Амурский зоологический журнал, 2024, т. XVI, № 4
Amurian Zoological Journal, 2024, vol. XVI, no. 4
www.azjournal.ru

Check for updates

https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029
https://zoobank.org/References/767BFB95-5201-4B98-BBEA-E6D5A705CD4D

UDC 595.722

New records of predatory long-legged flies (Diptera, Dolichopodidae) with a checklist of species from the Sverdlovsk Oblast, Russia, and a new synonym

I. Ya. Grichanov[1]✉, M. N. Koblova[2]

[1] All-Russian Institute of Plant Protection, 3 Podbelskiy Highway, 196608, Pushkin, Saint Petersburg, Russia
[2] Saint Petersburg State Agrarian University, 2 Peterburgskoe Highway, 196601, Pushkin, Saint Petersburg, Russia

Authors

Igor Ya. Grichanov
E-mail: grichanov@mail.ru
SPIN: 1438-5370
Scopus Author ID: 8672518800
ResearcherID: A-1406-2013
ORCID: 0000-0001-6367-836X

Mariya N. Koblova
E-mail: m-koblova@bk.ru
ORCID: 0009-0003-7225-7497

Abstract. During the recent 2023–2024 survey conducted in the Sverdlovsk Oblast, 17 Dolichopodidae species were collected, including 5 species new for this region. An annotated list of 64 species of the family in its fauna is compiled. *Dolichopus rufitinctus* Becker, 1917 is placed in synonymy with *D. linearis* Meigen, 1824 (**syn. nov.**). Most of the known species are common and widespread across the Palaearctic Region. *Campsicnemus varipes* Loew, 1859, *Dolichopus austriacus* Parent, 1927, and *Syntormon pallipes* (Fabricius, 1794) are mainly southern Palaearctic species. *Dolichopus zetterstedti* Stenhammar, 1851 is a northern element in the Sverdlovsk Oblast fauna. *Hydrophorus irinae* Negrobov, 1977 is a conditional endemic of the Middle Ural. The Sverdlovsk Oblast is the easternmost region of *Syntormon metathesis* (Loew, 1850), *S. monilis* (Haliday, 1851), and *Thrypticus laetus* Verrall, 1912. *Dolichopus uralensis* Stackelberg, 1933 is known only from Krasnoyarsk Kray and Urals including Yamalia. The rare *Sympycnus yakutensis* Negrobov, Grichanov, Selivanova, 2017 inhabits Central Yakutia and Sverdlovsk Oblast. The presence of European *Lamprochromus bifasciatus* (Macquart, 1827) is yet to be confirmed.

Copyright: © The Authors (2024). Published by Herzen State Pedagogical University of Russia. Open access under CC BY-NC License 4.0.

Keywords: Dolichopodidae, fauna, Sverdlovsk Oblast, sweep net, new records, checklist

Новые находки и список видов хищных мух-зеленушек (Diptera, Dolichopodidae) из Свердловской области, Россия, с новым синонимом

И. Я. Гричанов[1]✉, М. Н. Коблова[2]

[1] Всероссийский институт защиты растений, шоссе Подбельского, д. 3, 196608, г. Пушкин, г. Санкт-Петербург, Россия
[2] Санкт-Петербургский государственный аграрный университет, Петербургское шоссе, д. 2, 196601, г. Пушкин, г. Санкт-Петербург, Россия

Сведения об авторах

Гричанов Игорь Яковлевич
E-mail: grichanov@mail.ru
SPIN-код: 1438-5370
Scopus Author ID: 8672518800
ResearcherID: A-1406-2013
ORCID: 0000-0001-6367-836X

Коблова Мария Николаевна
E-mail: m-koblova@bk.ru
ORCID: 0009-0003-7225-7497

Права: © Авторы (2024). Опубликовано Российским государственным педагогическим университетом им. А. И. Герцена. Открытый доступ на условиях лицензии CC BY-NC 4.0.

