

## Tachinids from Kamchatka (Diptera: Tachinidae)

V.A. Richter & D.M. Wood

Richter, V.A. & Wood, D.M. 2004. Tachinids from Kamchatka (Diptera: Tachinidae). *Zoosystematica Rossica*, **12**(2), 2003: 277-278.

24 species of tachinids are recorded from Kamchatka, among them 22 species, for the first time.

V.A. Richter, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St.Petersburg 190034, Russia.

D.M. Wood, Invertebrate Biodiversity, Agriculture and Agri-Food Canada, Ottawa, Ontario K1A 0C6, Canada.

### Introduction

The tachinid fauna of Kamchatka remains little known. Only five species have been previously recorded: *Nowickia marklini* Zett. (Zimin, 1935), *Linnaemya rossica* Zimin (Herting, 1984), *Macquartia plumbea* Richter et Wood (1995), *Thelaira nigripes* F. (Zimin & al., 1970) and *Phasia hemiptera* F. (Draber-Moňko, 1965). An additional ten species were collected in Kamchatka by R. Malaise and identified by Daphne Aubertin in 1929 but were not reported. The specimens are now in the collection of the Swedish Museum of Natural History, Stockholm, as follows: *Belida angelicae* Mg., *Phebellia glauca* Mg., *Gonia picea* R.-D., *Nowickia marklini* Zett., *Panzeria rudis* Fll., *Linnaemya picta* Mg., *Pe-latachina tibialis* Fll., *Phasia hemiptera* F., *Cy-lindromyia interrupta* Mg., and *Besseria an-thophila* Loew.

The following list of Tachinidae from Kamchatka includes 24 species and is based on an examination of the tachinids collected by D.R. Kasparyan and V.V. Zlobin in 1985 along the Kamchatka River between Kozyrevsk (56°15'N; 159°54'E) and Milkovo (54°42'N; 158°41'E). 22 species are for the first time recorded from Kamchatka.

All the species of tachinids listed here from Kamchatka are widely distributed in the Palaearctic Region. A few are also known from North America.

### List of species

**Bessa parallela** Mg. 1 ♂, Kozyrevsk, Okhlonets Lake, 24.VII.1985 (Kasparyan). – Europe, Siberia, Far East of Russia, Mongolia, Japan.

**Belida angelicae** Mg. 1 ♀, 8 km S Kozyrevsk, alder grove on sands, 16.VII.1985 (Kasparyan); 1 ♂, Atlasovo, larch forest, 10.VII.1985 (Kasparyan); 1 ♂, Milkovo, birch forest, 7.VII.1985 (Kasparyan). – Europe, Israel, Transcaucasia, Siberia (Yakutia, Chita Prov.), Kamchatka, Mongolia.

**Admontia blanda** Fll. 1 ♂, 20 km N Kozyrevsk, 300 m, spruce forest, 21.VII.1985 (Kasparyan). – Europe, Transcaucasia, Siberia (Yakutia, Chita Prov.), Far East of Russia.

**Acemya rufitibia** von Roser. 2 ♀, Milkovo, 6.VII.1985 (Zlobin). – Central Europe, Transcaucasia, S Siberia, Far East of Russia.

**Winthemia quadripustulata** F. 1 ♂, Milkovo, alder forest, 6.VII.1985 (Kasparyan). – Europe, Transcaucasia, Middle Asia, Siberia, Far East of Russia, N America.

**Phebellia glauca** Mg. 1 ♂, Kozyrevsk, birch forest, 12.VII.1985 (Kasparyan); 1 ♂, 1 ♀, same locality, larch forest, 17.VII.1985 (Kasparyan); same locality, Okhlonets Lake, 1 ♂, 24.VII.1985 (Kasparyan). – Europe, Siberia, Far East of Russia, Mongolia, Japan.

