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AN ANNOTATED LIST OF FRUIT FLIES (DIPTERA: DROSOPHILIDAE) OF THE REPUBLIC OF MORDOVIA

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Summary. An annotated list of 44 species in 12 genera of the drosophilid flies of the Republic of Mordovia is given. Among them *Drosophila picta* Ztt. is recorded in Russia for the first time, *D. bondarenkoi* Sidorenko is found in European Russia for the first time and 8 species are new to the fauna of the Republic of Mordovia. The drosophilid fauna of Mordovia is compared with Voronezhskaya oblast.

Key words: Diptera, Drosophilidae, fauna, new records, European part of Russia.

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Резюме. Приведен аннотированный список 44 видов из 12 родов мух-дрозофилид Республики Мордовии. Из них *Drosophila picta* Ztt. впервые приводится для России, *D. bondarenkoi* Sidorenko – для европейской части России, а 8 видов впервые отмечены для Республики Мордовии. Проведено сравнение состава фаун дрозофилид Мордовии и Воронежской области.

INTRODUCTION

The fauna of Drosophilidae of the Republic of Mordovia is under active investigation in the last years. The study of Drosophilidae in the Mordovia State Nature Reserve was started with a list including 15 species in 6 genera when insect fauna was explored in the post-fire forest recovery process (Ruchin *et al*., 2021). The next list of Drosophilidae was increased up to 30 species in 9 genera when the seasonal dynamics of drosophilids in five different types of forests in the Mordovia State Nature Reserve was investigated (Gornostaev *et al*., 2022). Finally, the vertical distribution of Drosophilidae in deciduous forests of this reserve was studied and resulted in a complete faunistic list including 36 species in 10 genera (Gornostaev *et al*., 2023). In this work we give new addition to the list of fruit flies after an examination of the materials collected in different districts of the Republic of Mordovia.

Drosophilid flies were collected in Mordovia State Nature Reserve and in some other locations of the Republic of Mordovia: Alkaevo (54°36′ N, 43°21′ E), Barashevo (54°31′ N,

42°52′ E), Dachny (54°33′ N, 42°38′ E), Ivanovka (54°39′ N, 42°50′ E), Kochelaevo (54°1′ N, 44°2′ E), Lepley (54°18′ N, 42°51′ E), Molochnitsa (54°14′ N, 42°52′ E), Ozerny (54°24′ N, 42°41′ E), Pervomaiskiy (54°7′ N, 44°3′ E), Potma (54°7′ N, 42°54′ E), Rosstanye (54°49′ N, 43°8′ E), Samaevka (54°0′ N, 43°38′ E), Standrovo (54°38′ N, 42°39′ E), Telimerki (54°44′ N, 42°46′ E), Vysha (53°50′ N, 42°22′ E), Yavas (54°25′ N, 42°51′ E) in 2019–2023 by A. Ruchin (AR) and M. Esin (ME). All collected specimens were stored in 70% ethanol and determined by the first author. New for the Republic of Mordovia records are asterisked (*). New for the fauna of Russia species is double asterisked (**).

LIST OF SPECIES

Family Drosophilidae

Subfamily Steganinae

***Amiota albilabris* (Roth in Zetterstedt, 1860)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 275 and 299, 19–25.VI 2019, 2 ♀ (AR); Kovylkino District, Samaevka, 31.VII–04.VIII 2020, 1 ♂ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001). This species was recorded from Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Amiota alboguttata* (Wahlberg, 1839)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 299 and 446, 29.V–25.VII 2019, 7 ♂, 5 ♀ (AR); Temnikov District, Rosstanye, 2–09.VII 2019, 1 ♂, 1 ♀ (AR); Kovylkino District, Samaevka, 31.VII–04.VIII 2020, 11 ♂, 4 ♀ (ME).

