei* Koenike, 1895**

Biesiadka et al. 2004a: 147 [5].

***Hydrachna processifera* Koenike, 1903**

Biesiadka et al. 2003b: 89 [8].

Family Limnocharidae

***Limnocharis aquatica* (Linnaeus, 1758)**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 147 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 74 [4].

Family Eylaidae

Excluded as species incertae: *Eylais emarginata* Piersig, 1899 – Davids et al. (2005).

***Eylais bisinuosa* Piersig, 1899**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 147 [5]; Biesiadka & Cichocka 2001: 74 [4].

***Eylais extendens* (Müller, 1776)**

Biesiadka et al. 2004a: 147 [5]. Syn.: ? *Eylais glubokensis* Udalov, 1907: Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]. *Eylais mosquensis* Croneberg, 1899: Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7]. *Eylais mulleri* Koenike, 1897: Mukhin & Moroz 1997: 108 [17]. *Eylais rimosa* Piersig, 1899: Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9]. *Eylais soari* Piersig, 1899: Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]. *Eylais undulosa* Koenike, 1897: Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5].

***Eylais hamata* Koenike, 1897**

Biesiadka et al. 2001b: 106; Biesiadka et al. 2004a: 147 [5].

***Eylais koenikei* Halbert, 1903**

Biesiadka et al. 2001a: 111 [2].

***Eylais mutila* Koenike, 1897**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5].

***Eylais relicta* Halbert, 1911**

Biesiadka et al. 2004a: 148 [5].

***Eylais rimosa* Piersig, 1899**

New for Belarus

New record. 2/2/0, Lake Olshica, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 51.739 N 28° 23.549 E, alt. 160 m asl.

***Eylais setosa* Koenike, 1897**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Eylais tantilla* Koenike, 1897**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Eylais triarcuata* Piersig, 1899**

Biesiadka et al. 2003a: 400 [7].

***Eylais tullgreni* Thor, 1899**

Biesiadka et al. 1998: 205; Biesiadka et al. 2004a: 148 [5].

New record. 0/3/0, Swamp near Nekaseck, Narochansky NP, 12-vii-2015, 54° 53.397 N 27° 00.145 E, alt. 170 m asl.

Family Hydrodromidae

***Hydrodroma despiciens* (Müller, 1776)**

Koplan-Dix & Stravinskaja 1980: 95 [15]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9]. *Diplodontus despiciens* Müller, 1776: Mukhin & Moroz 1997: 109 [17].

New records. 1/0, Lake Lyadskoe, Belovezhskaya Pushcha NP, 8-vi-2017, 52° 37.726 N 23° 51.583 E, alt. 155 m asl; 4/0, Canal N of Kliepacy, Belovezhskaya Pushcha NP, 9-vi-2017, 52° 45.006 N 24° 24.027 E, alt. 162 m asl.

Remarks. All previous records were a mixture of *H. despiciens* and *H. pilosa*, the records presented here are the first records of *H. despiciens*.

***Hydrodroma pilosa* Besseling, 1940**

New for Belarus

New records. 2/0, Lake Plavno, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 48.552 N 28° 25.431 E, alt. 164 m asl; 1/0, Lake Manets, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 46.590 N 28° 22.329 E, alt. 165 m a.s.l.; 8/0, Lake Olshica, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 51.739 N 28° 23.549 E, alt. 160 m asl; 1/0, River Berezina, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 46.356 N 28° 12.788 E, alt. 161 m asl; 1/0, Blue Lake, Narochansky NP, 11-vii-2015, 54° 57.907 N 26° 22.634 E, alt. 161 m asl; 0/1, River Naratsjanka, Narochansky NP, 14-vii-2015, 54° 46.280 N 26° 51.436 E, alt. 173 m asl; 1/0, Oxbow pond near bridge road R88, Turov, 5-vi-2016, 52° 04.355 N 27° 49.530 E; 3/0, Branch of Prypyat River, Turov, 5-vi-2016, 52° 04.565 N 27° 43.825 E; 3/0, Lake Zabok, 7-vi-2016, 52° 06.568 N 28° 11.802 E; 1/0, Lake near River Sluch, 10-vi-2016; 52° 14.095 N 27° 33.311 E, alt. 112 m; 6/0, Small lake near Soligorsk, 11-vi-2016, 52° 44.798 N 27° 28.825 E, alt. 144 m asl; 2/0, Fish pond near Voitov Most, Belovezhskaya Pushcha NP, 5-vi-2017, 52° 50.542 N 24° 15.646 E, alt. 164 m asl.

