

Notes on types of three species of Scathophagidae (Diptera) described by I.W. Zetterstedt

Заметки о типах трех видов скатофагид (Diptera: Scathophagidae), описанных И.-В. Цеттерштедтом

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KEY WORDS: Diptera, Scathophagidae, nomenclature, lectotype designation, new synonyms.

КЛЮЧЕВЫЕ СЛОВА: Diptera, Scathophagidae, номенклатура, обозначение лектотипа, новые синонимы.

ABSTRACT. Lectotype is designated for *Cordylura filiformis* Zetterstedt, 1846. *Acerocnema breviseta* (Zetterstedt, 1846) is raised from synonymy and is given new status as valid species. Four new synonyms are proposed: *Acerocnema tiefi* Becker, 1894 and *Acerocnema pokorny* Becker, 1894 with *Acerocnema breviseta* (Zetterstedt, 1846), *Scatomyza frontata* Zetterstedt, 1838 with *Staegeria kunzei* (Zetterstedt, 1821), *Micropselapha bohémica* Barták et Kubík, 2012 with *Micropselapha basovi* Ozerov, 2010.

РЕЗЮМЕ. Обозначен лектотип для *Cordylura filiformis* Zetterstedt, 1846. *Acerocnema breviseta* (Zetterstedt, 1846) восстановлен из синонимов как валидный вид. Установлены 4 новых синонима: *Acerocnema tiefi* Becker, 1894 и *Acerocnema pokorny* Becker, 1894 — новые младшие синонимы *Acerocnema breviseta* (Zetterstedt, 1846); *Scatomyza frontata* Zetterstedt, 1838 — новый младший синоним *Staegeria kunzei* (Zetterstedt, 1821); *Micropselapha bohémica* Barták et Kubík, 2012 — новый младший синоним *Micropselapha basovi* Ozerov, 2010.

Introduction

While studying flies of the family Scathophagidae I faced some difficulties which demanded the examination of type specimens. The types of three species described by Johan Wilhelm Zetterstedt and kept in Lund University, Sweden (MZLU) were studied. The results of this work are given below.

Results

Cordylura breviseta Zetterstedt, 1846

breviseta Zetterstedt, 1846: 2022 (*Cordylura*) — **stat. n.**
tiefi Becker, 1894: 155 (*Acerocnema*) — **syn.n.**

pokorny Becker, 1894:157 (*Acerocnema*) — **syn.n.**

Described from single female from “circa Hafni-am”. Holotype is pinned, is in very good condition, labelled “[?]62”, “*C. breviseta* ♀ Staeger 41”, “Holotypus *Cordylura breviseta* Zett. labelled 1954 by J.R. Vockeroth”. Type-locality: Denmark, Northeast Zealand.

CURRENT IDENTITY: *Acerocnema breviseta* (Zetterstedt, 1846), **stat. n.**

REMARKS. *Acerocnema breviseta* is recognised by recent authors (e.g. Gorodkov [1986]; Šifner [2008];) as a synonym of *Acerocnema macrocera* (Meigen, 1826). However, both are good species. Scutum of *A. macrocera* is densely grey dusted (Fig. 1), and in *A. breviseta* is mostly shining (Fig. 4). There are differences in structure of genitalia (Figs 2, 3 and Figs 5, 6). *Acerocnema tiefi* Becker, 1894 and *Acerocnema pokorny* Becker, 1894 proved to be new synonyms of *A. breviseta*.

Cordylura filiformis Zetterstedt, 1846

filiformis Zetterstedt, 1846: 2025 (*Cordylura*).

Described from female(?) “in Suecia boreali”. Two specimens were examined from MZLU. One of them (the abdomen is missing, otherwise it is in good condition) labelled “*C. filiformis* ♀ Lapp Lule” and “Lectotypus *Cordylura filiformis* Zett. Designated by J.R. Vockeroth 19” [not published]. I have labelled it and designate it herewith as lectotype, in order to fix the identity of the name *filiformis*. Type-locality: Sweden, Lule Lappmark. The second specimen — female in good condition, with a green tag, and label “Skalstug” has been labelled as paralectotype; it is conspecific with the lectotype.