DISTRIBUTION. Widespread in Europe (Bächli & Rocha Pité, 1984) and European Russia (Gornostaev, 1997) including Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Amiota rufescens* (Oldenberg, 1914)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 299, 330, 358, 384 and 408, 10.VI–25.VII 2019, 17 ♂, 11 ♀ (AR); Temnikov District, Rosstanye, 02–09.VII 2019, 1 ♀ (AR).

DISTRIBUTION. Widespread in Europe (Bächli & Rocha Pité, 1984), NW of European Russia (Gornostaev, 1997), recently found in the Republic of Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Amiota subtusradiata* Duda, 1934**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 360, 25.V– 5.VI 2020, 1 ♀ (AR).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Mordovia (Gornostaev *et al*., 2022, 2023).

***Gitona distigma* Meigen, 1830**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 287, 20.IV–3.VI 2020, 1 ♂ (ME); Kovylkino District, Samaevka, 31.VII–04.VIII 2020, 1 ♀ (ME); Zubova Polyana District, 12 km N of Potma, 3–15.VIII 2021, 1 ♂ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001), recorded from Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Leucophenga maculata* (Dufour, 1839)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 299, 9–16.VII 2019, 1 ♂ (AR).

DISTRIBUTION. Widespread in Palaearctic region and known from the Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Leucophenga quinquemaculata* Strobl, 1893**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 275, 299, 329, 330, 384, 408 and 446, 29.V–25.VII 2019, 17 ♂, 13 ♀ (AR); Temnikov District, Rosstanye, 19.VI–09.VII 2019, 3 ♂, 4 ♀ (AR).

DISTRIBUTION. Widespread in Europe and European Russia (Gornostaev, 1997) including Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Phortica semivirgo* (Maca, 1977)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 275, 299, 330, 358, 384, 408, 446 and 449, 20.IV–25.VII 2019, 7 ♂, 25 ♀ (AR); Temnikov District, Rosstanye, 16–25.VII 2019, 1 ♂ (AR).

DISTRIBUTION. Widespread in Europe (Bächli & Rocha Pité, 1984) and European Russia (Gornostaev, 1997) and was recorded from Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

**** Stegana* (*Stegana*) *furta* (Linnaeus, 1767)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, Pushta, 24.VI 2021, 1 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001).

***Stegana* (*Steganina*) *coleoptrata* (Scopoli, 1763)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 321 and 362, 22.V–6.VII 2020, 3 ♀ (AR); Zubova Polyana District, 3 km S of Molochnitsa, 3–15.VIII 2021, 1 ♂ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and known from Mordovia (Gornostaev *et al*., 2022).

***Stegana* (*Steganina*) *hypoleuca* (Meigen, 1830)**

DISTRIBUTION. Widespread in Palaearctic region and was recorded from Mordovia State Nature Reserve (Gornostaev *et al*., 2023).

Subfamily Drosophilinae

***Chymomyza amoena* (Loew, 1862)**

MATERIAL. **Russia**: Mordovia, Zubova Polyana District, Yavas, 17–19.VI 2021, 3 ♂ (ME).

DISTRIBUTION. Palaearctic species recorded from Mordovia (Gornostaev, 2022, 2023).

***Chymomyza caudatula* Oldenberg, 1914**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 345, 371, 375 and 384, 14.V–6.VI 2020, 9 ♂, 2 ♀ (AR); Tengushevo District, 6 km E of Dachny, 28.V–8.VI 2020, 1 ♀ (AR).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001). This species was recorded from Mordovia State Nature Reserve (Gornostaev *et al*., 2022, 2023).

***Chymomyza costata* (Zetterstedt, 1838)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 358, 25.VI–02.VII. 2019, 1 ♂ (AR).

DISTRIBUTION. Palaearctic species known from Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Chymomyza fuscimana* (Zetterstedt, 1838)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 275, 20.V.2021, 2 ♂ (ME).