**Ph. glaucoides** Herting. 1 ♂, 25 km S Kozyrevsk, lichen larch forest, 23.VII.1985 (Kasparyan). – Europe (Norway, Sweden, Poland, Czech Republic), Siberia (Yakutia), Kamchatka, Kuril Islands (Kunashir), Japan (Hokkaido).

**Phryxe magnicornis** Zett. 1 ♂, 8 km S Kozyrevsk, alder grove on sands, 16.VII.1985 (Kasparyan); 1 ♀, Valley of geysers, 12.VIII.1985 (Zlobin). – Europe, Transcaucasia, S Siberia, Kamchatka, Kuril Islands (Kunashir, Shikotan).

**Carcelia lucorum** Mg. 1 ♂, Kozyrevsk, birch forest, 12.VII.1985 (Kasparyan); 1 ♀, Atlasovo, larch forest, 10.VII.1985 (Kasparyan); 1 ♂, Milkovo, birch forest, 7.VII.1985 (Kasparyan). – Europe, Transcaucasia, Tadjikistan, Altai, Far East of Russia, Mongolia, Japan.

**Platymya fimbriata** Mg. 1 ♂, Kozyrevsk, 12.VII.1985 (Zlobin); 1 ♀, same locality, birch forest, 12.VII.1985 (Kasparyan); 1 ♀, same locality, larch forest, 13.VII.1985 (Kasparyan). – Europe, Transcaucasia, Middle Asia, S Siberia, Far East of Russia, Mongolia.

**Nowickia marklini** Zett. 1 ♀, 20 km N Kozyrevsk, 300 m, spruce forest, 21.VII.1985 (Kasparyan); 1 ♂, 18 km NO Kozyrevsk, 21.VII.1985 (Zlobin). – Europe, Siberia, Far East of Russia, Mongolia.

**Linnaemya rossica** Zimin. 1 ♂, Kozyrevsk, birch forest, 12.VII.1985 (Kasparyan); 1 ♂, same locality, larch forest, 17.VII.1985 (Kasparyan); 1 ♂, Milkovo, alder forest, 6.VII.1985 (Kasparyan). – Europe, Siberia (Tomsk Prov., Yakutia, Chita Prov.), Far East of Russia, Mongolia, Japan (Hokkaido).

**Panzeria laevigata** Mg. 1 ♀, Kozyrevsk, 16.VII.1985 (Zlobin); 1 ♀, same locality, birch forest, 12.VII.1985 (Kasparyan); 1 ♀, same locality, larch forest, 17.VII.1985 (Kasparyan). – Europe, S Siberia, Far East of Russia, Mongolia, Japan (Hokkaido).

**Anthomyopsis nigrisquamata** Zett. 6 ♀, Kozyrevsk, 12-16.VII.1985 (Kasparyan); 1 ♂, Milkovo, alder forest, 6.VII.1985 (Kasparyan). – Europe, Kamchatka.

**Actia pilipennis** Fll. 1 ♀, Milkovo, alder forest, 6.VII.1985 (Kasparyan). – Europe, S Siberia (Novosibirsk Prov., Altai, Chita Prov.), Far East of Russia, Mongolia, Japan.

**Ceranthia lichtwardtiana** Vill. 1 ♂, 20 km N Kozyrevsk, 300 m, logging area, 21.VII.1985 (Kasparyan); 1 ♀, Kozyrevsk, larch forest, 17.VII.1985 (Kasparyan); 1 ♀, Milkovo, birch forest, 7.VII.1985 (Kasparyan). – Europe, Kamchatka.

**Billaea kolomyetzi** Mesnil. 1 ♀, 20 km N Kozyrevsk, 300 m, spruce forest, 21.VII.1985 (Kasparyan). – Europe, S Siberia (Tomsk Prov., Altai, Chita Prov.), Far East of Russia.

