

New data on the fauna of Pyrgotidae (Diptera, Acalyptrata) of the Russian Far East

Новые данные по фауне Pyrgotidae (Diptera, Acalyptrata) Дальнего Востока России

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Ключевые слова: Pyrgotidae, Diptera, Приморский край, Хабаровский край, новые находки.

Abstract. Based on the collection of the Zoological Museum of the Institute of Systematics and Ecology of Animals and the Diptera collection of the Federal State Institution 'Zapovednoe Priamurye', five species of the Pyrgotidae are first recorded from Khabarovskii Krai, namely: *Adapsilia myopoides* Chen, 1947, *Eupyrigota flavopilosa* Hendel, 1914, *Geloemyia dorsocentralis* (Hering, 1940), *G. wonjuensis* Kim et Han, 2001, and *Tephritopyrgota microceras* (Portschinsky, 1892).

Резюме. На основании коллекции зоомазея ИСиЭЖ СО РАН и специальных сборов двукрылых на территории ФГБУ «Заповедное Приамурье» впервые для Хабаровского края указаны 5 видов Pyrgotidae: *Adapsilia myopoides* Chen, 1947, *Eupyrigota flavopilosa* Hendel, 1914, *Geloemyia dorsocentralis* (Hering, 1940), *G. wonjuensis* Kim et Han, 2001 и *Tephritopyrgota microceras* (Portschinsky, 1892).

The World fauna of Pyrgotidae (Diptera) accounts for some 330 species in 52 genera. To date, nine species in four genera have been found in the Russian Far East [Korneyev, Nartshuk, 2004, Nartshuk, Korneyev, 2005], of which only two have been recorded from Khabarovskii Krai: *Adapsilia coarctata* Waga, 1842 and *Parageloemyia wonjuensis* Kim et Han, 2001. Using a light trap, one of us V. Dubatolov (VD) collected five Pyrgotidae species from the southern part of Khabarovskii Krai; all of them are presented below. As VD was the main collector of the material studied, his name is not included under «Material»; the names of other collectors are provided. General distribution of the species follows Korneyev and Nartshuk [2004].

The material studied is deposited in the Institute of Systematics and Ecology of Animals, Siberian Branch of the RAS, in the collection of Siberian Zoological Museum, Novosibirsk.

Adapsilia coarctata Waga, 1842

Fig. 1.

Adapsilia coarctata Waga, 1842: Korneyev, 2004: 24; Nartshuk, 2004: 47; Korneyev, Nartshuk, 2004: 405; Nartshuk, Korneyev, 2005: 3 (Amurskaya Oblast, Khabarovskii Krai and Primorskii Krai).

Material. Primorskii Krai: Ussury Nature Reserve, Shkotovo Distr., nr cordon Peishula, by light, 26.VIII.2014, V.K. Zinchenko, V.G. Bezborodov — 1♂, 2♀♀.

Distribution. Europe, the north Caucasus, Mongolia, the Russian Far East: Amurskaya Oblast, Khabarovskii Krai, the southern regions of Primorskii Krai; South Korea, China (Heilongjiang), Japan.

Adapsilia myopoides Chen, 1947

Fig. 2.

Adapsilia myopoides Chen, 1947: Korneyev, Nartshuk, 2004: 405; Nartshuk, Korneyev, 2005: 7 (Primorskii Krai).

Material. Khabarovskii Krai: Bolonskii Nature Reserve, cordon Kirpu, Amur River flood-plain, forest on a sandy elevation («ryolka»), 49°30.4' N, 136°02' E, by light trap, 15–16.IX.2016 — 2♀♀; forest «ryolka Tsheremshynaya», 49°35.5' N, 136°07.5' E, by light trap, 22–23.VIII.2017 — 5♂♂; Bolshekhokhtyrskii Nature Reserve, Chirki bog near a bridge across Chirki River, 48°09' N, 135°08' E, by light trap, 3–4.VII.2018 — 1♀; Bychikha Vill., 48°18' N, 134°49' E, by light, 26–27.VIII.2016 — 1♂; Great Ussuriiskii Island, xerophytic meadow, 48°22.215' N, 134°49.41' E, by light trap, 2–3.VII.2013 — 2♀♀, the same locality, mesophytic meadow, 48°23.56' N, 134°52.65' E, by light trap, 24–25.VII, 8–9.IX.2016 — 1♂, 2♀♀. **Primorskii Krai:** Ussury Distr., Kamenushka Vill., 23–24.VIII.2011, A.V. Korshunov — 1♀.

