AN EXTENDED LIST OF FANNIIDAE AND MUSCIDAE (DIPTERA) OF BELARUS

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Abstract. This is our second article dedicated to the fauna of Fanniidae and Muscidae of Belarus. In the first article (Makovetskaya, Vikhrev 2019), we summarized the literature data and studied the materials of museum collections of Belarus and Russia. The present work is based upon material collected during the field season of 2019. Now we offer an extended list of Fanniidae and Muscidae of Belarus, which includes 175 species. 50 species are recorded for the first time in Belarus (these are 7 species of Fanniidae and 44 of Muscidae).

Keywords: fauna, Belarus, Fanniidae, Muscidae.

Сведения об авторах

Аннотация. Это вторая статья, посвященная фауне Fanniidae и Muscidae Беларуси. В первой статье (Makovetskaya, Vikhrev 2019) мы обобщили литературные данные и изучили материалы музеинских коллекций Беларуси и России. Настоящая работа является результатом обработки материала, собранного в течение полевого сезона 2019 г. Теперь мы предлагаем расширенный список Fanniidae и Muscidae Беларуси, состоящий из 175 видов. Мы добавили к белорусской фауне 50 видов (7 видов Fanniidae и 44 вида Muscidae), впервые зарегистрированных для этой страны.

Ключевые слова: фауна, Беларусь, Fanniidae, Muscidae.
INTRODUCTION

Recently we published a preliminary list of the Fanniidae and Muscidae (Diptera) of Belarus (Makovetskaya, Vikhrev 2019). In that paper we shortly described the history of exploration of the Belarusian fauna of Fanniidae and Muscidae, reviewed the sources of information on the fauna of Belarus and studied the materials of museum collections of Belarus and Russia.

In the field season of 2019, we did our best to extend the list. We tried to examine the remote Belarusian localities on North-South and West-East axes. It seems that our main omission is the absence of material from South-West of Belarus, i.e. the vicinity of Brest. Collecting sites in Belarus in 2019 are shown in Fig. 1 by red spots. We visited the city of Mozyr several times and naturally, we examined several sites near Mozyr; Fig. 2 shows these sites in small red spots. We believe that it is not necessary to list all these points separately. A broken poplar or a grazing horse nearby affects the insect fauna more than the distance of 5 kms between the extreme points. Thus, the vicinity of Mozyr is listed below as a single locality (shown as a large red spot in Fig. 2) at 52.04° N 29.32° E.

The result of our exploration is 7 species of Fanniidae and 44 of Muscidae newly recorded from Belarus (these species are marked below as “NEW”).

Besides these new country records, data on species already known from Belarus is also included in the paper. We consider that useful, because most previous records belong to the 19th or 20th centuries and have never been confirmed since, while others were taken from sources that require verification of identifications. Additionally, collecting localities on the territory of Belarus were unknown or dubious for many species.

We hope to continue working on the fauna of this beautiful country, but so far, we offer an extended list of 175 Belarusian Fanniidae (21) and Muscidae (154).

MATERIAL AND METHODS

The classification follows that in Pont (1986) but also includes more recent changes. Synonyms are only given for names that are used in the faunistic references cited in the paper. Suprageneric taxa (subfamilies and tribes) are arranged in systematic order. Names of genera are arranged as in Pont (1986), and species are listed alphabetically within each genus.

Geographical coordinates are given in the decimal degrees.

Figs. 1–2. 1 — collecting localities (2019) on the map of Belarus; 2 — surveyed sites near Mozyr on a large-scale map

Рис. 1–2. 1 — места отлова (за 2019 г.) на карте Беларуси; 2 — обследованные участки около Мозыря на крупномасштабной карте
The specimens collected during the field season of 2019 are deposited either in Zoological Museum of Moscow University, Russia (those collected by N. Vikhrev and M. Yanbulat) or in Scientific and Practical Center for Bioresources, Minsk, Belarus (those from E. Makovetskaya and other collectors).

**LIST OF THE FANNIIDAE AND MUSCIDAE (DIPTERA) OF BELARUS**

**FAMILY FANNIIDAE**

1. **Fannia armata** (Meigen, 1826)
   **Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev, 2♂; E. Makovetskaya, 2♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 3♂; Mogilev reg.: Byalynichy distr., Moshchanskie env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 1♂; Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 4♂.

2. **Fannia canicularis** (Linnaeus, 1761)
   **Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 6♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂; 11–14 June 2019, E. Makovetskaya, 2♂; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 2♂.

3. **Fannia carbonaria** (Meigen, 1826)

4. **Fannia corvina** (Verrall, 1892)
   **Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev, 5♂; E. Makovetskaya, 4♂; Mogilev reg.: Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 7♂.

5. **Fannia fuscula** (Fallen, 1825)
   **Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; Mytva R., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaya, 2♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 4♂.

6. **Fannia incisurata** (Zetterstedt, 1838)

7. **Fannia lucidula** Zetterstedt, 1860 = *F. glaucescens* — **NEW**

8. **Fannia lustrator** (Harris, 1780)
   **Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; 11–14 June 2019, N. Vikhrev, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy distr., Kulakovka env., 53.951°N 29.207°E, 29 May 2019, E. Makovetskaya, 1♂.

9. **Fannia manicata** Meigen, 1826 — **NEW**
   **Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂.