**Ramonda ringdahli** Vill. 1 ♂, 20 km N Kozyrevsk, 300 m, logging area, 21.VII.1985 (Kasparyan); 1 ♀, Kozyrevsk, larch and spruce forest, 15.VII.1985 (Kasparyan); 1 ♀, 8 km S Kozyrevsk, alder grove on sands, 16.VII.1985 (Kasparyan). – N Europe, Alps, Siberia (Yakutia), Amur Prov., Kamchatka.

**Athrycia impressa** van der Wulp. 1 ♂, Atlasovo, 9.VII.1985 (Zlobin); 1 ♀, same locality, larch forest, 10.VII.1985 (Kasparyan). – Europe, Transcaucasia, Siberia (Yakutia, Chita Prov.), Kamchatka, Mongolia.

**A. trepida** Mg. 2 ♂, Kozyrevsk, 12.VII.1985 (Kasparyan); 1 ♀, 8 km S Kozyrevsk, alder grove on sands, 16.VII.1985 (Kasparyan). – Europe, Transcaucasia, Siberia, Far East of Russia, Mongolia, Japan.

**Subclytia rotundiventris** Fll. 1 ♂, 20 km N Kozyrevsk, 300 m, logging area, 21.VII.1985 (Kasparyan); 1 ♂, 18 km NO Kozyrevsk, 21.VII.1985 (Zlobin). – Europe, Transcaucasia, S Siberia (Novosibirsk Prov., Altai, Chita Prov.), Kamchatka, Amur Prov., Kuril Islands (Kunashir), Mongolia, Japan (Hokkaido, Honshu).

**Phasia obesa** F. 1 ♀, 20 km N Kozyrevsk, 300 m, logging area, 21.VII.1985 (Kasparyan); 1 ♂, 18 km NO Kozyrevsk, 21.VII.1985 (Zlobin); 1 ♂, Kozyrevsk, 12.VII.1985 (Zlobin). – Europe, Transcaucasia, Kazakhstan, Middle Asia, S Siberia, Far East of Russia, Mongolia.

**Cylindromyia interrupta** Mg. 1 ♂, Kozyrevsk, Okhlonets Lake, 24.VII.1985 (Kasparyan); 1 ♀, same locality, larch forest, 13.VII.1985 (Kasparyan). – Europe, Transcaucasia, Siberia, Kamchatka, Amur Prov., N America.

**Besseria anthophila** Lw. 1 ♂, 18 km NO Kozyrevsk, 21.VII.1985 (Zlobin); 1 ♂, Kozyrevsk, Okhlonets Lake, 24.VII.1985 (Kasparyan). – Europe, S Siberia (Chita Prov.), Kamchatka, Mongolia.

#### Acknowledgements

The work of V.A. Richter was supported by the Russian Foundation for Basic Research (grant 02-04-4858), Ministry of Industry, Science and Technology of the Russian Federation (grant NSH-1667.2003.4) and Programme of Presidium of Russian Academy of Sciences “Scientific fundamentals of biodiversity conservation in Russia”.

#### References

- Draber-Moňko, A.** 1965. Monographie der paläarktischen Arten der Gattung *Alophora* R.-D. (Diptera, Larvaevoridae). *Ann. Zool.*, **23**(6): 69-194.
- Herting, B.** 1984. Catalogue of Palearctic Tachinidae (Diptera). *Stuttgarter Beitr. Naturk.*, **A**, **369**: 1-228.
- Richter, V.A., Wood, D.M.** 1995. Tachinidae (Diptera) from Yakutia, with description of two new species. *Acta Zool. Fennica*, **199**: 37-48.
- Zimin, L.S.** 1935. Le système de la tribu Tachinini (Diptera, Larvivoridae). *Trudy Zool. Inst. Akad. Nauk SSSR*, **2**: 509-636. (In Russian).
- Zimin, L.S., Zinovjeva, K.B. & Stackelberg, A.A.** 1970. Fam. Tachinidae (Larvaevoridae) – tachinids. *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, **5**(2): 678-798. (In Russian).

Received 10 March 2004