Аннотация. Сборы мух-зеленушек в 2023–2024 гг. в Свердловской области выявили 17 видов Dolichopodidae, в том числе 5 видов новых для этого региона. Составлен аннотированный список 64 видов семейства, известных в области. *Dolichopus rufitinctus* Becker, 1917 сведен в синонимы к *D. linearis* Meigen, 1824 (**syn. nov.**). Большинство видов обычны и широко распространены на территории Палеарктики. *Campsicnemus varipes* Loew, 1859, *Dolichopus austriacus* Parent, 1927 и *Syntormon pallipes* (Fabricius, 1794) — преимущественно южнопалеарктические виды. *Dolichopus zetterstedti* Stenhammar, 1851 — северный элемент в фауне Свердловской области. *Hydrophorus irinae* Negrobov, 1977 — условный эндемик Среднего Урала. Область является самым восточным местом обитания *Syntormon metathesis* (Loew, 1850), *S. monilis* (Haliday, 1851) и *Thrypticus laetus* Verrall, 1912. *Dolichopus uralensis* Stackelberg, 1933 известен только в Красноярском крае и на Урале, включая Ямало-Ненецкий автономный округ. Редкий вид *Sympycnus yakutensis* Negrobov, Grichanov, Selivanova, 2017 населяет Центральную Якутию и Свердловскую область. Обитание в области европейского вида *Lamprochromus bifasciatus* (Macquart, 1827) требует подтверждения.

Ключевые слова: Dolichopodidae, фауна, Свердловская область, энтомологический сачок, новые указания, справочный список

Introduction

The predatory long-legged flies (Dolichopodidae including Parathalassiinae) are a large family with ca. 8460 species in the world fauna and ca. 1740 species in the fauna of the Palaearctic Region (Grichanov 2024). The first species of this family from the Sverdlovsk Oblast was collected and described as new for science (*Dolichopus rufitinctus*) by the famous German dipterist Theodor Becker during his expedition to the Urals in 1909 (Becker 1917). Maslova et al. (Maslova et al. 2011) published material on *Chrysotus laesus* (Wiedemann, 1817) based on a specimen collected in Yekaterinburg, Russia, in 1910. Negrobov reported *Hydrophorus borealis* Loew, 1857 from Sverdlovsk, Russia (Negrobov 1975). Negrobov also described a new species *Hydrophorus irinae* from Yekaterinburg (known as Sverdlovsk from 1924 to 1991), collected in 1929 (Negrobov 1977). Negrobov and Selivanova published a list of 54 Dolichopodidae species collected in 1976 along the road from Nizhnii Tagil to Nizhnyaya Salda (about 40 km distance between the cities), but did not provide exact dates and localities (Negrobov, Selivanova 2006). Since then, few species from this collection were published with label data (Kornev et al. 2011; 2013; Negrobov et al. 2017; Selivanova et al. 2019; Negrobov et al. 2020). So, 60 species were mentioned for the Sverdlovsk Oblast, but only eleven species were reported with collection labels.

The most part of the Sverdlovsk Oblast is located in the West Siberian taiga ecoregion in contrast to the narrow westernmost band belonging to the Urals montane forest ecoregion (Ecoregions 2017). In this paper, we provide information on new records for 17 species, including five species reported for the first time from the region, and propose placing one species name in synonymy.

 https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029

Material and methods

The materials were collected by the junior author during the expeditions in 2023 and 2024. The key method was sweep netting. The specimens are kept in ethanol and will be deposited in the collections of the Zoological Institute of the Russian Academy of Sciences (ZISP), Saint Petersburg, Russia. Specimens of *Dolichopus linearis* Meigen, 1824 have been studied and photographed with a ZEISS Discovery V-12 stereo microscope and an AxioCam MRc5 camera. The information on the global distribution for each collected species is taken from the online database (Grichanov 2024). All new data are included in the following annotated checklist. Genera and species are placed in the alphabetic order. New species for the Sverdlovsk Oblast are marked with an asterisk (*).

Checklist and new records

Genus ***Campsicnemus*** Haliday, 1851

1. Campsicnemus armatus (Zetterstedt, 1849)
References. Negrobov, Selivanova 2006.

2. *Campsicnemus curvipes (Fallén, 1823)
Material. 1♀, Sverdlovsk Oblast, Nevyansk, Nevyansky pond, Nevyansky district, 57.46° N, 60.24° E, 05.08.2023, Koblova; 1♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 07.08.2023, Koblova.

3. Campsicnemus magius (Loew, 1845)
References. Negrobov, Selivanova 2006.
Notes. This species is mainly found in the southern Palaearctic area, from England to Middle Asia. The Sverdlovsk Oblast is one of the northernmost regions of its inhabitation.