Distribution. Russia: Khabarovskii Krai (the first record!), Primorskii Krai; north-eastern China (Jilin).

Eupyrigota flavopilosa Hendel, 1914

Fig. 3.

Eupyrigota flavopilosa Hendel, 1914: Korneyev, Nartshuk, 2004: 405; Nartshuk, Korneyev, 2005: 8 (Primorskii Krai).

Material. Khabarovskii Krai: Bolshekhokhtyrskii Nature Reserve, Bychikha Vill., 48°17–18' N, 134°49–50' E, 8.VIII.2005 —

1♀; **Primorskii Krai:** Khasanskii District, Gamov Peninsula, Vitjaz bay: Vostochnyi Cottage, by light, 18–21, 27–28.VII.2022 — 11♂♂, 11♀♀, the same locality, a forest notch on southern slope, by light trap, 45°35.51' N, 131°11.58' E, 21–22.VII.2021, 26–27.VII.2022 — 4♀♀.

Distribution. Russia: Khabarovskii Krai (the first record!), Primorskii Krai; Japan (Honshu).

Geloemyia dorsocentralis (Hering, 1940)

Fig. 4.

Geloemyia dorsocentralis (Hering, 1940): Korneyev, 2004: 24; Korneyev, Nartshuk, 2004: 402; Nartshuk, Korneyev, 2005: 8 (Primorskii Krai).

Material. Russia: **Khabarovskii Krai:** Bolshekhokhtsyrskii Nature Reserve, Bychikha Vill, by light, 48°18' N, 134°49' E, 24–25.VI.2019 — 1♀.

Distribution. Russia: Khabarovskii Krai (the first record!), the southern part of Primorskii Krai; north-eastern China (Heilongjiang).

Geloemyia wonjuensis Kim et Han, 2001

Fig. 5.

Geloemyia wonjuensis Kim et Han, 2001: Nartshuk, Korneyev, 2005: 8 (Primorskii Krai).

Material. **Khabarovskii Krai:** Bolshekhokhtsyrskii Nature Reserve, the frontier post Chirki, by light trap, 48°11'11" N, 134°41'33" E, 16–17.V.2019 — 2♀♀.

Distribution. Russia: Khabarovskii Krai (the first record!), Primorskii Krai; South Korea.

Remark. The species was described from South Korea. In the Russian Primorie Territory, it was collected from Vinogradovka long time ago, in 1929 [Nartshuk, Korneyev, 2005].

Tephritopyrgota microceras
(Portschinsky, 1892)

Fig. 6.

Tephritopyrgota microceras (Portschinsky, 1892): Korneyev, 2004: 32; Korneyev, Nartshuk, 2004: 402; Nartshuk, Korneyev, 2005: 5 (southern Primorskii Krai).

Material. **Khabarovskii Krai:** Bolshekhokhtsyrskii Nature Reserve, Chirki bog near a bridge across Chirki River, *Larix* forest edge, by light trap, 48°08.0' N, 135°07.5' E, 2–3.VI.2016 — 1♀.

Distribution. Russia: Khabarovskii Krai (the first record!), Primorskii Krai; North and South Korea.



Figs 1–6. Pyrgotidae spp. from the Russian Far East, external appearance. 1 — *Adapsilia coarctata* Waga; 2 — *A. myopoides* Chen; 3 — *Eupyrgota flavopilosa* Hendel; 4 — *Geloemyia dorsoventralis* (Hering); 5 — *G. wonjuensis* Kim et Han; 6 — *Tephritopyrgota microceras* (Portschinsky). Scale bar — 5 mm.

Рис. 1–6. Pyrgotidae spp. с Дальнего Востока России, внешний вид. 1 — *Adapsilia coarctata* Waga; 2 — *A. myopoides* Chen; 3 — *Eupyrgota flavopilosa* Hendel; 4 — *Geloemyia dorsoventralis* (Hering); 5 — *G. wonjuensis* Kim et Han; 6 — *Tephritopyrgota microceras* (Portschinsky). Масштабная линейка — 5 мм.

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