DISTRIBUTION. Widespread in Palaearctic region and recorded from Mordovia State Nature Reserve (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Dorsilopha*) *busckii* Coquillett, 1901**

DISTRIBUTION. This widespread in Palaearctic region species (Bächli & Rocha Pité, 1984) was recorded from Mordovia State Nature Reserve (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *funebris* (Fabricius, 1787)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 446, 29.V–01.VII 2019, 1 ♂ (AR).

DISTRIBUTION. Widespread in Palaearctic region and Russia species (Gornostaev, 1997; Sidorenko, 2001) known from Mordovia (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *histrio* Meigen, 1830**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 358, 408, 446, 29.V–01.VII 2019, 2 ♂, 1 ♀ (AR), forest quarters 345, 373, 375, 384, 387, 398, 442, 5 ♂, 10 ♀ 14.V–6.VI 2020, (AR), forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 7 ♂, 1 ♀ (ME); Tengushevo District, 6 km E of Dachny, 28.V–8.VI 2020, 1 ♂, 1 ♀ (AR).

DISTRIBUTION. This Palaearctic species was recorded from Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *hydei* Sturtevant, 1921**

DISTRIBUTION. Widespread in Palaearctic region and Russia species was recorded from Mordovia by Gornostaev *et al*. (2022, 2023).

***Drosophila* (*Drosophila*) *immigrans* Sturtevant, 1921**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 446, 29.V–01.VII 2019, 1 ♂, 1 ♀ (AR).

DISTRIBUTION. This widespread Palaearctic species was recorded from Mordovia (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *kuntzei* Duda, 1924**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 287, 20.IV–03.VI 2020, 3 ♂ (ME), forest quarter 375, 14.V–06.VI 2020, 1 ♂, 3 ♀ (AR), forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 3 ♂, 5 ♀ (ME); Tengushevo District, 6 km W of Barashevo, 28.V–6.VI 2020, 1 ♀ (AR).

DISTRIBUTION. Palaearctic region including Mordovia (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *littoralis* Meigen, 1830**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 249, 446, 29.V–06.VII 2019, 2 ♀ (AR).

DISTRIBUTION. Widespread Palaearctic species known from the Mordovia State Nature Reserve (Gornostaev *et al*., 2023).

****Drosophila* (*Drosophila*) *picta* Zetterstedt, 1847**

MATERIAL. **Russia**: Mordovia, Tengushevo District, 3 km NE of Standrovo, near water, 13–16.VII 2021, 1 ♀ (ME).

DISTRIBUTION. Europe (Bächli & Rocha Pité, 1984).

NOTES. This is the first record of *D. picta* in Russia. A rare species always collected near water.

***Drosophila* (*Drosophila*) *phalerata* Meigen, 1830**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 249, 299, 373, 375, 384, 398, 19–6.VII 2019 and 25.V–6.VI 2020, 3 ♂, 6 ♀ (AR), forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 19 ♂, 28 ♀ (ME); Zubova Polyana District, 6 km E of Vysha, 15–28.V 2020, 1 ♂, 1 ♀ (AR); Zubova Polyana District, 12 km N of Potma, 3–15.VII 2021, 3 ♀ (ME); Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 1 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001). This species was recorded from Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *testacea* von Roser, 1840**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 330, 342, 358, 360, 373, 375, 384, 386, 387, 398, 408, 442, 446, 29.V–16.VII 2019 and 14.V–6.VI 2020, 11 ♂, 19 ♀ (AR), forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 38 ♂, 40 ♀ (ME); Tengushevo District, 6 km E of Dachny, 28.V.–8.VI 2020, 1 ♀ (AR); Tengushevo District, 6 km W of Barashevo, 28.V–8.VI 2020, 1 ♂, 1 ♀ (AR); Zubova Polyana District, 6 km E of Vysha, 28.V–9.VI 2020, 1 ♀ (AR).

