

A NEW SPECIES OF *CAMPSICNEMUS* FROM THE FAR EAST OF RUSSIA WITH SOME NEW RECORDS (DOLICHOPODIDAE, DIPTERA)

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[Гричанов И.Я. Новый вид рода *Campsicnemus* с Дальнего Востока России и несколько новых указаний (Dolichopodidae, Diptera)]

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Summary. A new long-legged fly species *Campsicnemus zlobini* sp. nov. from the Primorskii Krai of Russia is described and illustrated. New data on the distribution of species of the genus *Campsicnemus* Haliday are presented.

Резюме. Приведены описание и фотографии нового вида мух-зеленушек *Campsicnemus zlobini* sp. nov. из Приморского края России. Представлены новые материалы по распространению видов рода *Campsicnemus* Haliday.

INTRODUCTION

The genus *Campsicnemus* Haliday in Walker et al., 1851 belongs to the subfamily Sympycninae and numbers about 290 species with an extremely high diversity of endemic species in the Hawaiian Islands and French Polynesia [Evenhuis, 2009; 2012]. Grichanov [2009] listed and keyed recently 36 known Palearctic species. Later one more Palearctic species of *Campsicnemus* was described from Astrakhan Province of Russia [Grichanov, 2011]. Here I describe a new species *C. zlobini* sp. nov. from the Primorskii Krai Province of Russia. This paper presents also new records for species of the genus *Campsicnemus*.

Morphological terminology mainly follows Cumming & Wood [2009]. Body length is measured from the base of antennae to the posterior tip of epandrium. Wing length is measured from the base to the wing apex. The relative lengths of tarsomeres should be regarded as representative ratios and not measurements. Male genitalia were not dissected and figured as they have low taxonomic value in the genus *Campsicnemus* [Evenhuis, 2009, 2012]. The holotype of new species and other materials examined are housed at Zoological Institute of the Russian Academy of Sciences, St. Petersburg (ZIN). For the information on global distribution for each species listed see Grichanov [2009].

SYSTEMATICS

Campsicnemus zlobini Grichanov, sp. nov.

(Figs 1–3)

Material: holotype. ♂, [Russia:] Primorskii Krai, Bikin River, 22 km upstream from Svetlovodnaya River mouth, 14.08.1980, Zlobin [ZIN].

Description. Male.

Head (Fig. 2). Frons metallic black, brownish

pollinose; face grey above, velvety-brown below, narrow, the narrowest in middle, where it as wide as distance between ocellar bristles; clypeus convex; antennae black; postpedicel subtriangular, with rounded apex, slightly longer than high (9/7), with long hairs; arista-like stylus basodorsal, simple, with microscopic hairs; length ratio of scape to pedicel to postpedicel to stylus (1st and 2nd segments), 5/4/9/4/35; proboscis black; palpus black, with black hairs; lower postocular setae brown.

Thorax metallic bronze-black; mesonotum with violet shine; 4 pairs of strong dorsocentral bristles; acrostichals uniseriate, well developed; proepisternum with 1 strong black seta and several dark hairs; scutellum with 2 strong black setae and 2 short lateral hairs.

Legs mostly black; femora yellow-brown at apex; coxae with dark hairs and black setae; hind coxa with one outer seta; fore leg simple; fore tibia with 1 strong dorsal bristle before middle; fore tarsomere 5 with somewhat elongate dorsal hairs at apex; mid femur (Fig. 3) with single posterior preapical bristle, with double row of erect ventral setae, about as long as diameter of femur, somewhat stronger in distal third; mid tibia slightly thickened at base and at apex, constricted at extreme base, with 1 anterodorsal and 1 dorsal bristles in basal half, 2 ventral bristles in middle, with full row of erect posteroventral setae, nearly as long as diameter of tibia, denser in basal third, and with short apical anteroventral tooth; hind femur with single anterior preapical bristle, with posteroventral row of elongate cilia in distal half, half as long as diameter of femur; hind tibia with 3 anterodorsals, 3-4 posterodorsals and 2-3 short ventrals; tarsus simple; podomeres (from femur to fifth tarsomere)

length ratio: fore leg: 61/50/29/16/10/10/9, mid leg: 73/78/28/27/14/10/9, hind leg: 83/95/24/26/19/11/10.

Wing (Fig. 1) greyish, simple, narrow; costa slightly concave at base, bearing equal in length setae on 3rd section; R₄₊₅ and M₁₊₂ parallel in apical part; ratio of costal section between R₂₊₃ and R₄₊₅ to that between R₄₊₅ and M₁₊₂: 30/18; basal section of M₁₊₂ shorter than distal section (7/9); ratio of cross-vein dm-cu to distal part of CuA₁: 15/35; lower calypter yellow, with black cilia; halter blackish.

Abdomen green-black, grey pollinose, with black setae and hairs; hypopygium concealed; cercus black, with short light hairs.

Female unknown.

Measurements (mm): body length 2.3, wing length/width 2.6/0.8, antenna length 0.7.

Etymology. The species is named for the late Russian dipterist Vladimir Zlobin (ZIN) who collected the holotype.

