

Limonia zwicki spec. nov., a new species of Limoniidae (Diptera) from East Kazakhstan

[*Limonia zwicki* spec. nov., eine neue Art der Limoniidae (Diptera) aus Ost-Kasachstan]

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Abstract	A new species of short-palped crane flies, <i>Limonia zwicki</i> spec. nov., is described from East Kazakhstan and compared with related Palaeartic species of the genus. The males of the new species are distinguished from all known males of Palaeartic <i>Limonia</i> species by having a pointed median projection at the posterior margin of sternite 8.
Key words	Limoniidae, <i>Limonia</i> , Palaeartic Region, Kazakhstan, taxonomy, new species.
Zusammenfassung	<i>Limonia zwicki</i> spec. nov., eine neue Stelmücken-Art aus Ost-Kasachstan, wird beschrieben und mit verwandten paläarktischen Arten der Gattung verglichen. Die Männchen der neuen Art unterscheiden sich von allen bekannten Männchen paläarktischer <i>Limonia</i> -Arten durch einen spitzen Medianvorsprung am Hinterrand von Sternit 8.
Stichwörter	Limoniidae, <i>Limonia</i> , paläarktische Region, Kasachstan, Taxonomie, neue Art.

Introduction

The genus *Limonia* includes 58 species and 5 subspecies from the Palaeartic (OOSTERBROEK 2012). The crane flies of Kazakhstan are very poorly studied. Only three species of *Limonia* are known from this country – *Limonia macrostigma* (SCHUMMEL, 1829), *Limonia phragmitidis* (SCHRANK, 1829) and *Limonia trivittata* (SCHUMMEL, 1829) (SAVCHENKO 1980, 1989; SAVCHENKO & PARKHOMENKO 1978). From neighboring Russia 27 species and 1 subspecies of *Limonia* are known (OOSTERBROEK 2012). In a recent entomological collection from the western part of the Altai Mts unusual males of *Limonia* were found. A detailed study showed that these specimens belong to a new species.

Material and methods

Specimens were collected by sweeping and preserved in 70 % ethanol, each specimen with its prepared genitalia. Specimens were studied with a MBS–10 microscope. Free hand drawings of the uncleaned and unmounted genitalia were made with the aid of an ocular micrometer. Terminology of morphological features generally follows that of ALEXANDER & BYERS (1981).

Description of new species

Limonia zwicki spec. nov.

(Figs 1–6)

Material examined. Holotype: male, KAZAKHSTAN: about 25 km east from Ridder, 50°19'26"N 83°52'54"E, 1,750 m a. s. l., 6 August 2010, leg. V. I. DEVYATKOV. **Paratypes:** 2 males, same data as holotype. Holotype and paratypes are deposited in the Altai Branch of the Kazakh Institute of Fish Research, Permitina street 23, Ust-Kamenogorsk, Kazakhstan.