10. **Fannia metallipennis** (Zetterstedt, 1838)
    **Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; Gomel reg.: Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, N. Vikhrev, 1♂.
    **Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 20–21 August 2019, O. Prischepchik, 1♂; Gomel reg.: Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, N. Vikhrev, 1♂.

11. **Fannia minutipalpis** (Stein, 1895) — **NEW**
    **Material:** Minsk reg., Minsk, Soltyso str., 53.895°N 27.658°E, 12 May 2020, E. Makovetskaya, 1♂.

12. **Fannia monilis** Haliday, 1838 — **NEW**
    **Material:** Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂.

13. **Fannia pauli** Pont, 1997 — **NEW**
    **Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 4♂.

14. **Fannia polychaeta** (Stein, 1895)
    **Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂.

15. **Fannia rondonii** Strobl, 1893 — **NEW**
    **Material:** Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 4♂.

16. **Fannia scalaris** (Fabricius, 1794)
    **Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂.

17. **Fannia serena** (Fallen, 1825)
    **Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev,
18. **Fannia similis** (Stein, 1895)  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 6♂.

19. **Fannia sociella** (Zetterstedt, 1845)  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 2♂.

20. **Fannia spathiphora** Malloch, 1918  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 3♂; E. Makovetskaya, 1♂.

21. **Fannia umbrosa** Stein, 1895 — **NEW**  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 3♂; 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 1♂.

**FAMILY MUSCIDAE**

**Subfamily Muscinae**

1. **Muscina levida** (Harris, 1780)

2. **Muscina pasquorum** (Meigen, 1826)

3. **Muscina prolapsa** (Harris, 1780)

4. **Muscina stabulans** (Fallen, 1817)

5. **Azelia aterrima** Meigen, 1826

6. **Azelia cilipes** (Haliday, 1838)  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; M. Yanbulat, 1♂.

7. **Azelia monodactyla** Loew, 1874 — **NEW**  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, on horse dung, 19–21 May 2019, N. Vikhrev, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 7♂.

8. **Azelia nebulosa** Robineau-Desvoidy, 1830 — **NEW**  
**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♂.

9. **Azelia spinosa** Vikhrev, 2015 — **NEW**  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, on horse dung, 19–21 May 2019, N. Vikhrev, 1♂; E. Makovetskaya, 1♂.

10. **Azelia zetterstedtii** Rondani, 1866  
**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 7♂.

11. **Azelia triquetra** Wiedemann, 1817 — **NEW**  
**Material:** Brest reg.: Lyakhovichy env., 53.029°N 26.257°E, 13 July 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 3♂.

12. **Thricops cunctans** (Meigen, 1826)  
**Material:** Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy distr., Moschanskoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 1♂; Porokhovka env., 53.927°N 29.462°E, 29 May 2019, E. Makovetskaya, 2♂.

13. **Thricops diaphanus** (Wiedemann, 1817)

14. **Thricops longipes** (Zetterstedt, 1845)

15. **Thricops nigrifrons** (Robineau-Desvoidy, 1830)  
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♂; Minsk reg.: Nat. Park “Narochansky”, 52.04°N 29.349°E, 20 July 2019, E. Makovetskaya, 1♀; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 3♂, 1♀.

16. **Thricops seminicornus** (Wiedemann, 1817)  
**Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 20 May 2019, O. Prischepchik, 3♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂; 11–14 June 2019, E. Makovetskaya, 2♂; 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 3♂; Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy distr., Kalinovka env., 53.890°N 29.703°E, 29 May 2019, E. Makovetskaya, 1♀; Kulakova env., 53.951°N 29.207°E, 29 May 2019, E. Makovetskaya, 9♂; Moschanskoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 3♀, 4♂; Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 5♂.

17. **Thricops simplex** (Wiedemann, 1817)  
**Material:** Brest reg.: Lyakhovichy env., 52.975°N 26.32°E, 24 August 2019, E. Makovetskaya, 1♂; Pruzhany distr., 52.717°N 24.698°E, 16 August–19 November 2017, E. Makovetskaya, 2♂, 3♀; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂.
18. *Drymeia hamata* (Fallen, 1823)
19. *Drymeia vicana* (Harris, 1780)

**Material:** Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on dead roe deer, 10 June 2019, N. Vikhrev, 2♀.

20. *Hydrotæa aenescens* (Wiedemann, 1830)

**Material:** Vitebsk reg.: Orsha env., 54.555°N 30.630°E, on dead roe deer, 10 June 2019, N. Vikhrev, 9♀, 1♂.

21. *Hydrotæa albipuncta* Zetterstedt, 1845 — NEW

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 8♂; E. Makovetskaya, 4♂.

(Swarmed under apple tree near pasture at height 2 m)

22. *Hydrotæa armipes* Fallen, 1825 — NEW

**Material:** Galom reg.: Mytva R., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, on dead roe deer, 10 June 2019, N. Vikhrev, 1♂.

23. *Hydrotæa borussica* Stein, 1899 — NEW

**Material:** Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂.

24. *Hydrotæa cyrtoneurina* (Zetterstedt, 1845)

**Material:** Galom reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 2♂; Minsk, Soltystr, 53.896°N 27.657°E, 28 June 2017, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♂.

25. *Hydrotæa dentipes* (Fabricius, 1805)

**Material:** Brest reg.: near Oranchitsy vill., 52.398°N 24.565°E, 16–29 July 2019, E. Makovetskaya, 3♂; Galom reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 1♂; Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 3♀; Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy distr., Kalinovka env., 53.890°N 29.703°E, 29 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 1♂.