Diagnosis. The new species is close to *C. versicolorus* Negrobov et Zlobin, 1978 described from the Primorskii Krai of Russia (Yakovlevka, Novodevitsa, Komarovo-Zapovednoe), differing in dark face, short postpedicel, mainly black legs, in armament of mid leg etc. Both species are related to the *C. armatus* group of species. Below are the modified couplets in the key to Palearctic species of the genus published by Grichanov [2009]:

33. Mid tibia without a comb-like ventral row of blunt-ended bristles, with rows of simple hairs and setae; mid basitarsus as long as next segment 34
– Mid tibia with a comb-like ventral row of blunt-ended bristles; mid basitarsus distinctly longer than next segment 35
34. Face dark; postpedicel hardly longer than high at base; legs mainly black; mid tibia without row of long bristles, with full row of erect posteroventral setae, nearly as long as diameter of tibia; 2.3 *C. zlobini* Grichanov, **sp. nov.**
– Face silvery white; postpedicel 2 times longer than high at base; legs almost completely pale yellow; mid tibia with row of 7-8 bristles in distal 2/3, two times longer than diameter of tibia; 1.3-1.5 *C. versicolorus* Negrobov et Zlobin
35. Mid femur, at least in basal half, with a posteroventral row of sparse bristles, about as long as diameter of femur; mid tibia with a comb-like row of blunt-ended bristles in basal half only; 1.7-2.4 *C. vtorovi* Negrobov et Zlobin
– Mid femur with very short ventral hairs, or with a row of bristles, at most 2/3 as long as greatest diameter of femur 36
36. Mid femur with very short ventral hairs; mid tibia with a comb-like row of blunt-ended bristles in basal half only; 1.5 *C. pumilio* (Zetterstedt)

- Mid femur, ventrally along almost whole length, with a row of bristles, some of which are more than 2/3 as long as greatest diameter of femur; mid tibia, ventrally along almost whole length, with a comb-like row of blunt-ended bristles; 1.25-2.0 *C. armatus* (Zetterstedt)

NEW RECORDS

Campsicnemus curvipes (Fallén, 1823)

Material: 1♂, 2♀, Russia: Perm Region, Kaman, 26.07.1997, Gorodkov [ZIN]. New for Perm Region.

Campsicnemus lumbatus Loew, 1857

Material: 1♂, Russia: Moscow Region, near Naro-Fominsk, 7.10.2006, D. Gavruskin; 1♂, Kazakhstan: Astana: Tselinograd env., Novoishimka, 15.06.1989, Grichanov; 15♂♀, Russia: Voronezh Region, Liski Distr., Divnogor'e, 8, 9, 22.07.1994, Zlobin (ZIN). New for Moscow Region and Kazakhstan.

Campsicnemus picticornis (Zetterstedt, 1843)

Material: 1♂, Uzbekistan: Tashkent (ZIN; ex coll. A.P. Fedtshenko, 1871); 1♂, Russia: Novosibirsk Region, Krasnozersk, 21.06.1988, Grichanov; 2♂, Russia: Amurskaya Region, 34 km N Zeya city, 5.07.1982, Zlobin; 1♂, Kazakhstan: Astana: Tselinograd env., Novoishimka, 17.07.1989, Grichanov; 1♂, Kazakhstan: Kustanai env., 11.07.1987, Grichanov (ZIN). New for Amurskaya and Novosibirsk Regions and for Uzbekistan.

Campsicnemus pilitarsis Negrobov et Zlobin, 1978

Material: 1♂, 1♀, Uzbekistan: Samarkand / 20; 2♂, 1♀ Tajikistan: Panjakent distr.: Magian / 6 (ZIN; ex coll. A.P. Fedtshenko, 1871). New for Uzbekistan.

Campsicnemus pumilio (Zetterstedt, 1843)

Material: 1♂, Russia: Novgorod env., 4.07.2012, I. Grichanov; 1♂, Russia: Ulyanovsk Region, Sengilei Distr., Shilovka env., 1-3.09.2010, K. Tomkovich (ZIN). New for Novgorod and Ulyanovsk Regions.

Campsicnemus pusillus (Meigen, 1824)

Material: 1♂, Russia: Ivanovo-Voz., at pond, 04.1921 (ZIN; det. Stackelberg). New for Ivanovo Region.

Campsicnemus scambus (Fallén, 1823)

Material: 2♂, 2♀, Russia: Novgorod env., 4.07.2012, Grichanov (ZIN). New for Novgorod Region.

Campsicnemus simplicissimus Strobl, 1906

Material: 1♂, S Tajikistan: Dusti env., 2.07.1985, Grichanov & Shamshev (ZIN). New for Tajikistan.

Campsicnemus umbripennis Loew, 1856

Material: 1♀, Tajikistan: Vanch env., 5.07.1977, Zlobin; 1♂, Russia: N Caucasus, Krasnodar Terr., Kamyshanova Polyana, 18.06.2011, Shamshev; 2♀, Russia: Adygea, Azishskaya Cave env., bridge, 15.09.2007, I. Grichanov (ZIN). New for Adygea.

***Campsicnemus unipunctatus* Negrobov et Zlobin, 1978**

Material: 3♂, Russia: Primorskii Terr., Ussuri Distr., Gornotaezhnoe, 15.07, 5.09.1980, Zlobin (ZIN). First record after description.

***Campsicnemus* cf. *vtorovi* Negrobov et Zlobin, 1978**

Material: 8♂♀, Russia: Voronezh Region, Liski Distr., Divnogor'e, 8, 9.07.1994, Zlobin (ZIN).

Remarks. The males examined are identical to the description and figures of *C. vtorovi* provided by Negrobov, Zlobin [1978]. The species was originally described from Kyrgyzstan (Naryn river valley). Therefore, direct comparison of the material examined with the *C. vtorovi* types is desirable.

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