CURRENT IDENTITY: *Micropselapha filiformis* (Zetterstedt, 1846), correctly recognised by recent authors.



1

4



2

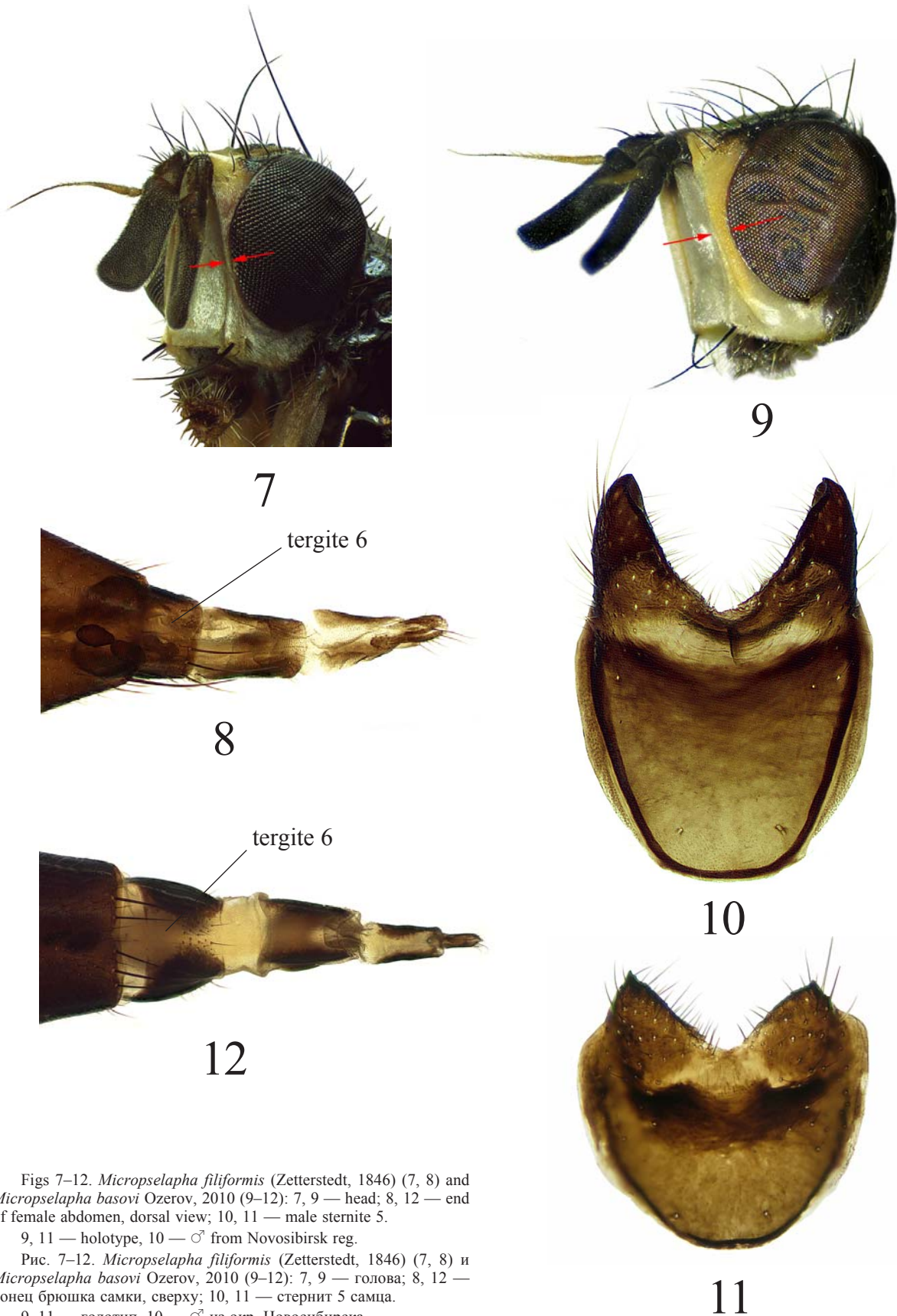
3

5

6

Figs 1–6. *Acerocnema macrocera* (Meigen, 1826) (1–3) and *Acerocnema breviseta* (Zetterstedt, 1846) (4–6), ♂: 1, 4 — scutum; 2, 5 — epandrium, cerci and surstyli, dorsal view; 3, 6 — epandrium, cerci and surstyli, lateral view.

