

Calliphorid and Sarcophagid Flies (Insecta: Diptera) Collected from the Kamchatka Peninsula and North Kuril Islands in 1996–1997

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Abstract Six species of calliphorid and one species of sarcophagid flies were collected from the Kamchatka Peninsula and North Kuril Islands. These species are as follows: *Calliphora vomitoria* (Linnaeus), *C. terraenovae* (Macquart), *C. genarum* Zetterstedt, *Cynomya mortorum* (Linnaeus), *Lucilia caesar* (Linnaeus), *Protophormia terraenovae* (Robinaeu-Desvoidy), *Wohrfahrtia meigeni* (Schiner).

Key words: Diptera, Calliphoridae, Sarcophagidae, Kamchatka Peninsula, Kuril Islands.

The Natural History Museum and Institute, Chiba, carried out the Biological Expedition to the Kamchatka Peninsula and the 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 co-operation 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 calliphorid and sarcophagid flies is presented based on the material collected from the Kamchatka Peninsula and North Kuril Island during the expedition.

The specimens studied were collected by sweeping with an entomological net in grassland. They are deposited in the Natural History Museum and Institute, Chiba (CBM with a code of ZI). World distribution of the species is outlined after authentic works (Schumann, 1986; Verves, 1986).

List of Collected Species

Family Calliphoridae

Calliphora vomitoria (Linnaeus, 1758)

Material examined. **Kamchatka Peninsula:** 1 male, 12. VII. 1996, Lotnaya River (river-

side) near Azhabach'ye Lake (56°07' N, 161°50' E), alt. ca. 20 m, R. B. Kuranishi leg., CBM-ZI 82545; 1 male, 1 female, 15. VII. 1996, Biological Station near Azhabach'ye Lake (56°11' N, 161°59' E), alt. ca. 20 m, R. B. Kuranishi leg., CBM-ZI 82544; 1 female, 10. VII. 1997, Nagorny, near Petropavlovsk-Kamchatskiy (53°07' N, 158°31' E), alt. ca. 150 m, R. B. Kuranishi leg., CBM-ZI 82546.

Distribution. All parts of Eurasia and North America.

Calliphora terraenovae (Macquart, 1851)

Material examined. **Kamchatka Peninsula:** 2 males, 15. VII. 1996, Biological Station near Azhabach'ye Lake (56°11' N, 161°59' E), alt. ca. 20 m, R. B. Kuranishi leg., CBM-ZI 82549.

North Kuril Islands: 2 males, 16. VII. 1997, Shelekhovo (50°22' N, 155°37' E), alt. 10 m, R. B. Kuranishi leg., CBM-ZI 82548.

Distribution. North America and Far East Russia.

Calliphora genarum Zetterstedt, 1938

Material examined. **North Kuril Islands:** 1 female, 13. VII. 1997, 3–8 km south of Severo-Kuril'sk (50°38' N, 156°08' E), alt. 5–30 m, A. Saito leg., CBM-ZI 82550; 1 male, 17. VII. 1997, Shelekhovo to Shimoyur River (50°22' N, 155°37' E–50°22' N, 155°34' E), alt.

0–100 m, A. Saito leg.

Distribution. Europe to Far East Russia.

***Cynomya mortuorum* (Linnaeus, 1758)**

Material examined. **Kamchatka Peninsula:** 1 male, 10. VII. 1996, riverside 25 km west of Klyuchi (56°19' N, 160°24' E), alt. ca. 150 m, R. B. Kuranishi leg., CBM-ZI 82551.

Distribution. Europe to Far East Russia, Mongolia and China.

***Lucilia caesar* (Linnaeus, 1758)**

Material examined. **Kamchatka Peninsula:** 1 male, 7. VII. 1997, 5 km south of Paratunka (53°05' N, 158°22' E), alt. 120 m, A. Saito leg., CBM-ZI 82539; 2 males, 1 female, 10. VII. 1997, Nagornyi, near Petropavlovsk-Kamchatskiy (53°07' N, 158°31' E), alt. ca. 150 m, R. B. Kuranishi leg., CBM-ZI 82541–82542; 2 males, 30. VII. 1997, Bystraya River basin, 30 km north of Ganaly, (53°58' N, 157°45' E) alt. ca. 390 m, A. Saito leg., CBM-ZI 82537–82538; 1 female, 9. VII. 1997, Tikhaya River, about 30 km from Petropavlovsk-Kamchatskiy (53°05' N, 158°22' E), alt. ca. 40 m, R. B. Kuranishi leg., CBM-ZI 82540.

North Kuril Islands: 1 male, 16. VII. 1997, Shelekhovo (50°22' N, 155°37' E), alt. 10 m, A. Saito leg., CBM-ZI 82543; 1 male, 19. VII. 1997, Shelekhovo (50°22' N, 155°37' E), alt. 10 m, A. Saito leg., CBM-ZI 82536.

Distribution. All parts of Eurasia.

***Protophormia terraenovae*
(Robineau-Desvoidy, 1830)**

Material examined. **Kamchatka Peninsula:** 1 male, 13. VII. 1996, inlet small stream, Azhabach'ye Lake (left side) (56°09' N, 161°55' E), alt. ca. 20 m, R. B. Kuranishi leg., CBM-ZI 82547.

Distribution. All parts of Eurasia and North America.

Family Sarcophagidae

***Wohrfahrtia meigeni* (Schiner, 1862)**

Material examined. **Kamchatka Peninsula:** 1 male, 12. VII. 1996, Lotnaya River (riverside) near Azhabach'ye Lake (56°07' N, 161°50' E), alt. ca. 20 m, R. B. Kuranishi leg., CBM-ZI 82552.

Distribution. Eurasia and North America.

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**1996–1997 年に採集されたカムチャツカ
半島と北千島のクロバエ科・
ニクバエ科昆虫**

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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、スーピング法でクロバエ科・ニクバエ科昆虫を採集した。カムチャツカ半島からクロバエ科 4 属 5 種、ニクバエ科 1 属 1 種、北千島のパラムシル島からクロバエ科 2 属 2 種を記録した。

今回採集された材料中には、*Calliphora vomitoria* (Linnaeus) や *Calliphora terraenovae* (Macquart) のように衛生害虫となっていると考えられる種もいたが、他の地域では稀にしか採集されない *Calliphora genarum* Zetterstedt などの種を含んでいた。