

New data on systematic of family Dolichopodidae (Diptera)

Новые данные по систематике семейства Dolichopodidae (Diptera)

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КЛЮЧЕВЫЕ СЛОВА: Dolichopodidae, Diptera, новые комбинации, новая синонимика, типовой вид рода.

ABSTRACT: A new combinations for several species from family Dolichopodidae are established: *Campsicnemus glaucus* Becker, 1924 and *Chrysotus albisignatus* Becker, 1924 are transferred to genus *Sympycnus* Loew, 1857; *Chrysotus icumbens* Becker, 1924 and *Chrysotus lividiventris* Becker, 1924 — to genus *Diaphorus* Meigen, 1824; *Diaphorus oblongus* Parent, 1928 — to genus *Chrysotus* Meigen, 1824; *Hercostomus plumitarsis* Parent, 1931 — to genus *Pelastoneurus* Loew, 1861; *Cachonopus aereus* Vaillant, 1953 — to genus *Chrysotimus* Loew, 1857; *Cachonopus limosorum* Vaillant, 1953 — to genus *Micromorphus* Mik, 1878. *Cachonopus limosorum* Vaillant, 1953 is designated as a type species of genus *Cachonopus* Vaillant, 1953. A new synonymy is established: *Micromorphus* Mik, 1878 = *Cachonopus* Vaillant, 1953, **syn. nov.** The status of endemic caucasian genus *Guzeriplia* Negrobov, 1968 is restored and its distinctions from genus *Chrysotimus* Loew, 1857 are discussed.

РЕЗЮМЕ: Установлены новые комбинации для ряда видов из семейства Dolichopodidae: *Campsicnemus glaucus* Becker, 1924 и *Chrysotus albisignatus* Becker, 1924 перенесены в род *Sympycnus* Loew, 1857; *Chrysotus icumbens* Becker, 1924 и *Chrysotus lividiventris* Becker, 1924 — в род *Diaphorus* Meigen, 1824; *Diaphorus oblongus* Parent, 1928 — в род *Chrysotus* Meigen, 1824; *Hercostomus plumitarsis* Parent, 1931 — в род *Pelastoneurus* Loew, 1861; *Cachonopus aereus* Vaillant, 1953 — в род *Chrysotimus* Loew, 1857; *Cachonopus limosorum* Vaillant, 1953 — в род *Micromorphus* Mik, 1878. *Cachonopus limosorum* Vaillant, 1953 обозначен в качестве типового вида рода *Cachonopus* Vaillant, 1953. Установлена новая синонимия: *Micromorphus* Mik, 1878 = *Cachonopus* Vaillant, 1953, **syn. nov.** Восстановлена самостоятельность эндемического кавказского рода *Guzeriplia* Negrobov, 1968 **stat. rest.** и обсуждены его отличия от рода *Chrysotimus* Loew, 1857.

The types of Dolichopodidae which are kept in former Deutsches Entomologisches Institut (Müncheberg, Germany) and Staatliches Museum für Tierkunde (Dresden, Germany) were study. As a result some Dolichopodidae species are transferred to another genera. Moreover one new synonymy is established and a type species of genus *Cachonopus* Vaillant, 1953 is designated.

Sympycnus glaucus (Becker, 1924), **comb. nov.**

Zool. Meded. Leiden, 8: 126.

TYPE LOCALITY: Paroe, N of Paiwan District, Formosa (sec. type, Müncheberg).

Campsicnemus glaucus is transferred to the genus *Sympycnus* Loew, 1857 because it has almost parallel edges of face which is not narrowed under antenna, and specific shape of hypopygium (Fig. 1).

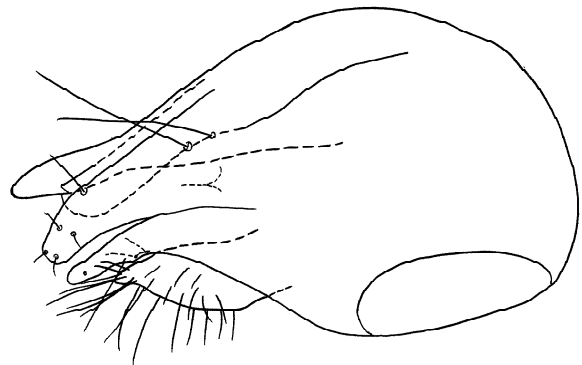


Fig. 1. *Campsicnemus glaucus*, type specimen, hypopygium, lateral view.