Рис. 1–6. *Acerocnema macrocera* (Meigen, 1826) (1–3) и *Acerocnema breviseta* (Zetterstedt, 1846) (4–6), ♂: 1, 4 — среднеспинка; 2, 5 — эпандрий, церки и сурстили, сверху; 3, 6 — эпандрий, церки и сурстили, сбоку.



Figs 7–12. *Micropselapha filiformis* (Zetterstedt, 1846) (7, 8) and *Micropselapha basovi* Ozerov, 2010 (9–12): 7, 9 — head; 8, 12 — end of female abdomen, dorsal view; 10, 11 — male sternite 5.

9, 11 — holotype, 10 — ♂ from Novosibirsk reg.

Рис. 7–12. *Micropselapha filiformis* (Zetterstedt, 1846) (7, 8) и *Micropselapha basovi* Ozerov, 2010 (9–12): 7, 9 — голова; 8, 12 — конец брюшка самки, сверху; 10, 11 — стернит 5 самца.

9, 11 — голотип, 10 — ♂ из окр. Новосибирска.

REMARKS. The three species of the genus *Micropselapha* Becker, 1894 are currently known: *M. filiformis*, *M. basovi* Ozerov, 2010 and *M. bohémica* Barták et Kubík, 2012. *M. basovi* was described from single male from Tatarstan [Ozerov, 2010], *M. bohémica* was described from both sexes from Czech Republic and Slovakia [Barták & Kubík, 2012].

I examined material of *Micropselapha* from Siberia: ♂ labelled “Novosibirsk env. (ca. 54.8N 83.1E), on *Corydalis*, 13.V.2012, leg. O. Kosterin” and ♂ “Novosibirsk reg. (55.52 N 83.24 E), pine forest & bog, 22.V.2011, leg. O. Kosterin (both in Zoological Museum, Moscow University), and numerous specimens from Czech Republic (♂♂ and ♀♀, including paratypes of *M. bohémica* sent by Dr. M. Barták) in 2014. I determined all studied specimens as *M. basovi*.

The characters noted by Barták & Kubík [2012: 106] for the differentiation of *M. basovi* and *M. bohémica* for my opinion are variations, except for male sternite 5. The latter is more likely undeveloped structure (Fig. 11), than variation (Fig. 10). So I consider *M. bohémica* to be the new synonym of *M. basovi*, **syn.n.**

M. filiformis differs easily from *M. basovi* by narrower parafacies (Fig. 7 and Fig. 9). Females of both species, as it was correctly noted by Barták & Kubík [2012: 105, 106], differ easily by the structure of abdominal tergite 6. It is sclerotized completely in *M. filiformis* (Fig. 8), though in *M. basovi* is desclerotized in middle (Fig. 12).

Scatomyza frontata Zetterstedt, 1838

frontata Zetterstedt, 1838: 724 (*Scatomyza*).

Described from “unicum exemplar” from “Lapponia Tornensi . . . in ripa fluminis ad Juckasjervi”. Type-locality: Sweden, Torne Lappmark. Pinned. There are two specimens on pin. The upper is holotype of *Scatomyza frontata* (good condition), the lower is anthomyiid fly. Labels: “*S. frontana* ♀ (Ar.[?An.] *canescens* ♀) Juckasjerv”, “Holotypus *Scatomyza frontata* Zett. labelled 1954 by J.R. Vockeroth”.

CURRENT IDENTITY: A junior synonym of *Staegegeria kunzei* (Zetterstedt, 1821), **syn.n.**

REMARKS. Gorodkov [1986: 24] placed this species in the genus *Microprosopa* Becker, 1894, possibly, following Hackman [1956: 57]. However it remained unclear why Gorodkov [1986: 24] mentioned *Cordylura strigifrons* Zetterstedt, 1838 [Gorodkov, 1986: 24] as a synonym of this species. The type of *C. strigifrons* needs examination.

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