26. *Hydrotæa diabolus* (Harris, 1780)

**Material:** Galom reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, M. Yanbulat, 1♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 2♂, 1♀; E. Makovetskaya, 4♂.

27. *Hydrotæa floccosa* Macquart, 1835 — NEW

**Material:** Galom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 2♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♂; E. Makovetskaya, 1♂.

28. *Hydrotæa ignava* (Harris, 1780)

**Material:** Galom reg.: Brest distr., “Sporovsky” Reserve, 52.384°N 25.185°E, 16–30 July 2017, E. Makovetskaya, 1♂; Lyakhovichy env., 53.029°N 26.257°E, 13 July 2019, E. Makovetskaya 1♂; Galom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂; Galom reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 1♂.

29. *Hydrotæa irritans* (Fallen, 1823)

**Material:** Galom reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂.

30. *Hydrotæa meridionalis* Portschinsky, 1882

31. *Hydrotæa meteorica* (Linnaeus, 1758)

**Material:** Galom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 3♂; 11–14 June 2019, E. Makovetskaya, 3♂; 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 1♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♂.

32. *Hydrotæa militaris* Meigen, 1826 — NEW

**Material:** Galom reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 3♂, 1♀; Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 3♂; Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy distr., Kalinovka env., 53.890°N 29.703°E, 29 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 1♂.
vetskaya, 2♀; Mogilev reg.: Byalynichy distr., Moshchansko env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 1♂, 7♀.

33. Hydrotaea palaestrica Meigen, 1826 — NEW
Material: Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, on carrion, 18 May 2019, N. Vikhrev, 4♂; E. Makovetskaya, 1♀; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 3♂; Mogilev reg.: Byalynychy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 3♂.

34. Hydrotaea pandellei Stein, 1899
Material: Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♀; Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 3♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 9–10 June 2019, N. Vikhrev, 4♂, 1♀.

35. Hydrotaea parva Meade, 1889 — NEW
Material: Gomel reg.: Mozyr env., 52.04°N 29.32°E, on horse dung, 19–21 May 2019, N. Vikhrev, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 1♀; Orsha env., horse dung, 54.58°N 30.45°E, 2 August 2019, N. Vikhrev, 2♀.

36. Hydrotaea pellucens Portschinsky, 1879
Material: Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, on carrion, 18 May 2019, N. Vikhrev, 7♂; E. Makovetskaya, 1♂; Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 5♂, 2♀; E. Makovetskaya, 1♂; Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 2♂; Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂, 1♀. Mogilev reg.: Byalynichy distr., Kalinovka env., 53.890°N 29.703°E, 29 May 2019, E. Makovetskaya, 1♂; Klyova env., 53.990°N 29.416°E, 28 May 2019, E. Makovetskaya, 1♂; Moshchanskoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 3♂, 1♀; Porokhovka env., 53.927°N 29.462°E, 29 May 2019, E. Makovetskaya, 1♂; Snytki env., 53.897°N 29.757°E, 29 May 2019, A. Semionova, 1♀; Zaozerye env., 54.055°N 29.475°E, 29 May 2019, E. Makovetskaya, 2♂; Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 9–10 June 2019, N. Vikhrev, 3♂, 2♀.

37. Hydrotaea similis Meade, 1887 — NEW
Material: Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Berezensky Biosphere Reserve, 54.704°N 28.294°E, 28–29 June 2018, E. Makovetskaya, 1♂.

38. Hydrotaea unispinosa Stein, 1898 — NEW
Material: Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 1♂, 1♀.
Remarks. The taxonomy of Hydrotaea unispinosa Stein, 1898 (= H. silva Hsue, 1976 = H. gandakiana Shinonaga, 1994) was discussed in (Vikhrev, Gomyranov 2014). The remarkably widespread distribution of this species was discussed in (Vikhrev, Sorokina 2017). H. unispinosa was known from 3 ecozones: Nearctic (type locality), Canada and USA from East to West between 40°N and 50°N; Oriental, foothills in the northern part of the ecozone, India, Nepal, Thailand and Vietnam; Palaearctic: Sweden; China, Liaoning region; Russia, Altai Rep. and Primorsky regions. Recently Vikhrev found that H. unispinosa is common in Primorsky region and Elena Erofeeva (ZMUM) collected 2 males in Europe, Moscow region (unpublished data). Thus, Belarus is the third European country from which species was reported. We collected it in a woody gully overgrown with thick herbs and with a small stream at gully bottom. According to our observations, H. unispinosa is attracted to the trampled grass and the human body.

39. Hydrotaea velutina Robineau-Desvoidy, 1830
Material: Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; Mogilev reg.: Byalynichy distr., Moshchanskoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 1♂.

40. Potamia littoralis Robineau-Desvoidy, 1830
Material: Brest reg.: Baranovichi env., 53.123°N 26.051°E, 05 April 2019, E. Makovetskaia, 1♂, 1♀; Lyakhovich env., 53.029°N 26.257°E, 13 July 2019, E. Makovetskaia, 1♂.
41. Mesembrina meridiana (Linnaeus, 1758)
Material: Vitebsk reg.: Beshenkovichy distr., 55.035°N 29.336°E, 6 August–28 September 2017, E. Makovetskaia, 1♂; Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaia, 2♂, 2♀.