Рис. 1. *Campsicnemus glaucus*, типовой экземпляра, гипопигий, сбоку.

Sympycnus albisignatus (Becker, 1924), **comb. nov.**

Zool. Meded. Leiden, 8: 123.

TYPE LOCALITY: Otago, Formosa (sec.type, Müncheberg).

Chrysotus albosignatus is transferred to genus *Sympycnus* because it has dorsal arista, parallel edges of face and long abdomen.

Diaphorus icumbens (Becker, 1924), **comb. nov.**

Zool. Med. Leiden, 8: 123.

TYPE LOCALITY: Macuyama (sec.type, Müncheberg).

Chrysotus icumbens is transferred to the genus *Diaphorus* Meigen, 1824, because its antennae are located in the middle of head and morphology of hypopygium is typical for *Diaphorus*.

Diaphorus lividiventris (Becker, 1924), **comb. nov.**

Zool. Meded. Leiden, 8: 123 (X).

TYPE LOCALITY: Chosokei, Kankau, Formosa (sec.type, Müncheberg).

Chrysotus lividiventris is transferred to the genus *Diaphorus* Meigen, 1824, because its antennae are located in the middle of head, face rather wide and morphology of hypopygium is typical for *Diaphorus*.

Chrysotus oblongus (Parent, 1928), **comb. nov.**

Mitt. Zool. Staatsinst. Zool. Mus. Hamburg, 43: 169.

TYPE LOCALITY: La Caja, Costa Rica (sec.type, Müncheberg).

Diaphorus oblongus is transferred to the genus *Chrysotus* Meigen, 1824, because its antennae are located in the top third of head.

Pelastoneurus plumitarsus (Parent, 1931), **comb. nov.**

Abh. Ber. Mus. Tierkd. Volkerkd. Dresden, 18(1): 12, pl. 2, Figs. 36–38.

TYPE LOCALITY: Bolivia-Mapiri, Sarampioni (sec.type, Staatliches Museum für Tierkunde Dresden).

Hercostomus plumitarsus is transferred to the genus *Pelastoneurus* Loew, 1861 based on a long plumose on its arista.

Chrysotimus aereus (Vaillant, 1953), **comb. nov.**

Miss. Sci. Tassili Ajjer I (Rech. zool. med.): 10.

TYPE-LOCALITY: Tassili n'Ajjer (Algerien).

Cachonopus aereus Vaillant, 1953 is transferred to the genus *Chrysotimus* Loew, 1857 because it has convex occiput, a single preapical bristle on the mid- and hind femora as well as a row of postocular bristles. Moreover its acrostichal bristles are absent and morphology of hypopygium, antennae and venation of wings is typical for *Chrysotimus*. This species is omitted in the last World Catalogue of Dolichopodidae [Yang et al., 2006]

Micromorphus limosorum (Vaillant, 1953), **comb. nov.**

Miss. Sci. Tassili Ajjer I (Rech. zool. med.): 9.

TYPE LOCALITY: Tassili n'Ajjer (Algerien).

Vaillant [1953] have not designated type species of genus *Cachonopus* and we consider *Cachonopus limosorum* as its type (**pres. des.**). It has convex occiput, a single preapical bristle on mid- and hind femora and five dorsocentral bristles. Besides its acrostichal bristles are absent. According to mentioned above features *C. limosorum* is transferred to the genus *Micromorphus* Mik, 1878 = *Cachonopus* Vaillant, 1953, **syn. nov.**

In the last World Catalogue of Dolichopodidae [Yang et al., 2006] this species is placed in genus *Conchopus* Takagi, 1965. In our opinion it is an unfortunate misprint.

Guzeriplia Newgrobov, 1968, **stat. rest.**

Zool. Zh., 47: 470

TYPE SPECIES: *Guzeriplia chlorina* Negrobov, 1968

In the last World Catalogue of Dolichopodidae [Yang et al., 2006] the genus *Guzeriplia* Newgrobov, 1968, is considered as a synonym of the genus *Chrysotimus* Loew, 1857 without any comments. However both species of endemic Caucasian genus *Guzeriplia* have very large hypopygium located outside of abdomen and is longer than one third of it. In species of the genus *Chrysotimus* hypopygium is much shorter — its length is less than one fifth of abdomen and it is located inside of abdominal top.

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