4. Campsicnemus marginatus (Loew, 1857)
References. Negrobov, Selivanova 2006.

5. Campsicnemus scambus (Fallén, 1823)
References. Negrobov, Selivanova 2006.
Material. 1♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 03.08.2023, Koblova; 2♂, 4♀, Sverdlovsk Oblast, Nevyansk, Nevyansky pond, Nevyansky district, 57.46° N, 60.24° E, 05.08.2023, Koblova; 1♂, Sverdlovsk Oblast, Turinsk, Zagorodnaya street, 58.042914° N, 63.686219° E, 09.08.2024, Koblova; 2♀, Sverdlovsk Oblast, Sysert, Black River, 56.508115° N, 60.756000° E, 26.08.2024, Koblova.

6. Campsicnemus varipes (Loew, 1859)
References. Negrobov, Selivanova 2006.
Notes. This species is mainly found in the southern Palaearctic area, in southern Europe and Middle Asia. The Sverdlovsk Oblast is the northernmost region of its inhabitation.

Campsicnemus sp.
Material. 1♀, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 10.08.2023, Koblova; 2♀, Sverdlovsk Oblast, Sysert, Black River, 56.508115° N, 60.756000° E, 26.08.2024, Koblova.
Note. The females are collected without known males; therefore, we leave the specimens unidentified.

Genus ***Chrysotus*** Meigen, 1824

7. Chrysotus laesus (Wiedemann, 1817)
References. Maslova et al. 2011.

Genus ***Dolichopus*** Latreille, 1796

8. Dolichopus agilis (Meigen, 1824)
References. Negrobov, Selivanova 2006.

9. Dolichopus angustipennis (Kertész, 1901)
References. Negrobov, Selivanova 2006; Kornev et al. 2011.
Material. 3♂, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova.

10. Dolichopus apicalis (Zetterstedt, 1849)
References. Negrobov, Selivanova 2006.
Material. 1♂, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova.

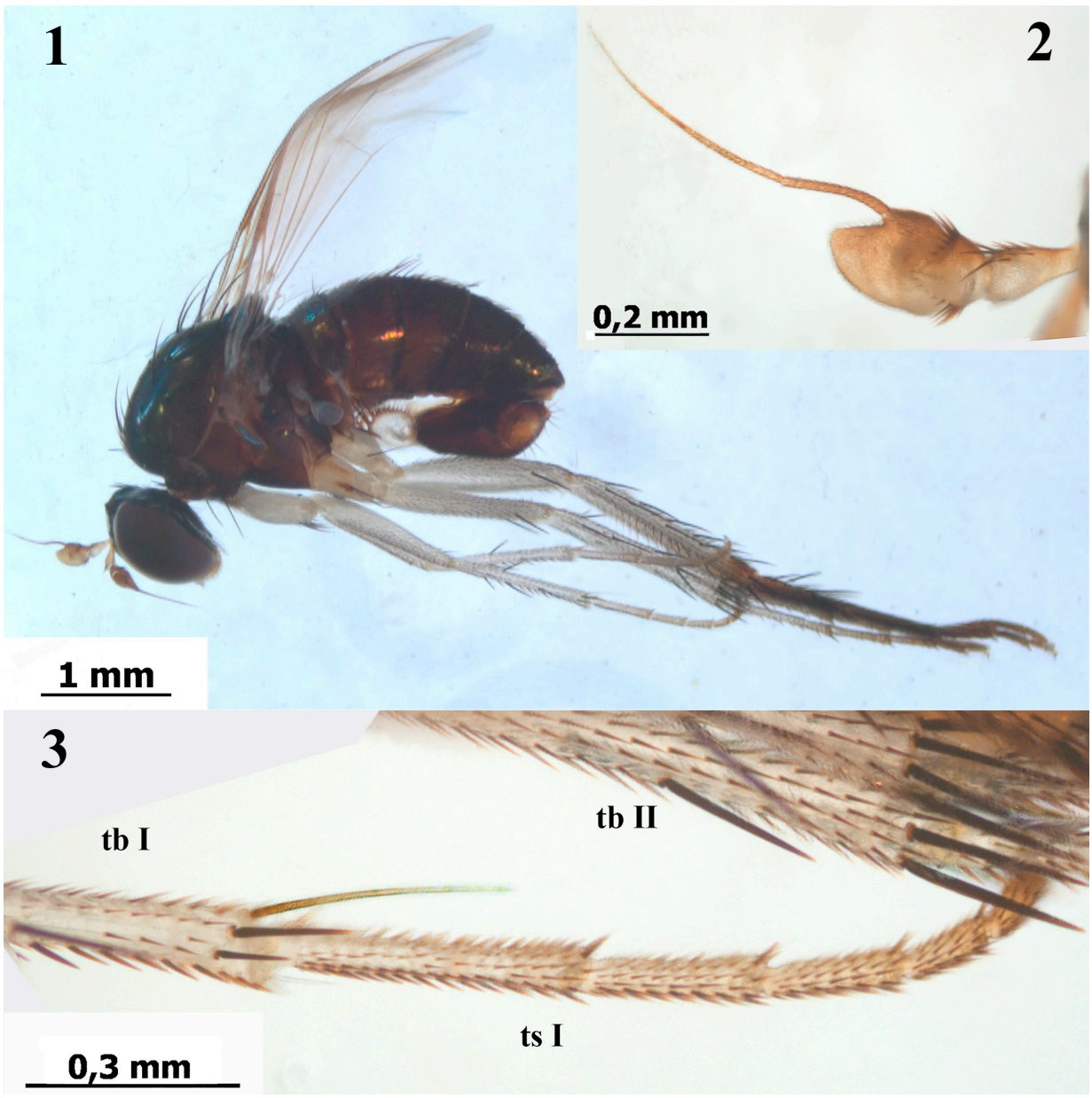
11. Dolichopus argyrotarsis (Wahlberg, 1850)
References. Negrobov, Selivanova 2006.