Remark. Not separated from *H. despiciens* in the past, so previous records of the latter species refer to both species.

***Hydrodroma torrenticola* (Walter, 1908)**

Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

Family Hydryphantidae

Excluded as *species incerta: Hydryphantes bayeri* Písařovic, 1896 – Di Sabatino et al. (2010).

***Hydryphantes crassipalpis* Koenike, 1914**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6].

***Hydryphantes dispar* (Von Schaub, 1888)**

Biesiadka et al. 2004a: 148 [5].

New records. 1/0, Lake Olshica, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 51.739 N 28° 23.549 E, alt. 160 m asl; 1/0, Lake Lyadskoe, Belovezhskaya Pushcha NP, 8-vi-2017, 52° 37.726 N 23° 51.583 E, alt. 155 m asl.

***Hydryphantes octoporus* Koenike, 1896**

Biesiadka et al. 2001a: 111 [2]. Syn.: *Hydryphantes thoni* Piersig, 1900: Biesiadka et al. 2004a: 148 [5].

***Hydryphantes placationis* Thon, 1899**

Biesiadka et al. 2004a: 148 [5].

***Hydryphantes planus* Thon, 1899**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Hydryphantes ruber* (De Geer, 1778)**

Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Hydryphantes tenuipalpis* Thon, 1899**

Biesiadka et al. 1998: 205 [10].

***Paninus michaeli* Koenike, 1896**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

***Parathyas pachystoma* (Koenike, 1914)**

New for Belarus

New record. Forest pond with *Hottonia*, Belovezhskaya Pushcha NP, 9-vi-2017, 52° 44.588 N 24° 15.718 E, alt. 199 m asl.

***Parathyas rivalis* (Koenike, 1912)**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

***Thyopsis cancellata* (Protz, 1896)**

Biesiadka et al. 2004a: 148 [5].

Family Spermantidae

***Sperchon clupeifer* Piersig, 1896**

Biesiadka et al. 2004a: 148 [5].

New record. 1/1/0, Ruzhanka stream, Belovezhskaya Pushcha NP, 6-vi-2017, 52° 53.359 N 24° 52.228 E, alt. 140 asl.

***Sperchon compactilis* Koenike, 1911**

Biesiadka et al. 2004a: 148 [5].

***Sperchon glandulosus* Koenike, 1886**

Nesterovich 1996: 81 [18].

***Sperchon papillosus* Thor, 1901**

Biesiadka et al. 2004a: 148 [5].

***Sperchon resupinus* Viets, 1922**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18]; Biesiadka et al. 2004a: 148 [5].

***Sperchon setiger* Thor, 1898**

Biesiadka et al. 2004a: 148 [5].

Sperchon squamosus

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18]; Biesiadka et al. 2004a: 148 [5].

Sperchon thienemanni

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18]; Biesiadka et al. 2004a: 148 [5].

***Sperchonopsis verrucosa* (Protz, 1896)**

Biesiadka et al. 2004a: 148 [5].

New record. 0/1/0, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.

Family Teutoniidae

***Teutonia cometes* (Koch, 1837)**

Biesiadka et al. 2004a: 148 [5].

Family Lebertiidae

Excluded as *species incerta*: *Lebertia dresdensis* Viets, 1928; *Lebertia pulchella* Viets, 1925 – Gerecke (2009).***Lebertia crenophila* Viets, 1920**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

***Lebertia dubia* Thor, 1899**

Biesiadka & Cichocka 2001: 74 [4].

***Lebertia fimbriata* Thor, 1899**

Biesiadka et al. 2004a: 148 [5].

Lebertia glabra* Thor, 1897**Syn.: *Lebertia lineata* Thor, 1906; Nesterovich 1996: 81 [14]; Biesiadka et al. 2004b: 87 [9].Lebertia holsatica* Viets, 1920**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

Lebertia inaequalis* (Koch, 1837)**Biesiadka et al. 2004a: 148 [5]. Syn.: *Lebertia exuta* Koenike, 1908; Biesiadka et al. 2004a: 148 [5].Lebertia insignis* Neuman, 1880**

Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 74 [4].