42. Mesembrina mystacea (Linnaeus, 1758)
Material: Minsk reg.: Pukhovichy distr., Podberzheie env., 53.517°N 28.288°E, 5 August — 23 September 2017, E. Makovetskaia, 1♀; Vitebsk reg.: Berezinsky Biosphere reserve, 54.68°N 28.28°E, 25 August 2019, O. Prischepchik, 1♀; Dokshitsy distr., Zamostoch’e env., 54.653°N 27.9625°E, 6 August–29 September 2017, E. Makovetskaia, 1♂; Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaia, 1♀.

43. Mesembrina resplendens Wahlberg, 1844
44. Polietes domitor (Harris, 1780)
Material: Vitebsk reg.: Ezerische, 55.82°N 29.98°E, horse dung, 3 August 2019, N. Vikhrev, 1♂; E. Makovetskaia, 3♂, 3♀.

45. Polietes lardarius (Fabricius, 1781)
Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, on faeces, N. Vikhrev, 1♂, 1♀; E. Makovetskaia, 1♂; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaia, 1♂; Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaia, 12♂, 3♀; Mogilev reg.: Byalynichy distr., Moshchanshoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaia, 1♀; Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaia, 1♂.

46. Musca autumnalis De Geer, 1776
47. Musca domestica Linnaeus, 1758
48. Musca larvipara Portschniskiy, 1910
49. Musca tempestiva Fallen, 1817

Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 2♂.
50. Morellia aenescens Robineau-Desvoidy, 1830 — NEW
Material: Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 2♂, 1♀; E. Makovetskaia, 2♂, 4♀.

51. Morellia hortorum (Fallen, 1817)
Material: Golom reg.: 35 km E of Mozyr, 52.173°N 29.790°E, on carrion, 18 May 2019, N. Vikhrev, 1♂; E. Makovetskaia, 1♀; Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaia, 1♀; Ptich R., 52.220°N 28.785°E, 20 May 2019, E. Makovetskaia, 1♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaia, 1♀.

52. Morellia simplex (Loew, 1857)
Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaia, 1♀; 11–14 June 2019, E. Makovetskaia, 1♀.

53. Neomyia cornicina (Fabricius, 1781)
Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaia, 4♂; Mogilev reg.: Byalynichy distr., Klyova env., 53.99°N 29.416°E, 28 May 2019, E. Makovetskaia, 1♀; Byalynichy env., 53.9845°N 29.7105°E, 29 May 2019, E. Makovetskaia, 1♀.

54. Neomyia viridescens (Robineau-Desvoidy, 1830)
Material: Golom reg.: Mozyr env., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaia, 1♀; Mogilev reg.: Byalynichy env., 53.9845°N 29.7105°E, 29 May 2019, E. Makovetskaia, 2♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaia, 4♀.

55. Pyrellia rapax (Harris, 1780)
Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaia, 2♀; Vitebsk reg.: Orsha env., horse dung, 54.58°N 30.45°E, 2 August 2019, N. Vikhrev, 1♂.

56. Pyrellia vivida Robineau-Desvoidy, 1830
Material: Golom reg.: Mozyr env., 52.04°N 29.32°E, on horse dung, 19–21 May 2019, N. Vikhrev, 1♂; E. Makovetskaia, 2♀; Mozyr env., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaia, 2♀, 1♂.

57. Eudasyphora cyanicolor (Zetterstedt, 1845)
Material: Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 20–21 August 2019, O. Prischepchik, 1♂; Golom reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaia, 9♀, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaia, 1♂; Mogilev reg.: Byalynichy distr., Moshchanshoe env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaia, 2♂, 1♀.
2019, E. Makovetskaya, 1♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 1♂.

58. **Stomoxys calcitrans** (Linnaeus, 1758)

59. **Haematobosca stimulans** (Meigen, 1824)

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 2♂; E. Makovetskaya, 1♂.

Subfamily Phaoniinae

60. **Lophosceles cinereiventris** Zetterstedt, 1845 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, on horse dung, 19–21 May 2019, N. Vikhrev, 1♂.

61. **Phaonia amabilis** Meigen, 1826 — NEW

**Material:** Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, A. Semionova, 1♂.

Other material examined: RUSSIA, Moscow reg., Rusa env., 55.66°N 36.05°E, E. Erofeeva, 11–20 May 2018, 1♂; 21–30 June 2019, 1♂.