12. Dolichopus annulipes (Zetterstedt, 1838)
= *Dolichopus stenhammari* Zetterstedt, 1843
References. Negrobov, Selivanova 2006 (as *Dolichopus stenhammari*).

13. Dolichopus armillatus (Wahlberg, 1850)
References. Negrobov, Selivanova 2006.

14. Dolichopus atripes (Meigen, 1824)
References. Negrobov, Selivanova 2006.

15. *Dolichopus austriacus (Parent, 1927)
Material. 1♂, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova.



Figs. 1–3. *Dolichopus linearis* (Meigen, 1824), ♂: *1* — habitus; *2* — antenna; *3* — podomeres. Abbreviations: *tb I* — fore tibia; *tb II* — mid tibia; *ts I* — fore tarsus

Рис. 1–3. *Dolichopus linearis* (Meigen, 1824), ♂: *1* — внешний вид; *2* — усик; *3* — сегменты конечностей. Условные обозначения: *tb I* — передняя голень; *tb II* — средняя голень; *ts I* — передняя лапка

Notes. This species is mainly found in the southern Palaearctic area, in southern Europe and Middle Asia. The Sverdlovsk Oblast is the northernmost region of its inhabitation.

16. Dolichopus brevipennis (Meigen, 1824)
References. Negrobov, Selivanova 2006.

17. Dolichopus campestris (Meigen, 1824)
References. Negrobov, Selivanova 2006.
Material. 1♀, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova.

18. Dolichopus cilifemoratus (Macquart, 1827)
References. Negrobov, Selivanova 2006.

19. Dolichopus claviger (Stannius, 1831)
References. Negrobov, Selivanova 2006.

20. Dolichopus clavipes (Haliday, 1832)
References. Negrobov, Selivanova 2006.

21. Dolichopus discifer (Stannius, 1831)
= *Dolichopus nigricornis* Becker, 1917, nec Meigen, 1824
References. Negrobov, Selivanova 2006 (as *Dolichopus nigricornis*).