Lebertia glabra* Thor, 1897**Syn.: *Lebertia lineata* Thor, 1906; Biesiadka et al. 2004b: 87 [9].Lebertia oblonga* Koenike, 1911**Syn.: *Lebertia shadini* Sokolow, 1940; Biesiadka et al. 2004a: 148 [5].***Lebertia oudemansi* Koenike, 1898**Syn.: *Lebertia tschernowskii* Sokolov, 1930; Nesterovich 1996: 81 [18].***Lebertia pilosa* Maglio, 1924**

Biesiadka et al. 2004a: 148 [5].

***Lebertia porosa* Thor, 1900**Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2004a: 148 [5]. Syn.: *Lebertia violacea* Viets, 1921; Biesiadka et al. 2004a: 148 [5].

New records. 0/1/0, Lake Myadel, Narochansky NP, 12-vii-2015, 54° 55.688 N 25° 54.259 E, alt. 165 m asl; 6/3/0, Lake Myastro, near Hiriny, 12-vii-2015, 54° 53.185 N 26° 53.900 E, alt. 164 m asl; 6/2/0, Lake Beloe, 10-vi-2016, 52° 22.334 N 26° 38.559 E, alt. 143 m asl.

Remark. *Lebertia porosa* is found usually in lowland streams. Lake Beloe is a nutrient-poor lake.***Lebertia rivulorum* Viets, 1933**

Biesiadka et al. 2004a: 148 [5].

***Lebertia sefvei* Walter, 1911**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

Lebertia stigmatifera

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

Family Oxidae

***Oxus longisetus* (Berlese, 1885)**

Biesiadka et al. 2002: 34 [6].

***Oxus musculus* (Müller, 1776)**

Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 2004a: 148 [5].

***Oxus nodigerus* Koenike, 1898**

Mukhin & Moroz 1997: 109 [17].

***Oxus ovalis* (Müller, 1776)**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5].

***Oxus strigatus* (Müller, 1776)**

Biesiadka et al. 2004a: 148 [5].

New record. 1/0, Lake Olshica, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 51.739 N 28° 23.549 E, alt. 160 m asl.

Family Torrenticolidae

***Torrenticola amplexa* (Koenike, 1908)**

Biesiadka et al. 2004a: 148 [5]; Biesiadka & Cichocka 2001: 74 [4].

New records. 1/1/0, Small stream, Narochansky NP, 11-vii-2015, 54° 57.496 N 26° 22.644 E, alt. 182 m asl; 6/10/1, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.

Family Limnesiidae

***Limnesia connata* Koenike, 1895**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Limnesia curvipalpis* Tuzovskij, 1997**

New for Belarus

New records. 0/2/0, Lake Plavno, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 48.552 N 28° 25.431 E, alt. 164 m asl; 1/0/0, Lake Manets, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 46.590 N 28° 22.329 E, alt. 165 m a.s.l.; 0/2/0, Small lake near Soligorsk, 11-vi-2016, 52° 44.798 N 27° 28.825 E, alt. 144 m asl.

***Limnesia fulgida* Koch, 1836**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 148 [5].

***Limnesia koenikei* Piersig, 1894**

Biesiadka et al. 2004a: 148 [5]; Biesiadka & Cichocka 2001: 74 [4].

***Limnesia maculata* (Müller, 1776)**

Koplan-Dix & Stravinskaja 1980: 95 [15]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9].

***Limnesia polonica* Schechtel, 1910**

Mukhin & Moroz 1997: 109 [17]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2004a: 148 [5].

***Limnesia undulata* (Müller, 1776)**

Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 74 [4].

New records. 3/2/0, Lake Naroch, Narochansky NP, 10-vii-2015, 54° 54.384 N 26° 42.445 E, alt. 169 m asl; 0/1/0, Lake Myadel, Narochansky NP, 12-vii-2015, 54° 55.688 N 25° 54.259 E, alt. 165 m asl; 2/2/0, Oxbow pond near bridge road R88, Turov, 5-vi-2016, 52° 04.355 N 27° 49.530 E; 1/1/0, Small lake SE of Lyaskavichy, S of Prypyat River, 6-vi-2016, 52° 06.568 N 28° 11.802 E.

Remark. In the past not separated from *Limnesia undulatooides*.

***Limnesia undulatooides* Davids, 1997**

New for Belarus

New record. Lake Naroch, Narochansky NP, 10-vii-2015, 54° 54.384 N 26° 42.445 E, alt. 169 m asl.

Family Hygrobatidae

Excluded as *species incerta*: *Hygrobates porrectus* Koenike, 1908 – Gerecke et al.(2016).