DISTRIBUTION. Widespread in Palaearctic region and known from Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Drosophila*) *transversa* Fallén, 1823**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 287, 330, 373, 375, 387, 410, 19–25.VI 2019 and 14.IV–6.VI 2020, 2 ♂, 6 ♀ (AR, ME), forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 5 ♂, 11 ♀ (ME); Temnikov District, Rosstanye, 25.VI–2.VII 2019, 1 ♂ (AR); Tengushevo District, 6 km E of Dachny, 28.V–8.VI 2020, 1 ♂ (AR); Zubova Polyana District, Yavas, 17–19.VI 2021, 1 ♂, 2 ♀ (ME); Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 1 ♂, 2 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region and known from Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Sophophora*) *bifasciata* Pomini, 1940**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 275, 299, 302, 25.VI–25.VII 2019, 5 ♂, 7 ♀ (AR); Temnikov District, Rosstanye, 19–25.VI 2019, 1 ♂ (AR).

DISTRIBUTION. Palaearctic region including Mordovia (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Sophophora*) *melanogaster* Meigen, 1830**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 342, 27.V–6.VI 2019, 1 ♂ (AR); Zubova Polyana District, 6 km E of Vysha, 28.V–9.VI 2020, 1 ♀ (AR); Zubova Polyana District, 12 km N of Potma, 3–15.VIII 2021, 2 ♀ (ME).

DISTRIBUTION. This widespread Palaearctic species was recently found in Mordovia (Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Sophophora*) *obscura* Fallén, 1823**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 342, 360, 371, 373, 375, 384, 386, 387, 398, 442, 14.V–6.VI 2020, 44 ♂, 30 ♀ (AR); Tengushevo District, 6 km E of Dachny, 28.V–8.VI 2020, 2 ♀ (AR); Zubova Polyana District, 6 km E of Vysha, 15–9.VI 2020, 13 ♂, 8 ♀ (AR); Tengushevo District, 6 km W of Barashevo, 26.V–8.VI 2020, 7 ♂, 2 ♀ (AR).

DISTRIBUTION. Widespread in Europe and European Russia species was recorded from the Mordovia State Nature Reserve (Ruchin *et al*., 2021; Gornostaev *et al*., 2022, 2023).

***Drosophila* (*Sophophora*) *subobscura* Collin in Gordon, 1936**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 384, 25.V–6.VI 2020, 1 ♂ (AR).

DISTRIBUTION. Widespread in Europe (Bächli & Rocha Pité, 1984) and in the south of European Russia (Gornostaev, 1997; Gornostaev & Lyupina, 2023a, 2023b), recently found in the Republic of Mordovia (Gornostaev *et al*., 2023).

***Drosophila* (*Sophophora*) *subsilvestris* Hardy et Kaneshiro, 1968**

DISTRIBUTION. Widespread in Europe and European Russia species recorded from Mordovia (Gornostaev *et al*., 2023).

***Drosophila* (*Sophophora*) *tristis* Fallén, 1823**

DISTRIBUTION. This widespread in Europe and in the south of European part of Russia species (Bächli & Rocha Pité, 1984; Gornostaev, 1997; Gornostaev & Lyupina, 2023a, 2023b) recently found in the Republic of Mordovia (Gornostaev *et al*., 2022, 2023).

**** Drosophila* (*Spinodrosophila*) *bondarenkoi* Sidorenko, 1993**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 1 ♂ (ME).

DISTRIBUTION. South of the Russian Far East (Sidorenko, 2001).

NOTES. This is the first record of this species in the Republic of Mordovia and European Russia.

***Hirtodrosophila confusa* (Staeger, 1844)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 342, 373, 375, 384, 25.V–6.VI 2020, 3 ♂, 5 ♀ (AR); Tengushevo District, 6 km W of Barashevo, 28.V–6.VI 2020, 1 ♀ (AR); Zubova Polyana District, 6 km E of Vysha, 28.V–9.VI 2020, 1 ♂ (AR).

DISTRIBUTION. Widespread in Palaearctic region and also known from Mordovia (Gornostaev *et al*., 2022, 2023)..