 https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029

22. Dolichopus festivus (Haliday, 1832)
References. Negrobov, Selivanova 2006.
23. Dolichopus latilimbatus (Macquart, 1827)
References. Negrobov, Selivanova 2006.
Material. 1♂, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 07.08.2023, Koblova.
24. Dolichopus lepidus (Staeger, 1842)
References. Negrobov, Selivanova 2006.
25. Dolichopus linearis (Meigen, 1824)
Figs. 1–3
References. Negrobov, Selivanova 2006.
=*Dolichopus rufitinctus* Becker, 1917: 154, **syn. nov.** Type-locality: 'Ural bei Newiansk' (=Sverdlovsk Oblast, Nevyansk).
Material. 1♂, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 08.08.2023, Koblova; 1♂, Sverdlovsk Oblast, Turinsk, Zagorodnaya Street, 58.042914° N, 63.686219° E, 23.07.2024, Koblova.
Notes. Becker described his new species from the single male (Becker 1917), which was never studied later, and *D. rufitinctus* was never reported again outside the type locality in the Sverdlovsk Oblast. It was described with entirely yellow antennae (Fig. 2) and almost entirely yellow coxae (Fig. 1); the characters are unusual for the boreal *Dolichopus* species, but sometimes found in juvenile and discolored specimens. The male was described having 'Vorderschienen ohne Endborste an der Spitze der Unterseite; Mittelschienen ebendort mit einer deutlichen Borste' (fore tibia without apical seta on ventral side; mid tibia with distinct seta at the same place). The long apical ventral seta on fore tibia (Fig. 3) is a diagnostic male character for many *Dolichopus* species, while the mid tibia always bears a crown of 4–5 apical setae in this genus. Keeping in mind that the location of the mentioned above seta was mistakenly determined, *D. rufitinctus* is indistinguishable from *D. linearis* by morphological features. The latter is a widespread Trans-Palaearctic species, common in some places. It was collected several times in the environs of Yekaterinburg, not far from the type locality of *D. rufitinctus*. Therefore, we consider the two names as synonyms.
26. Dolichopus lineatocornis (Zetterstedt, 1843)
References. Negrobov, Selivanova 2006.
27. Dolichopus longitarsis (Stannius, 1831)
References. Negrobov, Selivanova 2006.
28. Dolichopus migrans (Zetterstedt, 1843)
References. Negrobov, Selivanova 2006.
29. Dolichopus nitidus (Fallén, 1823)
References. Negrobov, Selivanova 2006.
Material. 1♀, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova; 3♂, 4♀, Sverdlovsk Oblast, Sysert, Black River, 56.508115° N, 60.756000° E, 26.08.2024, Koblova.
30. Dolichopus pennatus (Meigen, 1824)
References. Negrobov, Selivanova 2006; Selivanova et al. 2019.
31. Dolichopus planitarsis (Fallén, 1823)
References. Negrobov, Selivanova 2006.
32. Dolichopus plumipes (Scopoli, 1763)
References. Negrobov, Selivanova 2006.
Material. 1♂, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 10.08.2023, Koblova; 2♂, 3♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 03.08.2023, Koblova; 3♂, Yekaterinburg, Iset River, Leninsky district, 56.83° N, 60.60° E, 07.08.2023, Koblova; 1♂, 1♀, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova; 2♂, 2♀, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 08.08.2023, Koblova; 1♂, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova; 11♂, 6♀, Sverdlovsk Oblast, Nevyansk, Nevyansky pond, Nevyansky district, 57.46° N, 60.24° E, 05.08.2023, Koblova; 1♂, 1♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 07.08.2023, Koblova; Yekaterinburg, Poselok Polevodstvo, 56.705475° N, 60.554445° E, 04.08.2024, Koblova; 1♂, Sverdlovsk Oblast, Turinsk, Zagorodnaya street, 58.042914° N, 63.686219° E, 09.08.2024, Koblova.
33. Dolichopus popularis (Wiedemann, 1817)
References. Negrobov, Selivanova 2006.
34. Dolichopus rupestris (Haliday, 1833)
References. Negrobov, Selivanova 2006.
35. Dolichopus signatus (Meigen, 1824)
References. Negrobov, Selivanova 2006.

Fig. 4. Iset River shore near Yekaterinburg
Рис. 4. Берег реки Исеть под Екатеринбургом

36. Dolichopus simius (Parent, 1927)
References. Negrobov, Selivanova 2006; Kornev et al. 2013.
37. Dolichopus simplex (Meigen, 1824)
References. Negrobov, Selivanova 2006.
38. Dolichopus ungulatus (Linnaeus, 1758)
References. Negrobov, Selivanova 2006.
39. Dolichopus uralensis (Stackelberg, 1933)
References. Negrobov, Selivanova 2006.
Notes. This is a rare species distributed mainly in the North of West and Central Siberia.
40. Dolichopus urbanus (Meigen, 1824)
References. Negrobov, Selivanova 2006.
41. Dolichopus zetterstedti (Stenhammar, 1851)
References. Negrobov, Selivanova 2006.
Notes. This is a rare species distributed mainly in the northern parts of the Palaearctic.

Genus ***Gymnopternus*** Loew, 1857

42. Gymnopternus aerosus (Fallén, 1823)
References. Negrobov, Selivanova 2006 (as *Hercostomus aerosus*).
43. Gymnopternus angustifrons (Staeger, 1842)
References. Negrobov, Selivanova 2006 (as *Hercostomus angustifrons*).
44. Gymnopternus celer (Meigen, 1824)
References. Negrobov, Selivanova 2006 (as *Hercostomus celer*).
45. Gymnopternus metallicus (Stannius, 1831)
References. Negrobov, Selivanova 2006 (as *Hercostomus metallicus*).