***Atractides distans* (Viets, 1914)**

Biesiadka & Cichocka 2001: 74 [4].

New record. 0/2/0, River Naratsjanka, Narochansky NP, 14-vii-2015, 54° 46.280 N 26° 51.436 E, alt. 173 m asl.

***Atractides fonticolus* (Viets, 1920)**

Biesiadka et al. 2004a: 149 [5].

***Atractides albaruthenicus* Cichocka & Biesiadka, 2013**

Cichocka & Biesiadka 2013: 254 [11]. Syn.: *Atractides nodipalpis* – err., non Thor, 1899: Biesiadka et al. 2004a: 149 [5].

New record. 13/18/0, River Pulva, W of Dabrovolia, Belovezhskaya Pushcha NP, 7-vi-2017, 52° 21.948 N 23° 22.345 E, alt. 152 m asl.

Remark. Cichocka & Biesiadka (2013) reported the species from the River Svisloč only, and here a second location is reported.

***Atractides ovalis* Koenike, 1883**

Biesiadka et al. 2004a: 149 [5]; Biesiadka & Cichocka 2001: 74 [4].

New records. 0/1/0, Pripjat lake, 1-vi-1999, 52° 1.466 N, 27° 33.137 E; 0/1/0, Lake Myastro, near Hiriny, 12-vii-2015, 54° 53.185 N 26° 53.900 E, alt. 164 m asl; 1/1/0, River Narevka, 8-vi-2017, 52° 40.523 N 23° 56.305 E, alt. 149 m asl.

***Atractides nodipalpis* (Thor, 1899)**

Biesiadka et al. 2001b: 106 [3].

New records. 0/1/0, River Berezina, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 46.356 N 28° 12.788 E, alt. 161 m asl; 22/22/3, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.

***Atractides pavesii* Maglio, 1905**

Biesiadka et al. 2004a: 149 [5].

***Atractides svilocensis* Cichocka & Biesiadka, 2013**

Cichocka & Biesiadka 2013: 258 [11]. Syn. *Atractides spinipes* – err. non Koch, 1837: Biesiadka et al. 2004a: 149 [5].

***Hygrobates calliger* Piersig, 1896**

Biesiadka et al. 2004a: 148 [5].

New record. 2/5/0, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.

***Hygrobates fluviatilis* (Ström, 1768)**

Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2004a: 148 [5].

***Hygrobates longipalpis* (Hermann, 1804)**

Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 148 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 74 [4].

***Hygrobates longiporus* Thor, 1898**

Biesiadka et al. 2004a: 148 [5].

***Hygrobates nigromaculatus* Lebert, 1879**

Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2004a: 148 [5].

***Hygrobates norvegicus* (Thor, 1897)**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

***Hygrobates trigonicus* Koenike, 1896**

Biesiadka et al. 2004a: 148 [5].

***Mixobates processifer* (Thor, 1905)**

New for Belarus

New record. 1/0/0, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.

Family Unionicolidae

***Neumania deltooides* (Piersig, 1894)**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7].

***Neumania imitata* Koenike, 1908**

Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 75 [4].