**Remarks.** This female is characterized by the following: entirely dark body; yellow femora and tibiae; prealar seta long, *prst ac* absent, *dc* 2+3; arista plumose. Thus, according to the key given in Gregor et al. (2003), the choice is between 4 species: *P. amabilis* Meigen, 1826 (= *P. rufiseta* Zetterstedt, 1860 sensu Hennig (1963) and d’Assis-Fonseca (1968)); *P. mystica* Meigen, 1826 (= *P. vittifera* Zetterstedt, 1846 sensu Hennig (1963) and d’Assis-Fonseca (1968)); *P. profugax* Pandelle, 1899, and *P. villana* Robineau-Desvoidy, 1830 (= *P. mystica* Meigen, 1826 sensu Hennig (1963) and d’Assis-Fonseca (1968)). Our female from Minsk region has subshining grey mesonotum with black unpaired median vitta visible in posterior or postero-lateral view (Fig. 3). Such mesonotal pattern is unusual in *Phaonia* (typically 1 or 2 pairs of vittae are present), it fits the understanding of *P. amabilis* by previous authors (Hennig 1963; d’Assis-Fonseca 1968 and Gregor et al. 2003 in other wording). Also, the postpedicel of the Belarusian female is distinctly yellowish at base (Fig. 5). On the other hand, our specimen has 2 hairs near posterior notopleural seta, which contradicts the understanding of *P. amabilis* by Hennig (1963); d’Assis-Fonseca (1968) and Gregor et al. (2003). We compared 2 females from Moscow region listed above and the female from Minsk region, they surely belong to the same species: apart from mesonotal pattern and yellowish base of postpedicel, they share translucent yellowish and widened palpi (less widened than in female of *P. pal-pata* Stein, 1897 but quite distinct). However, females from Moscow have notopleuron entirely bare, so we came to the conclusion that the presence of 1–2 or 0 hairs on notopleuron is a variable character and consequently identified the Belarusian female as *P. amabilis*.

We collected 2 more females from Mozyr, which belong to the same group of 4 species. In the identification key from Gregor et al. (2003) they run to *P. mystica*, because they have notopleuron bare except for 2 strong setae. However, these females have aristal hairs barely longer than the width of postpedicel and rather short postpedicel, so these characters disagree with *P. mystica* but fit Hennig’s (1963, 859) description given for 1st generation of *P. profugax*. Again, we supposed that singular hairs on notopleuron are variable and identified these females as *P. profugax*.

The studied females differ from each other as follows:

— Mesonotum subshining grey with black unpaired median vitta visible in posterior or postero-lateral views. Bases of postpedicel and arista yellow. Postpedicel longer, 3–4x as long as wide. Aristal hairs 1.5x as long as width of postpedicel. Palpi widened (less so than in female of *P. pal-pata* Stein, 1897 but quite distinctly); palpi translucent yellowish under grey dusting

— Mesonotum densely brownish-grey dusted, without any shining, with 2 pairs of black vittae. Postpedicel and arista entirely black. Postpedicel shorter, 2.5–3x as long as wide. Aristal hairs as long or shorter than width of postpedicel. Palpi black, not widened

We would like to emphasize that the remarks above are not intended to solve taxonomic problems in the genus *Phaonia*, since
we are not yet able to offer a satisfactory solution. Our goal is to make it clear for our colleagues which flies we have included in the Belarusian list under the names *P. amabilis* and *P. profugax*.

62. *Phaonia angelicae* (Scopoli, 1763)
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂, 2♀; Mytva R., 51.853°N 29.224°E 31.7.2019, E. Makovetskaya, 1♀.

63. *Phaonia angulicornis* (Zetterstedt, 1838)
**Material:** Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, A. Semionova, 1♀.

64. *Phaonia cincta* Zetterstedt, 1846 — NEW
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♀.

65. *Phaonia consobrina* (Zetterstedt, 1838)

66. *Phaonia canescens* Stein, 1916 — NEW
**Material:** Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 2♂.

67. *Phaonia errans* (Meigen, 1826)
**Material:** Mogilev reg.: Kuchyn env., 53.7075°N 29.9225°E, 6 August–24 September 2017, E. Makovetskaya, 1♂; Vitebsk reg.: Berezinsky Biosphere Reserve, 54.772°N 28.303°E, 28-29 June 2018, E. Makovetskaya, 1♀; Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 7♂.

68. *Phaonia falleni* Michelsen, 1977

69. *Phaonia fuscata* (Fallen, 1825)
**Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev, 1♀; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♂; E. Makovetskaya, 1♀.

70. *Phaonia incana* (Wiedemann, 1817)
**Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 2♀; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♂.

71. *Phaonia kowarzii* Schnabl, 1887
**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 28 July 2019, N. Vikhrev, 1♀.

72. *Phaonia laeta* (Fallen, 1823)
**Material:** Mogilev reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 1♀; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 28 July 2019, N. Vikhrev, 2♂.

73. *Phaonia latipalpis* Schnabl, 1911

74. *Phaonia magnicornis* Zetterstedt, 1845 — NEW
**Material:** Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 1♀.

75. *Phaonia meigeni* Pont, 1986
**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 2♂, 1♀.

76. *Phaonia profugax* Pandelle, 1899 — NEW
**Material:** Gomel reg.: Mozyr env., 52.04°N

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**Figs. 3–6.** 3–4: mesonotum in posterior view: 3 — *P. amabilis*, ♀; 4 — *P. profugax*, ♀; 5–6: antenna and arista: 5 — *P. amabilis*, ♀; 6 — *P. profugax*, ♀
29.32°E, 19–21 May 2019, N. Vikhrev, 2♀.

**Remarks.** See comments to *Phaonia amabilis.*

77. *Phaonia nymphaearum* Robineau-Desvoidy, 1830 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, M. Yanbulat, 1♀.

78. *Phaonia pallida* (Fabricius, 1787)

**Material:** Brest reg.: Nat. Park “Belovezhskaya Pushcha”, 52.587°N 23.876°E, 17 August — 6 October 2018, E. Makovetskaya, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 4♀; Mogilev reg.: Kuchyn env., 53.7075°N 29.9225°E, 6 August — 24 September 2017, E. Makovetskaya, 4♀; Vitebsk reg.: Chashniki distr., Bolshaya Vedren’ env., 54.9055°N 29.305°E, 6 August — 28 September 2017, E. Makovetskaya, 3♂; Orsha env., 28 July 2019, N. Vikhrev, 1♀.