Genus ***Hydrophorus*** Fallén, 1823

46. Hydrophorus borealis (Loew, 1857)
References. Negrobov 1975 (Sverdlovsk).
47. Hydrophorus irinae (Negrobov, 1977)
References. Negrobov 1977 (Yekaterinburg).
Notes. This species was never reported again after description.
48. Hydrophorus pectinatus (Gerschtacker, 1864)
References. Negrobov, Selivanova 2006.
49. Hydrophorus sp.
Material. 2♀, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 10.08.2023, Koblova.

 https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029

Fig. 5. Black River shore near Sysert
Рис. 5. Берег реки Черной в районе Сысерти

Note. The two females are collected without known males; therefore, we leave the specimens unidentified.

Genus ***Lamprochromus*** Mik, 1878

49. Lamprochromus bifasciatus (Macquart, 1827)

References. Negrobov, Selivanova 2006.

Notes. *Lamprochromus bifasciatus* is a European species with the nearest record from the Leningrad Oblast of Russia (Grichanov, Ahmadi 2017). It was confused with some other species of the genus in old literature, and the record from Sverdlovsk needs confirmation.

Genus ***Poecilobothrus*** Mik, 1878

50. *Poecilobothrus chrysozygos (Wiedemann, 1817)

Material. 1♀, Sverdlovsk Oblast, Turinsk, Zagorodnaya street, 58.042914° N, 63.686219° E, 23.07.2024, Koblova.

Genus ***Rhaphium*** Meigen, 1803

51. Rhaphium caliginosum (Meigen, 1824)

References. Negrobov, Selivanova 2006.

Material. 2♂, 10♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 03.08.2023, Koblova; 3♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 07.08.2023, Koblova.

52. Rhaphium commune (Meigen, 1824)

References. Negrobov, Selivanova 2006.

53. Rhaphium elegantulum (Meigen, 1824)

References. Negrobov, Selivanova 2006; Negrobov et al. 2020.

Material. 1♂, 2♀, Sverdlovsk Oblast, Sysert, Black River, 56.508115° N, 60.756000° E, 26.08.2024, Koblova.

54. *Rhaphium micans (Meigen, 1824)

Material. 1♂, 2♀, Sverdlovsk Oblast, Sysert, Black River, 56.508115° N, 60.756000° E, 26.08.2024, Koblova.

55. Rhaphium monotrichum (Loew, 1850)
References. Negrobov, Selivanova 2006.
56. Rhaphium nasutum (Fallén, 1823)
References. Negrobov, Selivanova 2006; Negrobov et al. 2020.
57. Rhaphium patellitarse (Becker, 1900)
References. Negrobov et al. 2020.

Genus ***Sympycnus*** Loew, 1857

58. Sympycnus pulicarius (Fallén, 1823)
References. Negrobov et al. 2017.
Material. 1♀, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 10.08.2023, Koblova; 1♂, Yekaterinburg, Verkh-Isetsky pond, Verkh-Isetsky district, 56.83° N, 60.53° E, 09.08.2023, Koblova; 2♀, Yekaterinburg, Razdolnaya 26, Oktyabrsky district, 56.80° N, 60.79° E, 08.08.2023, Koblova; 1♂, 1♀, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 03.08.2023, Koblova.
59. *Sympycnus yakutensis Negrobov, Grichanov, Selivanova, 2017
Material. 1♂, Yekaterinburg, Iset River, Verkh-Isetsky district, 56.84° N, 60.56° E, 07.08.2023, Koblova.
Notes. This species was described from Yakutia, Lena — Amga interfluves (Negrobov et al. 2017). It is recorded here for the first time after description.

Genus ***Syntormon*** Loew, 1857

60. Syntormon metathesis (Loew, 1850)
References. Negrobov, Selivanova 2006.
Material. 1♀, Sverdlovsk Oblast, Nevyansk, Nevyansky pond, Nevyansky district, 57.46° N, 60.24° E, 05.08.2023, Koblova.
Notes. This species is mainly found in Europe. The Sverdlovsk Oblast is the easternmost region of its inhabitation.
61. Syntormon monile (Haliday, 1851)
References. Negrobov, Selivanova 2006.
Notes. This species is mainly found in the western Palaearctic area. The Sverdlovsk Oblast is the easternmost region of its inhabitation.
62. Syntormon pallipes (Fabricius, 1794)
References. Negrobov, Selivanova 2006.
Notes. This species is mainly found in the western and southern Palaearctic area. The Sverdlovsk Oblast is the easternmost region of its inhabitation in Russia.
63. Syntormon pumilus (Meigen, 1824)
References. Negrobov, Selivanova 2006.