***Hirtodrosophila toyohiokadai* (Sidorenko,1990)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 46 ♂, 67 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region and recorded from Mordovia (Gornostaev *et al*., 2023).

***Hirtodrosophila trivittata* (Strobl, 1893)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 375, 386, 25.V–6.VI 2020, 1 ♂, 1 ♀ (AR).

DISTRIBUTION. Palaearctic species known from the Mordovia State Nature Reserve (Gornostaev *et al*., 2022, 2023).

**** Lordiphosa fenestrarum* (Fallén, 1823)**

MATERIAL. **Russia**: Mordovia, Temnikov District, Alkaevo, 6–9.VII 2021, 2 ♀ (ME); Tengushevo District, Telimerki, 16–20.VII 2021, 1 ♂, 2 ♀ (ME); Tengushevo District, 3 km NE of Standrovo, near water, 13–16.VII 2021, 1 ♂ (ME); Tengushevo District, 2 km NW of Ivanovka, 9–13.VII 2021, 1 ♂, 1 ♀ (ME); Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 1 ♀ (ME); Zubova Polyana District, 3 km S of Lepley, 17–19.VI 2021, 3 ♀ (ME).

DISTRIBUTION. Widespread in Europe (Bächli & Rocha Pité, 1984) and European Russia (Gornostaev, 1997).

NOTES. It is the first record of this species in the Republic of Mordovia.

**** Lordiphosa nigricolor* (Strobl, 1898)**

MATERIAL. **Russia**: Mordovia, Tengushevo District, 3 km E of Dachny, 23–26.VII 2021, 1 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001).

NOTES. This species is record from the Republic of Mordovia for the first time.

**** Mycodrosophila poecilogastra* (Loew, 1874)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarter 385, from mushrooms *Boletus sp.*, 12–18.IX 2023, 23 ♂, 38 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region including Russia (Gornostaev, 1997; Sidorenko, 2001), recently found in Moscow and Tuva (Gornostaev & Kulikov, 2021).

NOTES. It is the first record of this species in the Republic of Mordovia. Until now, it was believed that this species lives only in the North Caucasus and the south of the Russian Far East. However, after studying some fungi, where *M. poecilogastra* larvae can breed, we expanded its areal to the center of European Russia and southern regions of Siberia.

***Scaptodrosophila rufifrons* (Loew, 1873)**

MATERIAL. **Russia**: Mordovia State Nature Reserve, forest quarters 345, 358, 373, 387, 442, 18.V–6.VI 2020, 2 ♂, 6 ♀ (AR); Zubova Polyana District, 6 km E of Vysha, 15–28.V 2020, 1 ♂, 1 ♀ (AR); Tengushevo District, 6 km W of Barashevo, 26.V–8.VI 2020, 2 ♂, 1 ♀ (AR); Zubova Polyana District, 3 km S of Lepley, 17–19.VI 2021, 1 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001). This species was recorded from the Mordovia State Nature Reserve by Ruchin *et al*. (2021) and Gornostaev *et al*. (2022, 2023).

***Scaptomyza* (*Hemiscaptomyza*) *unipunctum* (Zetterstedt, 1847)**

DISTRIBUTION. Widespread in Palaearctic region including Russia and recently recorded from the Mordovia State Nature Reserve (Gornostaev *et al*., 2022).

