

Heleomyzid Flies (Diptera: Heleomyzidae) Collected from the Kamchatka Peninsula and North Kuril Islands in 1996–1997

Tsunemaru Okadome¹⁾ and Ryoichi B. Kuranishi²⁾

¹⁾ Entomological Laboratory, Faculty of Agriculture, Meijo University,
Tenpaku-ku, Nagoya 468–8502, Japan

²⁾ Natural History Museum and Institute, Chiba 955–2 Aoba-cho,
Chuo-ku, Chiba 260–8682, Japan

Abstract Three heleomyzid species, *Neoleria inscripta* (Meigen), *Suillia atricornis* (Meigen), and *Suillia mikii* (Pokorny) are recorded from the Kamchatka Peninsula and North Kuril Islands, based on the material collected during the Biological Expedition to the Kamchatka Peninsula and North Kuril Islands in 1996 and 1997.

Key words: Diptera, Heleomyzidae, Kamchatka Peninsula, Kuril Islands.

Eighteen heleomyzid flies have been recorded from the Kamchatka Peninsula and Kuril Islands in the Far East region (Hendel, 1931; Gorodkov, 1963; 1965; 1977a; 1977b; 1979; 1984). Four genera and 13 species and five genera and 12 species have been recorded from the Kamchatka Peninsula and Kuril Islands, respectively, and seven species are common in both regions.

The Natural History Museum and Institute, Chiba, carried out the Biological Expedition to the Kamchatka Peninsula and North Kuril Islands in 1996 and 1997. It was a part of a project entitled “The Origin and Biogeography of the Northeast Asian Biota”, in cooperation with the Institute of Biology and Pedology and the Institute of Marine Biology belonging to the Far Eastern Branch of the Russian Academy of Sciences, Vladivostok. In this paper, a list of the heleomyzid flies is presented based on the material collected during the expedition.

Specimens were collected by sweeping with an entomological net in shrub around rivers and by light trap with a mercury lamp (160W). They are deposited in the Natural History Museum and Institute, Chiba (CBM with a code of ZI).

List of collected species

Family Heleomyzidae

1. *Neoleria inscripta* (Meigen, 1830)

Material examined. **North Kuril Islands.** Paramushir Island: 1 female, Shelekhovo (50°22' N, 155°37' E), alt. 10 m, 16. VII. 1997, R. B. Kuranishi leg.

Distribution. Europe, Russia and North America.

Remarks. This species differs from the Nearctic species, *Neoleria prominens* in having the mesonotum entirely dark gray to black and the dorsocentral bristles becoming gradually weaker anteriorly.

2. *Suillia atricornis* (Meigen, 1830)

Material examined. **Kamchatka Peninsula:** 1 female, Kozyrevka River, 135 km north of Milkovo (55°50' N, 159°35' E), 16. VII. 1996, R. B. Kuranishi leg.

Distribution. Europe, Russia, Alaska and Mongolia.

Remarks. This species is characterized by the predominantly brown to black antennae and only one humeral bristle; the surstyli is

symmetrical.

3. *Suillia mikii* (Pokorný, 1886)

Material examined. **Kamchatka Peninsula:** 1 male, Kozyrevka River, 135 km north of Milkovo (55°50' N, 159°35' E), 16. VII. 1996, R. B. Kuranishi leg.

Distribution. Europe, Russia and Mongolia.

Remarks. The male of this species is shiny testaceous and readily recognized by having the anterior tibia with long thin hairs on the lower side and the first segment of the anterior tarsi with a pointed and hook-shaped spine near apex on lower side; the surstyli is symmetrical.

References

- Gorodkov, K. B. 1963. On the fauna of Helomyzidae (Diptera) in the Kamchatka Region. In *Fauna Kamchatskoi oblasti. Trudy Kamchatskoi kompleksnoi ekspedicii*, pp. 82-105. Moscow and Leningrad. (In Russian)
- Gorodkov, K. B. 1965. On the forest fauna of helomyzid flies (Diptera) of eastern Siberia and the Far East of the USSR. *Ent. Obozr.* 44(4): 927-933. (In Russian)
- Gorodkov, K. B. 1977a. New species of the family Helomyzidae (Diptera) from Middle Asia. *Trudy Zool. Inst.* 71: 79-82. (In Russian)
- Gorodkov, K. B. 1977b. New species of Helomyzidae (Diptera) from the Asiatic Part of the USSR. *Ent. Obozr.* 56 (1): 211-222. (In Russian)
- Gorodkov, K. B. 1979. A new species of the genus *Suillia* R.-D. (Diptera, Helomyzidae) from South Siberia and Far East. *Trudy Zool. Inst.* 81: 111-115. (In Russian)
- Gorodkov, K. B. 1984. Family Helomyzidae. In *Soós, Á. and L. Papp (eds.), Catalogue of Palearctic Diptera* 10, pp. 15-45. Akadémiai Kiadó Budapest.
- Hendel, F. 1931. Entomologische Ergebnisse der schwedischen Kamtchatka Expedition 1920-1922. 34, Diptera. Brachycera. 3. *Ark. Zool.* 23 (7): 1-12.

1996-1997年に採集されたカムチャツカ半島・北千島のトゲハネバエ科昆虫

岡留恒丸¹⁾・倉西良²⁾

¹⁾ 名城大学農学部昆虫学研究室

〒468-8502 名古屋市天白区塩釜口1-501

²⁾ 千葉県立中央博物館

〒260-8682 千葉市中央区青葉町955-2

1996年と1997年に、カムチャツカ半島と北千島で千葉県立中央博物館とロシア科学アカデミーの生物学共同調査が行われ、スーピング法とライトトラップ法によりトゲハネバエ科昆虫を採集した。カムチャツカ半島から2属2種、北千島から1属1種のトゲハネバエ科昆虫を記録した。今回記録された種は、全北区や旧北区亜区に広く分布する種であった。