Genus ***Thrypticus*** Gerstaecker, 1864

64. Thrypticus laetus (Verrall, 1912)
References. Negrobov, Selivanova 2006.
Notes. This is a rare European species with the nearest record from the Voronezh Oblast of Russia (Grichanov 2024).

Conclusion

As a result of our study, 17 Dolichopodidae species are recorded from the central and southern parts of Sverdlovsk Oblast, collected from wet localities (Figs. 4–5). An annotated list of its fauna is compiled. *Dolichopus rufitinctus* is placed in synonymy with *D. linearis* (**syn. nov.**). Most of the known species are common and widespread across Palaearctic Region. *Campsicnemus varipes* Loew, 1859, *Dolichopus austriacus* and *Syntormon pallipes* are mainly southern Palaearctic species. *Dolichopus zetterstedti* is a northern element in the fauna of Sverdlovsk Oblast. *Hydrophorus irinae* is a conditional endemic of the Middle Ural. The Sverdlovsk Oblast is the easternmost region of *Syntormon metathesis*, *S. monilis* and *Thrypticus laetus* inhabitation. *Dolichopus uralensis* is known only from Krasnoyarsk Kray and Urals including Yamalia. The rare *Sympycnus yakutensis* inhabits Central Yakutia and Sverdlovsk Oblast. The presence of European *Lamprochromus bifasciatus* here must be confirmed. Now a total of 64 species of the family Dolichopodidae are presented in this Oblast.

Acknowledgements

Drs. Nikita Vikhrev (Moscow) and Igor Shamshev (Saint Petersburg) kindly commented on the earlier draft of the manuscript.

Funding

This work was supported by the All-Russian Institute of Plant Protection, research project No. FGEU-2022-0002.

References

Becker, T. (1917) Dipterologische Studien. Dolichopodidae. A. Paläarktische Region [Dipterological studies. Dolichopodidae. A. Palaearctic Region]. *Nova Acta Academiae Caesareae Leopodinisch-Carolinae Germanicae Naturae Curiosorum*, vol. 102, no. 2, pp. 113–361. (In German)

Ecoregions. (2017) [Online]. Available at: https://ecoregions2017.appspot.com (accessed 01.09.2024). (In English)

Grichanov, I. Ya. (2024) A checklist of species of the family Dolichopodidae (Diptera) of the World arranged by alphabetic list of generic names. *All about Dolichopodidae (Diptera: Empidoidea) by Igor Grichanov*. [Online]. Available at: http://grichanov.aiq.ru/Genera3.htm (accessed 01.10.2024). (In English)

Grichanov, I. Ya., Ahmadi, A. (2017) Palearkticheskie vidy roda *Lamprochromus* Mik, 1878 (Diptera: Dolichopodidae) [Palaearctic species of the genus *Lamprochromus* Mik, 1878 (Diptera: Dolichopodidae)]. *Dal'nevostochnyj entomolog — Far Eastern Entomologist*, no. 336, pp. 1–12. (In English)

Kornev, I. I., Negrobov, O. P., Maslova, O. O. (2011) Novye dannye po sistematike samok roda *Dolichopus* Latreille, 1796 (Diptera: Dolichopodidae) [New systematic data on females of the genus *Dolichopus* Latreille, 1796 (Diptera: Dolichopodidae)]. *Kavkazskij entomologicheskij byulleten' — Caucasian Entomological Bulletin*, vol. 7, no. 2, pp. 235–240. https://www.doi.org/10.23885/1814-3326-2011-7-2-235-239 (In Russian)

Kornev, I. I., Negrobov, O. P., Selivanova, O. V. (2013) Novye dannye po faune i sistematike *Dolichopus simius* Parent, 1927 (Dolichopodidae, Diptera) [New data on the distribution and systematic of *Dolichopus simius* Parent, 1927 (Dolichopodidae, Diptera)]. *Amurskij zoologicheskij zhurnal — Amurian Zoological Journal*, vol. 5, no. 2, pp. 147–150. https://doi.org/10.33910/1999-4079-2013-5-2-147-150 (In Russian)