- Neumania limosa* (Koch, 1836)**
Nesterovich 1996: 81 [18]; Biesiadka et al. 2004a: 149 [5].
- Neumania papillosa* (Soar, 1902)**
Biesiadka et al. 2001b: 106 [3].
- Neumania vernalis* (Müller, 1776)**
Koplan-Dix & Stravinskaja 1980: 95 [15]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5].
- Unionicola aculeata* (Koenike, 1890)**
Biesiadka et al. 2004a: 149 [5].
- Unionicola crassipes* (Müller, 1776)**
Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Unionicola gracilipalpis* (Viets, 1908)**
Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Unionicola figuralis* (Koch, 1836)**
Biesiadka et al. 2003a: 400 [7].
- Unionicola inusitata* Koenike, 1914**
Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2004a: 149 [5].
- Unionicola minor* (Soar, 1900)**
Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 75 [4].
- Unionicola parvipora* Lundblad, 1920**
Biesiadka et al. 1998: 205 [10].
Family Pionidae
- Acercopsis pistillifer* (Koenike, 1908)**
New for Belarus
New record. 0/3/0, Alnus-carr, Belovezhskaya Pushcha NP, 9-vi-2017, 52° 44.660 N 24° 15.613 E, alt. 170 m asl.
- Forelia brevipes* (Neuman, 1880)**
Biesiadka et al. 2004a: 149 [5].
- Forelia liliacea* (Müller, 1776)**
Koplan-Dix & Stravinskaja 1980: 95 [15]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7].
- Forelia spatulifera* (Marucci, 1907)**
Biesiadka & Cichocka 2001: 75 [4].
- Forelia variegator* (Koch, 1837)**
Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2004a: 149 [5].
- Hydrochoreutes krameri* Piersig, 1896**
Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5].
- Piona alpicola* (Neuman, 1880)**
Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona carnea* (Koch, 1836)**
Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8].
- Piona clavicornis* (Müller, 1776)**
Biesiadka et al. 2004a: 149 [5].
- Piona coccinea* (Koch, 1836)**
Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona conglobata* (Koch, 1836)**
Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona disparilis* (Koenike, 1895)**
Biesiadka et al. 2004b: 87 [9].
- Piona dispersa* Sokolow, 1926**
Nesterovich 1996: 81 [18]; Biesiadka et al. 2001a: 111 [2].
- Piona imminuta* (Piersig, 1897)**
Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona laminata* (Thor, 1900)**
New for Belarus
New records. 0/1/0, Forest stream with *Calla*, Jekaterina Forest, Prov. Homiel, 8-vi-2016, 52° 00.205 N 27° 51.318 E, alt. 129 m asl; 0/1/0, Hottonia-ditch, Belovezhskaya Pushcha NP, 5-vi-2017, 52° 50.479 N 24° 11.391 E, alt. 147 m asl.
- Piona longipalpis* (Krendowskij, 1878)**
Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona neumani* (Koenike, 1883)**
Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona nodata* (Müller, 1776)**
Mukhin & Moroz 1997: 109 [17]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Piona obturbans* (Piersig, 1896)**
Biesiadka et al. 2003a: 400 [7].
New records. 0/1/0, Small lake near Soligorsk, 11-vi-2016, 52° 44.798 N 27° 28.825 E, alt. 144 m asl; 3/8/0, Hottonia-ditch, Belovezhskaya Pushcha NP, 8-vi-2017, 52° 37.366 N 23° 51.592 E, alt. 178 m asl.

- Piona pusilla* (Neuman, 1875)**
 Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5].
- Piona rotundoides* (Thor, 1897)**
 Koplan-Dix & Stravinskaja 1980: 95 [15].
 New records. 0/1/0, Lake Myastro, near Hiriny, 12-vii-2015, 54° 53.185 N 26° 53.900 E, alt. 164 m asl; 0/2/0, Lake Beloe, 10-vi-2016, 52° 22.334 N 26° 38.559 E, alt. 143 m asl.
- Piona stjordalensis* (Thor, 1897)**
 Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 (laps.: *P. stjurdalensis*) [9].
- Piona variabilis* (Koch, 1836)**
 Mukhin & Moroz 1997: 109 [17]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Pionacercus uncinatus* (Koenike, 1885)**
 Biesiadka et al. 1998: 205 [10].
- Pionides ensifer* Koenike, 1895**
 Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5].
- Pionopsis lutescens* (Hermann, 1804)**
 Mukhin & Moroz 1997: 109 [17]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].
- Tiphys bullatus* (Thor, 1899)**
 Mukhin & Moroz 1997: 109 [17]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2004a: 149 [5].
- Tiphys latipes* (Müller, 1776)**
 Biesiadka et al. 2004a: 149 [5]. Syn.: *Acercus latipes* (Müller, 1776): Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004b: 87 [9].
- Tiphys scaurus* (Koenike, 1892)**
 Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2001a: 111 [2]. *Acercus scaurus* (Koenike, 1892): Mukhin & Moroz 1997: 109 [17].
- Tiphys torris* (Müller, 1776)**
 Biesiadka et al. 2003b: 90 [8].
 Family Wettinidae
- Wettina podagrica* (Koch, 1837)**
 Biesiadka et al. 2004a: 149 [5].
 Family Aturidae
- Albia stationis* Thon, 1899**
 Biesiadka et al. 2004a: 149 [5].
- Aturus scaber* Kramer, 1875**
 Biesiadka et al. 2004a: 149 [5].
 New record. 0/1/0, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.
- Axonopsis complanata* (Müller, 1776)**
 Biesiadka et al. 2004a: 149 [5].
- Barbaxonella angulata* (Viets, 1955)**
 New for Belarus
 New record. 1/1/0, River Stracha, near Olshevo, Narochansky NP, 11-vii-2015, 54° 57.093 N 26° 22.114 E, alt. 175 m asl.
- Brachypoda versicolor* (Müller, 1776)**
 Biesiadka et al. 2003a: 400 [7]; Biesiadka et al. 2004a: 149 [5].
- Hexaxonopsis serrata* (Walter, 1928)**
 Biesiadka et al. 2004a: 149 [5].
- Parabrachypoda modesta* (Koenike, 1911)**
 Biesiadka et al. 2004a: 149 [5].
- Parabrachypoda montii* (Maglio, 1924)**
 Biesiadka et al. 2004a: 149 [5].
 Family Mideidae
- Midea orbiculata* (Müller, 1776)**
 Biesiadka et al. 2004a: 149 [5].
 New record. 0/1/0, Hottonia-ditch, Belovezhskaya Pushcha NP, 8-vi-2017, 52° 37.366 N 23° 51.592 E, alt. 178 m asl.
 Family Mideopsidae
- Mideopsis crassipes* Soar, 1904**
 Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 75 [4].
- Mideopsis orbicularis* (Müller, 1776)**
 Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2001b: 106 [3]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 75 [4].
- Mideopsis roztoczensis* Biesiadka & Kowalik, 1979**
 New for Belarus
 New record. 0/1/0, River Berezina, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 46.356 N 28° 12.788 E, alt. 161 m asl.
- Xystonotus willmanni* Viets, 1920**
 Biesiadka et al. 2004a: 149 [5].
 Family Arrenuridae
- Arrenurus affinis* Koenike, 1887**
 Biesiadka et al. 2003a: 401 [7].
- Arrenurus albator* (Müller, 1776)**
 Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus batillifer* Koenike, 1896**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus berolinensis* Protz, 1896**

