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**AN ANNOTATED LIST OF THE DROSOPHILID FLIES (DIPTERA:
DROSOPHILIDAE) OF BURYATIA**

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Summary. An annotated list of 18 species in six genera of the drosophilid flies of Buryatia is given. Among them 13 species are recorded from Buryatia for the first time. The drosophilid fauna of Buryatia is compared with the fauna of Tuva.

Key words: Diptera, Drosophilidae, fauna, new records, Siberia, Russia.

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Резюме. Приведен аннотированный список 18 видов из 6 родов мух-дрозофилид Бурятии, из которых 13 видов впервые отмечаются для этого региона. Проведено сравнение фауны дрозофилид Бурятии и Тувы.

INTRODUCTION

Five species of the drosophilid flies genera *Leucophenga*, *Drosophila*, *Hirtodrosophila*, and *Scaptomyza* has been recorded from Buryatia (Gornostaev, 1997). Here we present new additions to this list after examination of the materials collected by the second author in this region.

Drosophilid flies were collected in the Barguzinsky Nature Reserve in vicinities of Davsha and on the banks of Bolshaya River (54°28' N, 109°29' E) by S. Sorokina (S) in 2006. All collected specimens were stored in 70% ethanol and determined by the first author. New for Buryatia records are asterisked (*).

LIST OF SPECIES

Family Drosophilidae

Subfamily Steganinae

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

MATERIAL. Russia: Buryatia, Davsha, 1–30.VIII 2006, 1 ♀ (S).

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

****Amiota (Phortica) chi* Toda et Sidorenko, 1996**

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 1 ♂, 2 ♀ (S).

DISTRIBUTION. East Siberia and Far East (Toda *et al.*, 1996; Sidorenko, 2001), Altai (Sidorenko & Ivannikov, 2001), Khakassia (Gornostaev & Sorokina, 2020), Tuva (Gornostaev & Kulikov, 2019).

***Leucophenga quinquemaculata* Strobl, 1893**

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

NOTES. This species was recorded from Buryatia by Gornostaev (1997).

Subfamily Drosophilinae

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 1 ♂, 3 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 1 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 2 ♂, 1 ♀ (S).

DISTRIBUTION. Cosmopolitan synanthropic species (Bächli & Rocha Pité, 1984), widespread in Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 3 ♂, 5 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

NOTES. This species was recorded from Buryatia by Gornostaev (1997).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 2 ♂, 4 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

****Drosophila (Drosophila) montana* Patterson et Wheeler, 1942**

MATERIAL. **Russia:** Buryatia, banks of Bolshaya river, 1–30.VIII 2006, 3 ♂, 3 ♀ (S).

DISTRIBUTION. This species found mainly in the North of Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 6 ♂, 8 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

***Drosophila (Sophophora) alpina* Burla, 1948**

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 7 ♂, 11 ♀ (S).

DISTRIBUTION. This species found mainly in the northern part of Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001).

NOTES. This species was recorded from Buryatia by Gornostaev (1997).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 11 ♂, 16 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 4 ♂, 8 ♀ (S).

DISTRIBUTION. Cosmopolitan synanthropic species (Bächli & Rocha Pité, 1984), widespread in Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

****Hirtodrosophila toyohikadai* (Sidorenko, 1990)**

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 2 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 3 ♂, 4 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

NOTES. This species was recorded from Buryatia by Gornostaev (1997).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 2 ♂, 5 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

NOTES. This species was recorded from Buryatia by Gornostaev (1997).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 1 ♂, 1 ♀ (S).

DISTRIBUTION. Widespread in Palearctic region (Bächli & Rocha Pité, 1984) and Russia (Gornostaev, 1997; Sidorenko, 2001) including Tuva (Gornostaev & Kulikov, 2019).

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

MATERIAL. **Russia:** Buryatia, Davsha, 1–30.VIII 2006, 1 ♀ (S).

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

DISCUSSION

Now 18 species in six genera of Drosophilidae are known from Buryatia, 13 of them are recorded here from this region for the first time. Totally 30 species in eight genera of drosophilid flies are known from Tuva which is adjacent republic to the southwestern part of the Republic of Buryatia (Gornostaev & Kulikov, 2019; Gornostaev & Kulikov, 2021). Among them one species (*Drosophila montana*) is found in Buryatia only; 13 species, namely *Gitona distigma* Meigen, 1830, *Leucophenga quinquemaculipennis* Okada, 1956, *Chymomyza caudatula* Oldenberg, 1914, *Ch. distincta* (Egger, 1862), *Drosophila ezoana* Takada et Okada, 1957, *D. immigrans* Sturtevant, 1921, *D. limbata* von Roser, 1840, *D. subarctica* Hackman, 1969, *D. transversa* Fallén, 1823, *D. helvetica* Burla, 1948, *Hirtodrosophila confusa* (Staeger, 1844), *Mycodrosophila poecilogastra* (Loew, 1874), and *Scaptomyza unipunctum* (Zetterstedt, 1847), are found in Tuva only and 17 species (*Amiota albilabris*, *A. chi*, 1996, *Leucophenga quinquemaculata*, *Chymomyza costata*, *Ch. fuscimana*, *Drosophila funebris*, *D. histrio*, *D. kuntzei*, *D. testacea*, *D. alpina*, *D. bifasciata*, *D. melanogaster*, *Hirtodrosophila toyohiokadai*, *H. trivittata*, *Scaptomyza pallida*, *S. flava*, and *S. graminum*) are recorded in both Buryatia and Tuva. Thus, the fauna of Drosophilidae of Buryatia is rather similar to the fauna of Tuva.

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