79. *Phaonia perdita* (Meigen, 1830)

80. *Phaonia pratensis* (Robineau-Desvoidy, 1830)

81. *Phaonia rufiventris* (Scopoli, 1763)

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♀; Mogilev reg.: Byalynichy distr., Kulakovka env., 53.951°N 29.207°E, 29 May 2019, E. Makovetskaya, 1♂; Moshchanskoе env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 3♂; Vitebsk reg.: Ezerische, 55.82°N 29.98°E, 3 August 2019, N. Vikhrev, 1♀.

82. *Phaonia serva* (Meigen, 1826)

**Material:** Minsk reg.: Krupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 2♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 2♀, 4♂.

83. *Phaonia siebecki* Schnabl, 1911

84. *Phaonia subvent* (Harris, 1780)

**Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, on carrion, 18 May 2019, N. Vikhrev, 1♂; Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, on faces, 2♂; E. Makovetskaya, 1♀; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 2♂; Mogilev reg.: Byalynichy distr., Kulakovka env., 53.951°N 29.207°E, 29 May 2019, E. Makovetskaya, 1♂; Moshchanskoе env., 53.99°N 29.66°E, 29 May 2019, E. Makovetskaya, 1♀; Kuchyn env., 53.7075°N 29.9225°E, 6 August — 24 September 2017, E. Makovetskaya, 1♀.

85. *Phaonia tieffii* Schnabl, 1888 — NEW

**Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev, 1♂; Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; Vitebsk reg.: Orsha env., 54.555°N 30.630°E, 10 June 2019, N. Vikhrev, 6♂.

86. *Phaonia tuguriorum* (Scopoli, 1763)

**Material:** Brest reg.: Lyakhovichy distr., 52.975°N 26.32°E, 24 August 2019, E. Makovetskaya, 1♂; Minsk, Schetovka str., 53.859°N 27.624°E, 8 February 2020, E. Dyakova, 1♀.

87. *Phaonia valida* (Harris, 1780)

**Material:** Brest reg.: Pruzhany distr., 52.717°N 24.698°E, 16 August — 19 November 2017, E. Makovetskaya, 2♀; Gomel reg.: Mytva R., 51.853°N 29.224°E, on large broken willow, 31.7.2019, N. Vikhrev, 2♂, 1♀; E. Makovetskaya, 3♂, 1♀; Vitebsk reg.: Berezinsky Biosphere Reserve, 54.772°N 28.303°E, 28 — 29 June 2018, E. Makovetskaya, 1♀; Chashniki distr., Bolshaya Vedren’ env., 54.9055°N 29.305°E, 6 August — 28 September 2017, E. Makovetskaya, 2♀.

88. *Helina allotalla* (Meigen, 1830)

89. *Helina annosa* (Zetterstedt, 1838)

**Material:** Mogilev reg.: Kuchyn env., 53.7075°N 29.9225°E, 6 August — 24 September 2017, E. Makovetskaya, 2♂; Vitebsk reg.: Glubokoe distr., Servech L., 55.043°N 27.5625°E, 24 September 2019, A. Semeniak, 1♂.

90. *Helina ciliatocosta* (Zetterstedt, 1845)

91. *Helina cilipes* (Schnabl, 1902)

92. *Helina confinis* Fallen, 1825 — NEW

**Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 10♂, 1♀.

93. *Helina cothurnata* Rondani, 1866 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, M. Yanbulat, 1♂.

94. *Helina deleta* Stein, 1914 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂, 1♀.

95. *Helina depuncta* (Fallen, 1825)

**Material:** Vitebsk reg.: Ezerische, 55.82°N
29.98°E, 3 August 2019, N. Vikhrev, 1♀; Orsha env., 54.555°N 30.630°E, 28 July 2019, N. Vikhrev, 1♂.

96. **Helina evecta** Harris, 1780

**Material:** Brest reg.: Lyakhovichy env., 53.0295°E 26.2575°E, 18 November 2017, E. Makovetskaya, 1♀.

97. **Helina impuncta** (Fallen, 1825)

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂.

98. **Helina latitarsis** Ringdahl, 1924

**Material:** Brest reg.: Lyakhovichy env., 53.553°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♀.

99. **Helina obscurata** (Meigen, 1826)

**Material:** Brest reg.: Lyakhovichy env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♂.

100. **Helina obscuratoides** (Schnabl, 1887)

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, M. Yanbulat, 1♂.

101. **Helina parcepilosa** (Stein, 1907) — **NEW**

**Material:** Brest reg.: Lyakhovichy env., 52.04°N 29.32°E, 29–31 July 2019, E. Makovetskaya, 1♂.

102. **Helina protuberans** (Zetterstedt, 1845)

103. **Helina quadratum** (Fabricius, 1805)

104. **Helina reversio** (Harris, 1780)

**Material:** Brest reg.: Mytva R., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 4♂.

105. **Helina sexmaculata** (Preyssler, 1791)

**Material:** Minsk reg.: Minsk, Osipenko str., 53.926°N 27.5575°E, 03 May 2020, E. Makovetskaya, 1♂.

106. **Helina subdivittata** (Seguy, 1923)

**Subfamily Mydaeinae**

107. **Mydaea affinis** Meade, 1891 — **NEW**

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 29–31 July 2019, N. Vikhrev, 1♀.

