

***Forficula mikado* (Burr, 1904) (Dermaptera, Forficulidae),
a little known earwig from the Russian Far East**

***Forficula mikado* (Burr, 1904) (Dermaptera, Forficulidae) — малоизвестная
уховёртка с Дальнего Востока России**

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Key words: earwigs, Sakhalin, Moneron, Kunashir, new records, *Forficula mikado*.

Ключевые слова: уховёртки, Сахалин, Монерон, Кунашир, новые находки, *Forficula mikado*.

Abstract. *Forficula mikado* (Burr, 1904) is for the first time recorded from Sakhalin, Moneron and Kunashir Islands. Formerly it was reported by Japanese entomologists from the former Karafuto Prefecture (which included both southern Sakhalin and Moneron) without exact location. It was collected in synantropic territories, but in Sakhalin also in native forests.

Резюме. Впервые с островов Сахалин, Монерон и Кунашир приводится *Forficula mikado* (Burr, 1904). До этого он указывался из бывшего губернаторства Карафутто (включавшего как Южный Сахалин, так и Монерон) японскими энтомологами. На Кунашире вид собран близ жилища человека, хотя на Сахалине найден и в естественных лесах.

Introduction

Forficula mikado (Burr, 1904) was described from Japan; and G.Ya.Bey-Bienko [1936] reported this species from that country only. However, Japanese collectors have also recorded this species from Karafuto (southern Sakhalin and adjacent islands) without exact locality. Unfortunately, this information was published in Japanese [i.e. Nishikawa, 2009] and was omitted in Russian publications [Storozhenko, 1984]. This species is absent from «The Key to Insects of the Far East of the USSR» [Storozhenko, 1986]. Several specimens of this species, collected by Japanese entomologists, were found in the collection of the Sakhalin Regional Local Lore Museum. So, there are still no Russian publication about distribution of *F. mikado* within Sakhalin and South Kuril Islands.

Forficula mikado (Burr, 1904)

Figs 1–6.

Nishikawa, 2009: 62 (Karafuto [South Sakhalin and adjacent islands], Korea Peninsula, Japan (Honshu, north from central part). ... Hokkaido ... Rishiri ... Rebun) (in Japanese).

Material. **SAKHALIN:** Yuzhno-Sakhalinsk suburbs, Ostraya Mt., 11.VI.2006 — 2♀ (A. Vertyankin); Susunaiskii Range, Tshekhov Mt., 900 m, 26.VI.2011 — 1♀ (A. Vertyankin); Susunaiskii Range, the Uyunovka rivulet headwaters, 9.X.2011 — 1♀; Nevelskoe District, Amurskoe village, a quarry near a reservoir, on riparian vegetation, 46°35'40" N, 141°51'07" E, 8.IX.2023 — 1♂ (A. Vertyankin, A. Zaitsev); Nevelskoe District, Seleznyovka river headwaters, forest, on a tree in a trap with birch sap, 46°36'21" N, 141°52'40" E, 16–23.IX.2023 — 2♂, 1♀ (A. Vertyankin); Kholmsk District, Yasnomorskoe, 46°44'57" N, 141°54'55" E, 17–18.IX.2019 — 1♂; an offspur above Yasnomorskoe, 46°44'56" N, 141°54'57" E, by light trap, 16–17.IX.2019 — 1♀ (V. Dubatolov); **MONERON:** Kaibato [=Moneron], VIII.1937 — 1♀, 10.IX.1937 — 2♂, 2♀, 21.VI.1938 — 1♀ (T. Takahashi); **KUNASHIR:** Danilovskii Kordon, 43°57'17" N, 145°35'34" E, 1.IX.2024 — 1♂ (Dubatolov); Yuzhno-Kurilsk, the Nature Reserve administration house, 44°02'23" N, 145°51'38" E, 26.IX.2024 — 2♂2♀ (Yakovlev), 28.IX.2024 — 1♂ (Dubatolov).

Distribution. Russia: Sakhalinskaya Oblast': south part of Sakhalin, Moneron Is., Kuriles: Kunashir Is.; Japan: Hokkaido (including Rishiri and Rebun Is.), Honshu (central and northern parts) [Nishikawa, 2024]; Korea [Nishikawa, 2009; Haas, 2024].

Notes: The species differs from other Far Eastern congeners by a short basal broadening of male forceps (in *F. scuderi* Shiraki, 1928 and *F. robusta* Semenov, 1908 this broadening is much longer, to 1/3 or 1/2 of the forceps length), and a long pygidium (up to the apex of the basal broadening). Another Far Eastern earwig with short basal broadening is *Forficula vicaria* Semenov, 1902, but it has additional tooth



Figs 1–5. *Forficula mikado* (Burr, 1904) from Sakhalin and Moneron Islands: 1 — Sakhalin, Amurskoe, 2–3 — Sakhalin, Seleznyovka river; Moneron Island (Kaibato): 4 — male, 5 — female. Photo by A.V. Vertyankin.

Рис. 1–5. *Forficula mikado* (Burr, 1904) с островов Сахалин и Монерон: 1 — Сахалин, Амурское, 2–3 — Сахалин, река Селезнёвка; остров Монерон (Kaibato): 4 — самец, 5 — самка. Фото А.В. Вертянкина.

on the forceps distally from the basal broadening, and also a short pygidium.

In Kunashir, all *F. mikado* specimens were collected near seashore on a house outer wall or in the room strictly during nighttime. So, the species looks to be a synantropic species there. In nature, in forests (also on the baits with Kagor vine and sugar) and meadows near Andreevskii Kordon, only *Anechura harmandi* (Burr, 1904) were observed. In Yasnomorskoe, Sakhalin, the species was once collected on a house outer wall in nighttime, the second one in light trap at forest edge. Other specimens were collected in Sakhalin in mixed forests up to 900 m a.s.l.

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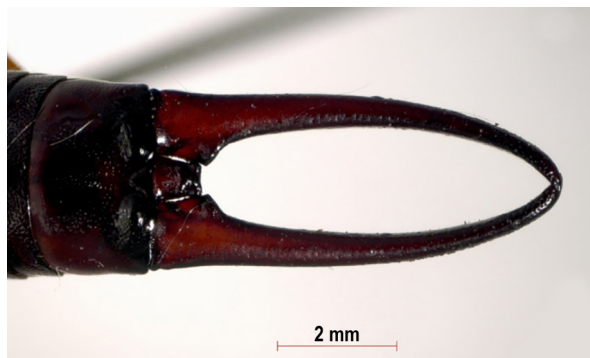


Fig. 6. *Forficula mikado* (Burr, 1904) from Kunashir Island, Andreevskii, male forceps. Photo by V.V. Dubatolov.

Рис. 6. *Forficula mikado* (Burr, 1904) с острова Кунашир, Андреевский, клещи самца. Фото В.В. Дубатолова.

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