Maslova, O. O., Negrobov, O. P., Selivanova, O. V. (2011) Fauna roda *Chrysotus* Meigen (Diptera, Dolichopodidae) Rossii. Chast' 1. Vidy gruppy *Ch. cilipes* Meigen i *Ch. laesus* Wied [Russian fauna of the genus *Chrysotus* Meigen (Diptera, Dolichopodidae). Part 1. Group of species *Ch. cilipes* Meigen and *Ch. laesus* Wied]. *Entomologicheskoe obozrenie — Entomological Revue*, vol. 90, no. 2, pp. 464–468. (In Russian)

Negrobov, O. P. (1975) Vidy roda *Hydrophorus* (Dolichopodidae, Diptera) fauny SSSR [Species of the genus *Hydrophorus* (Dolichopodidae, Diptera) of the USSR fauna]. In: *Problemy izucheniya i okhrany landshaftov [Problems of landscape study and protection]*. Vol. 2. Voronezh: Voronezh State University Publ., pp. 63–66. (In Russian)

Negrobov, O. P. (1977) Dolichopodidae, Unterfamilie Hydrophorinae, Unterfamilie Rhaphiinae [Dolichopodidae, Subfamily Hydrophorinae, Subfamily Rhaphiinae]. In: E. Lindner (ed.). *Die Fliegen der Palaearktischen Region [The flies of the Palaearctic]*. Bd. 29. Lf. 316. Stuttgart: E. Schweizerbart Verlag, S. 347–386. (In German)

Negrobov, O. P, Selivanova, O. V. (2006) K izucheniyu vidov semejstva Dolichopodidae (Diptera) Sverdlovskoj oblasti [To the study of species of the family Dolichopodidae (Diptera) of the Sverdlovsk region]. In: *Entomologicheskie issledovaniya v Severnoj Evrazii. Materialy VII Mezhregional'nogo soveshchaniya entomologov Sibiri i Dal'nego Vostoka v ramkakh Sibirskoj zoologicheskoj konferentsii [Entomological studies in North Asia. Proceedings of the VII Interregional meeting of entomologists of Siberia and the Far East within the framework of the Siberian zoological conference]*. Novosibirsk: Institute of Systematics and Ecology of Animals SB RAS Publ., pp. 110–112. (In Russian)

Negrobov, O. P., Grichanov, I. Ya., Selivanova, O. V. (2017) Review of East Palaearctic species of *Sympycnus* Loew, 1857, with a key to species. *Zootaxa*, vol. 4277, no. 4, pp. 531–548. https://doi.org/10.11646/zootaxa.4277.4.4 (In English)

Negrobov, O. P., Maslova, O. O., Chursina, M. A. (2020) New records of *Rhaphium* (Dolichopodidae, Diptera) from Russia. *Acta Biologica Sibirica*, vol. 6, no. 2, pp. 49–57. https://www.doi.org/10.3897/abs.6.e53125 (In English)

Selivanova, O. V., Negrobov, O. P., Maslova, O. O. (2019) Novye dannye po sistematike i faune *Dolichopus subpennatus* D'Assis Fonseca, 1976 i *Dolichopus pennatus* Meigen, 1824 (Dolichopodidae, Diptera) [New data on the systematics and fauna of *Dolichopus subpennatus* D'Assis Fonseca, 1976 and *Dolichopus pennatus* Meigen, 1824 (Dolichopodidae, Diptera)]. *Acta Biologica Sibirica*, vol. 5, no. 2, pp. 111–114. https://doi.org/10.14258/abs.v5.i2.6193 (In Russian)

For citation: Grichanov, I. Ya., Koblova, M. N. (2024) New records of predatory long-legged flies (Diptera, Dolichopodidae) with a checklist of species from the Sverdlovsk Oblast, Russia, and a new synonym. *Amurian Zoological Journal*, vol. XVI, no. 4, pp. 1021–1029. https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029

Received 20 November 2024; reviewed 6 December 2024; accepted 20 December 2024.

Для цитирования: Гричанов, И. Я., Коблова, М. Н. (2024) Новые находки и список видов хищных мух-зеленушек (Diptera, Dolichopodidae) из Свердловской области, Россия, с новым синонимом. *Амурский зоологический журнал*, т. XVI, № 4, с. 1021–1029. https://www.doi.org/10.33910/2686-9519-2024-16-4-1021-1029

Получена 20 ноября 2024; прошла рецензирование 6 декабря 2024; принята 20 декабря 2024.