108. **Mydaea ancilla** (Meigen, 1826) — **NEW**

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂.

**Remarks.** Our specimens run to *M. ancilla* in the keys offered by Hennig (1956) and d’Assis-Fonseca (1968). Gregor et al. (2003) use a character newly offered for *M. ancilla* — mediotergite (metanotum) glossy black. In male from Mozyr mediotergite is dusted, so this species is listed here as *M. ancilla* sensu Hennig (1956) and d’Assis-Fonseca (1968).

109. **Mydaea corni** (Scopoli, 1763)

110. **Mydaea electa** Zetterstedt, 1860 — **NEW**

**Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂, 1♀; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 29–31 July 2019, E. Makovetskaya, 1♀.

111. **Mydaea humeralis** Robineau-Desvoidy, 1830

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 2♂.

112. **Mydaea nebulosa** Stein, 1893 — **NEW**

**Material:** Brest reg.: Lyakhovichy env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 3♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂, 1♀.

113. **Mydaea setifemur** Ringdahl, 1924 — **NEW**

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 3 August 2019, N. Vikhrev, 1♂.

114. **Mydaea urbana** (Meigen, 1826)

**Material:** Brest reg.: Lyakhovichy env., 52.975°N 26.32°E, 24 August 2019, E. Makovetskaya, 1♀; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; 11–14 June 2019, E. Makovetskaya, 6♀; 29–31 July 2019, N. Vikhrev, 3♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂, 1♀.

115. **Myospila bimaculata** (Macquart, 1834) — **NEW**

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 1♀.

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116. Myospila meditabunda (Fabricius, 1781)
Material: Gomel reg.: Mytva R., 51.853°N 29.224°E, 31 July 2019, E. Makovetskaya, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, E. Makovetskaya, 1♂, 1♀.

117. Hebecnema nigra Robineau-Desvoidy, 1830 — NEW
Material: Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 15 September 2019, O. Prischepchik, 1♂; Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 3♂.

118. Hebecnema umbratica (Meigen, 1826)
Material: Brest reg.: Lyakhovichy env., 52.975°N 26.32°E, 24 August 2019, E. Makovetskaya, 1♂; Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 2♂; Mogilev reg.: Byalynichy distr., Klyova env., 53.990°N 29.416°E, 28 May 2019, E. Makovetskaya, 1♂; Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, on horse dung, 16–17 May 2019, N. Vikhrev, 1♂, 2♀; E. Makovetskaya, 5♀.

119. Hebecnema vespertina (Fallen, 1823)
Material: Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♂.

120. Gymnodia humilis Zetterstedt, 1860 — NEW
Material: Gorodok reg.: El’sk, 51.82°N 29.11°E, horse dung, 31 July 2019, N. Vikhrev, 1♀; Vitebsk reg.: Ezerische, 55.82°N 29.98°E, horse dung, 3 August 2019, N. Vikhrev, 3♀.

121. Graphomya maculata (Scopoli, 1763)
Material: Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♀; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 1♂; Mogilev reg.: Byalynichy env., 54.012°N 29.643°E, 29 May 2019, E. Makovetskaya, 3♀.

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122. Spilogona dispar (Fallen, 1823)
123. Spilogona surda Zetterstedt, 1845 — NEW
Material: Gorodok reg.: Mytva R., 51.853°N 29.224°E, 31.7.2019, N. Vikhrev, 3♂.

124. Limnophora pollinifrons Stein, 1916 — NEW
Material: Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 4♂, 2♀; E. Makovetskaya, 4♂, 1♀.

125. Limnophora tigrina Am Stein, 1860 — NEW
Material: Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 2 August 2019, O. Prischepchik, 5♂; Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂, 1♀; E. Makovetskaya, 5♂, 2♀; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 1♂; Ptich R., 52.220°N 28.785°E, 20 May 2019, E. Makovetskaya, 3♂, 1♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 3♀.

126. Limnophoratriangula Fallen, 1825 — NEW
Material: Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂; Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂; Ptich R., 52.220°N 28.785°E, 20 May 2019, E. Makovetskaya, 1♂, 1♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂, 1♀; Vitebsk reg.: Orsha env., 28 July 2019, N. Vikhrev, 2♀.

127. Lispe consanguinea Loew, 1858
Material: Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 12♀, 7♂; 29–31 July 2019, E. Makovetskaya, 7♂, 7♀; 29–30 July 2019, E. Makovetskaya, 2♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♀; Vitebsk reg.: Braslaw env. (Nat. Park “Braslavske Ozera”), 55.635°N 27.033°E, 3 August 2019, E. Makovetskaya, 1♀.

128. Lispe longicollis Meigen, 1826
Material: Gorodok reg.: Mozyr env., 52.04°N 29.32°E, 29–31 July 2019, E. Makovetskaya, 2♂; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 3♂, 2♀.

129. Lispe melaleuca Loew, 1847
Material: Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 18 July 2019, O. Prischep-
chik, 3♂; 2 August 2019, O. Prischepchik, 6♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 29–31 July 2019, M. Yanbulat, 1♀; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 1♂.

130. *Lispe nana* Macquart, 1835

**Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 18 July 2019, O. Prischepchik, 2♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♀.