New for Belarus

New record. 1/0/0, Swamp near River Narev, Belovezhskaya Pushcha National park, 9-vi-2017, 52° 44.987 N 24° 17.134 E, alt. 159 m asl.

Remarks. *Arrenurus berolinensis* is a very rare species. It was described originally from an area near Berlin (Protz 1896), and subsequently reported from Eastern Prussia, nowadays Kaliningrad (Viets 1911), the Netherland (Smit et al. 2007) and Turkey (Aşçi et al. 2014).

***Arrenurus bicuspikator* Berlese, 1885**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus bifidicodulus* Piersig, 1897**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus biscissus* Lebert, 1879**

Biesiadka et al. 2004a: 149 [5].

***Arrenurus bisulcicodulus* Piersig, 1892**

Biesiadka et al. 2004a: 149 [5].

New records. 1/0/0, Sedge pond along Serguch River, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 08.635 N 28° 15.764 E, alt. 171 m asl; 3/0/0, Alnus-carr, Belovezhskaya Pushcha NP, 9-vi-2017, 52° 44.660 N 24° 15.613 E, alt. 170 m asl.

***Arrenurus bruzelii* Koenike, 1885**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004b: 87 [9].

Remark. All our specimens are coloured reddish-brown, while in western Europe they are green.

***Arrenurus buccinator* (Müller, 1776)**

Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus claviger* Koenike, 1885**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus compactus* Piersig, 1894**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus conicus* Piersig, 1894**

Khmeleva et al. 1994: 80 [14]; Nesterovich 1996: 81 [18].

***Arrenurus crassicaudatus* Kramer, 1875**

Koplan-Dix & Stravinskaja 1980: 94 [15]; Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus cuspidifer* Piersig, 1894**

Biesiadka et al. 2003a: 401 [7].

***Arrenurus cuspidator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus cylindratus* Piersig, 1896**

Nesterovich 1996: 81 [18].

***Arrenurus fimbriatus* Koenike, 1885**

Biesiadka et al. 2002: 34 [6].

New record. 1/0/0, Small lake near Soligorsk, 11-vi-2016, 52° 44.798 N 27° 28.825 E, alt. 144 m asl.

***Arrenurus forpicatus* Neuman, 1880**

Biesiadka et al. 2004b: 87 [9].

New record. 1/0/0, Lake Omezja, Narochansky NP, 11-vii-2015, 54° 57.205 N 26° 22.737 E, alt. 164 m asl.

***Arrenurus globator* (Müller, 1776)**

Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 149 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus inexploratus* Viets, 1930**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 149 [5].