***Scaptomyza* (*Parascaptomyza*) *pallida* (Zetterstedt, 1847)**

MATERIAL. **Russia**: Mordovia, Zubova Polyana District, 6 km E of Vysha, 28.V–9.VI 2020, 1 ♀ (AR); Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 20 ♂, 27 ♀ (ME); Zubova Polyana District, 3 km S of Lepley, 17–19.VI 2021, 5 ♂, 2 ♀ (ME); Zubova Polyana District, 12 km N of Potma, 3–15.VIII 2021, 6 ♂, 11 ♀ (ME); Zubova Polyana District, Yavas, 17–19.VI 2021, 1 ♂, 3 ♀ (ME); Zubova Polyana District, Ozerny, 26–29.VII 2021, 1 ♂, 1 ♀ (ME); Kovylkino District, 4 km N of Pervomaiskiy, 8–14.IX 2021, 2 ♀ (ME); Kovylkino District, 7 km SE of Kochelaevo, 8–14.IX 2021, 1 ♂ (ME); Tengushevo District, Telimerki, 16–20.VII 2021, 1 ♂ (ME); Tengushevo District, 3 km E of Dachny, 23–26.VII 2021, 2 ♂, 4 ♀ (ME); Tengushevo District, 3 km NE of Standrovo, near water, 13–16.VII 2021, 2 ♂, 3 ♀ (ME); Tengushevo District, 2 km NW of Ivanovka, 9–13.VII 2021, 2 ♂ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) and found in the Mordovia State Nature Reserve (Gornostaev *et al*., 2023).

**** Scaptomyza* (*Scaptomyza*) *flava* (Fallén, 1823)**

MATERIAL. **Russia**: Mordovia, Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 1 ♂, 3 ♀ (ME); Tengushevo District, Telimerki, 16–20.VII 2021, 3 ♀ (ME); Tengushevo District, 3 km NE of Standrovo, near water, 13–16.VII 2021, 1 ♂, 2 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region. It is the first record of this species in the Republic of Mordovia.

**** Scaptomyza* (*Scaptomyza*) *graminum* (Fallén, 1823)**

MATERIAL. **Russia**: Mordovia, Zubova Polyana District, Molochnitsa, 3–15.VIII 2021, 1 ♂, 2 ♀ (ME); Tengushevo District, Telimerki, 16–20.VII 2021, 1 ♂, 1 ♀ (ME).

DISTRIBUTION. Widespread in Palaearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001). Here this species is recorded from the Republic of Mordovia for the first time.

DISCUSSION

Currently, 44 species in 12 genera of Drosophilidae are known in the Republic of Mordovia, eight of them are recorded here from this region for the first time and *Drosophila picta* is new to the fauna of Russia. The fauna of fruit flies of Voronezhskaya Oblast, the nearest region to the Republic of Mordovia, consists of only 15 species in six genera (Panteleeva, 2005).

Among them 34 drosophilid species (*Amiota albilabris*, *A. alboguttata*, *A. rufescens*, *A. subtusradiata*, *Leucophenga maculata*, *L. quinquemaculata*, *Phortica semivirgo*, *Stegana furta*, *S. coleoptrata*, *S. hypoleuca*, *Chymomyza amoena*, *Ch. caudatula*, *Ch. costata*, *Ch. fuscimana*, *Drosophila busckii*, *D. hydei*, *D. immigrans*, *D. kuntzei*, *D. littoralis*, *D. picta*, *D. testacea*, *D. transversa*, *D. bifasciata*, *D. obscura*, *D. subobscura*, *D. subsilvestris*, *D. tristis*, *D. bondarenkoi*, *Hirtodrosophila confusa*, *H. toyohiokadai*, *H. trivittata*, *Lordiphosa fenestrarum*, *L. nigricolor*, and *Mycodrosophila poecilogastra*) are found in Mordovia only; five species (*Phortica variegata* (Fallen, 1823), *Drosophila limbata* von Roser, 1840, *Hirtodrosophila cameraria* (Haliday, 1833), *Scaptomyza griseola* (Zetterstedt, 1847), and *Scaptomyza consimilis* Hackman, 1955) are found in Voronezhskaya Oblast only. Ten species (*Gitona distigma*, *D. funebris*, *D. histrio*, *D. phalerata*, *D. melanogaster*, *Scaptodrosophila rufifrons*, *Scaptomyza unipunctum*, *S. pallida*, *S. flava*, and *S. graminum*) are recorded from both regions. Thus, the fauna of the Drosophilidae of the Republic of Mordovia is quite similar to the fauna of the Voronezhskaya Oblast, but the latter region should be better studied in the future.

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