Redescription of some types of Keroplattidae

(Diptera, Mycetophiloidea)

By

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With 7 figures

Abstract

Redescriptions of the types of *Macrocera fastuosa*, *M. inversa*, *M. pumilio* and *Platyura occlusa* with illustrations of the genitalia are given. *Platyura occlusa* is transferred in genus *Monocentrotta*.

H. LOEW (1869) has described a number european species of superfamily *Mycetophiloidea*. By present standards his descriptions are incomplete. Moreover they are not attended by illustrations that make difficult identifications of the species.

In this paper are given enlarged descriptions of the types of four species and drawings of the genitalia. The studied type specimens are preserved in Zoologisches Museum der Humboldt-Universität, Berlin. The wing veins nomenclature by MATILE (1981) has been used.

*Macrocera fastuosa* LOEW

*Macrocera fastuosa* LOEW, 1869: 16.


Description: Length of the wing 6.5 mm, of the body 7.5 mm, of the first flagellomere 0.75 mm.

Head yellow, post-vertex dark brown. Mouthparts yellow, palpi with yellow I and IV and brown II and III segments. Scape and pedicel yellowish, first flagellomere yellow, the rest by the type specimen absent (by two specimens from Bulgaria antennae are 1.7 x longer as body, the first three flagellomeres are yellow and the rest brown; ratio of flagellomeres I – V = 45:45:47:50:65). Mesoscutum yellow, with three dark longitudinal stripes. Scutellum, mediotergite and pleurae yellowish, darkened in some parts. Propleurae and mesopleurae with dark setae, rest bare. Coxae, femora and tibiae yellowish, tarsi brownish. Fore tibiae slightly enlarged at the tip. Ratio fore tibia: tarsomeres I – V = 95:75:35:20:10:8. Fore tarsomeres I – IV from below with pair of apical setae. Wing membranae without macrotrichia. Tip of the wing dark, also dark band in the middle of

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1) Ratios of the flagellomeres, tarsomeres and veins has been measured in a different enlargement of the stereomicroscope.

**Macrocera inversa** Loew

*Macrocera inversa* Loew, 1869:16.

**Type:** Male, labeled: Jul. 57, *inversa* m., Coll. H. Loew, 8611, Type.

**Description:** Length of the wing 5.3 mm, of the body 6.5 mm, of the antennae 7.5 mm, of the first flagellomere 0.6 mm.

Head brown, mouthparts and palpi yellow. Scape and pedicel yellow. Flagellomeres I–V yellowish, the rest brown. Antennae little longer than body. Ratio of flagellomeres

Figs. 1–2
*Macrocera fastuosa.* 1) male genitalia, dorsal view; 2) gonostyle

Figs. 3–4
*Macrocera inversa.* 3) male genitalia, dorsal view; 4) gonostyle

**Macrocera pumilio LOEW**

*Macrocera pumilio* LOEW, 1869: 18.

Type: Female, labeled: *pumilio*, H. LOEW, Typus.

Description: Length of the wing 3.5 mm, of the body 3.5 mm.


**Monocentrotia occlusa (LOEW)**

*Platyura occlusa* LOEW, 1869: 15.

*Monocentrotia occlusa* (LOEW, 1869), *comb. n.*


Description: Length of the wing 3.6 mm.

Figs. 5—6
*Monocentrota occlusa*. 5) male genitalia, ventral view; 6) male genitalia, lateral view

Fig. 7
*Macrocera pumilio*. female genitalia, lateral view

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References


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