131. *Lispe parcespinosa bohemica* Becker, 1904 = *L. frigida* sensu Gregor et al. 2002 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, E. Makovetskaya, 1♀.

**Remarks.** All ZMUM specimens of this rare European *Lispe* were collected on floodplains of large (Oka and Sura) rivers on dry sand in 5–10 m from shore line (Vikhrev 2015). We hoped to find it on the Pripyat River (Fig. 7) and had actually found it there. Taking this opportunity, we would like to suggest what the localities where *L. p. bohemica* was collected have in common. In all cases, there are no dams and reservoirs upstream, and spring floods are not regulated and not weakened.

132. *Lispe pygmaea* Fallen, 1825

**Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 18 July 2019, O. Prischepchik, 11♂; 2 August 2019, O. Prischepchik, 6♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 5♂, 2♀; 11–14 June 2019, E. Makovetskaya, 2♀; 29–31 July 2019, E. Makovetskaya, 5♂, 3♀; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 2♂, 1♀; Vitebsk reg.: Orsha env., 54.58°N 30.45°E, 2 August 2019, N. Vikhrev, 1♂, 1♀.

133. *Lispe superciliosa* Loew, 1861

**Material:** Gomel reg.: Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, N. Vikhrev, 6♂, 4♀; E. Makovetskaya, 3♂.

134. *Lispe tentaculata* (De Geer, 1776)

**Material:** Brest reg.: Lyakhovichy env., 53.024°N 26.242°E, 13 July 2019, E. Makovetskaya, 1♂, 1♀; Gomel reg.: Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 5♂, 9♀; Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 2♂, 1♀.

135. *Lispe uliginosa* Fallen, 1825

136. *Lispocephala alma* Meigen, 1826 — NEW

**Material:** Vitebsk reg.: Ezerische env., 55.83°N 30.00°E, 16–17 May 2019, N. Vikhrev, 1♀.

137. *Lispocephala erythrocerca* Robineau-Desvoidy, 1830 — NEW

**Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 18 July 2019, O. Prischepchik, 6♂; 2 August 2019, O. Prischepchik, 6♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 5♂, 2♀; 11–14 June 2019, E. Makovetskaya, 2♀; 29–31 July 2019, E. Makovetskaya, 5♂, 3♀; Mozyr’s sewage fields, 51.946°N 29.349°E, 30 July 2019, E. Makovetskaya, 2♂, 1♀; Vitebsk reg.: Orsha env., 54.58°N 30.45°E, 2 August 2019, N. Vikhrev, 1♂, 1♀.

Fig. 7. Pripyat River near Mozyr (photo: tata3581, Saint Petersburg)

Рис. 7. Река Припять в окрестностях Мозыря (фото: tata3581, Санкт-Петербург)
138. **Schoenomyza litorella** (Fallen, 1823)

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; E. Makovetskaya, 1♂.

139. **Coenosia agromyzina** (Fallen, 1825)

**Material:** Gomel reg.: 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, N. Vikhrev, 1♂; E. Makovetskaya, 1♂.

140. **Coenosia albicornis** Meigen, 1826

141. **Coenosia bilineella** (Zetterstedt, 1838)

142. **Coenosia campestris** (Robineau-Desvoidy, 1830)

143. **Coenosia femoralis** (Robineau-Desvoidy, 1830)

144. **Coenosia intermedia** (Fallen, 1825)

145. **Coenosia nigridigita** Rondani, 1866 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂; Minsk reg.: Stowbcy env., 53.553°N 26.705°E, 16 June 2019, E. Makovetskaya, 1♂.

146. **Coenosia mollicula** (Fallen, 1825)

**Material:** Minsk reg.: Nat. Park “Narochansky”, 54.963°N 26.366°E, 20 July 2019, E. Makovetskaya, 1♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, N. Vikhrev, 1♂.

147. **Coenosia pedella** (Fallen, 1825)

**Material:** Gomel reg.: Ptich R., 52.220°N 28.785°E, 20 May 2019, N. Vikhrev, 1♂.

148. **Coenosia pudorosa** Collin, 1953

149. **Coenosia pulicaria** (Zetterstedt, 1845)

150. **Coenosia pumila** (Fallen, 1825)

**Material:** Brest reg.: David-Gorodok env., 52.115°N 27.272°E, 15 September 2019, O. Prischepchik, 4♂; Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂; 52.05°N 29.31°E, 11–14 June 2019, N. Vikhrev, 4♂, 2♀; E. Makovetskaya, 8♂; Novaya Rudnya env., 51.66°N 29.10°E, 30 July 2019, E. Makovetskaya, 1♂.

151. **Coenosia rupepalpis** Meigen, 1826 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 11–14 June 2019, N. Vikhrev, 1♂; 35 km E of Mozyr, 52.173°N 29.790°E, 18 May 2019, E. Makovetskaya, 1♂; Minsk reg.: Kupki distr., Somry env., 54.061°N 29.349°E, 28 May 2019, E. Makovetskaya, 1♂.

152. **Coenosia strigipes** Stein, 1916 — NEW

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 29–31 July 2019, M. Yanbulat, 1♀.

153. **Coenosia testacea** (Robineau-Desvoidy, 1830)

**Material:** Gomel reg.: Mozyr env., 52.04°N 29.32°E, 19–21 May 2019, E. Makovetskaya, 1♂.

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