***Arrenurus integrator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 150 [5].

***Arrenurus knauthi* Koenike, 1895**

Biesiadka et al. 2004a: 150 [5].

New record. Reedland near Lake Lubanskoje, 11-vi-2016, 52° 52.622 N 28° 00.677 E, alt. 139 m asl.

***Arrenurus latus* Barrois & Moniez, 1887**

New for Belarus

New record. 0/4/0, Lake Plavno, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 48.552 N 28° 25.431 E, alt. 164 m asl; 0/1/0, Lake Zabok, 7-vi-2016, 52° 06.085 N 28° 16.508 E, alt. 114 m asl.

***Arrenurus maculator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2003b: 90 [8]; Biesiadka et al. 2004a: 150 [5].

***Arrenurus neumani* Piersig, 1895**

Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus nodosus* Koenike, 1896**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 401 [7].

***Arrenurus papillator* (Müller, 1776)**

Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus perforatus* George, 1881**

New for Belarus

New record. 0/2/0, Small lake SE of Lyaskavichi, S of Prypyat River, 6-vi-2016, 52° 06.568 N 28° 11.802 E.

***Arrenurus pugionifer* Koenike, 1908**

Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus pustulator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus radiatus* Piersig, 1894**

Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9].

***Arrenurus sinuator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2003a: 401 [7]; Biesiadka et al. 2004a: 150 [5]; Biesiadka & Cichocka 2001: 75 [4].

***Arrenurus stecki* Koenike, 1894**

Biesiadka et al. 1998: 205 [10]; Biesiadka et al. 2002: 34 [6].

New records. 1/0/0, Lake Muertvoe, Narochansky NP, 11-vii-2015, 54° 57.948 N 26° 22.455 E, alt. 161 m asl; 1/0/0, Beaver pond along road H9201, E of Myadzyed, Narochansky NP, 12-vii-2015, 54° 52.755 N 26° 59.133 E, alt. 170 m asl; 0/3/0, Forest stream with *Calla*, Jekaterina Forest, province Homiel, 8-vi-2016, 52° 00.205 N 27° 51.318 E, alt. 129 m asl.

***Arrenurus tetracyphus* Piersig, 1894**

Biesiadka et al. 2003b: 90 [8].

New record. 6/0/0, Pripyat lake, 20-vi-1998, 52° 02.623 N, 27° 24.323 E; 1/0, Pripyat lake, 25-vi-2000, 52° 2.417 N 27° 24.669 E; 1/0, Pripyat lake, 24-vi-2000, 52° 2.624 N, 27° 24.330 E.

***Arrenurus tricuspikator* (Müller, 1776)**

New for Belarus.

New records. 1/0/0, Lake Plavno, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 48.552 N 28° 25.431 E, alt. 164 m asl; 2/2/0, River Buzianka, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 44.344 N 28° 19.999 E, alt. 161 m asl; 1/0/0, Lake Olshica, Berezinsky Biosphere Reserve, 9-vii-2015, 54° 51.739 N 28° 23.549 E, alt. 160 m asl; 1/11/0, Small lake SE of Lysaskavichy, S of Prypyat River, 6-vi-2016, 52° 06.568 N 28° 11.802 E.

***Arrenurus truncatellus* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 150 [5].

***Arrenurus tubulator* (Müller, 1776)**

Biesiadka et al. 2001a: 111 [2]; Biesiadka et al. 2002: 34 [6]; Biesiadka et al. 2004a: 150 [5]; Biesiadka et al. 2004b: 87 [9]; Biesiadka & Cichocka 2001: 75 [4].

***Arrenurus virens* Neuman, 1880**

Biesiadka et al. 2004b: 87 [9].

New records. 2/0/0, Lake Manets, Berezinsky Biosphere Reserve, 8-vii-2015, 54° 46.590 N 28° 22.329 E, alt. 165 m a.s.l.; 5/3/0, Beaver pond along road H9201, E of Myadzyed, Narochansky NP, 12-vii-2015, 54° 52.755 N 26° 59.133 E, alt. 170 m asl; 1/6/0, Swamp near Nekaseck, Narochansky NP, 12-vii-2015, 54° 53.397 N 27° 00.145 E, alt. 170 m a.s.l.; 1/9/0, Pool near Simonovichskaya Rudnyov, 8-vi-2016, 51° 55.388 N 28° 07.392 E, alt. 129 m asl.

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