

Saetulaptera nigra, a new genus and species of the family Phoridae (Diptera) from Kazakhstan

Saetulaptera nigra, новый род и вид двукрылых семейства Phoridae (Diptera) из Казахстана

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KEY WORDS: Diptera, Phoridae, *Saetulaptera nigra*, new genus, new species, Kazakhstan, Zailiyski Alatau.

КЛЮЧЕВЫЕ СЛОВА: Diptera, Phoridae, *Saetulaptera nigra*, новый род, новый вид, Казахстан, Заилийский Алатау.

ABSTRACT. *Saetulaptera nigra*, new genus and species, is described from Zailiyski Alatau of Kazakhstan.

РЕЗЮМЕ. *Saetulaptera nigra*, новый род и вид, описан по материалам из Заилийского Алатау Казахстана.

Introduction

This interesting material of Diptera was collected by Marikovski from Zailiyski Alatau in Kazakhstan. The flies were collected on ant-hill or near it. This species seems to belong to myrmecophil ecological group for which wingless females or females with short wings are typical. In this material a specimen representing a new genus and species of Phoridae has been revealed. Holotype and paratypes of the new species are kept in the Zoological Museum Moscow State University (ZMUM).

Description of new taxa

Saetulaptera gen.n.

Type species: *Saetulaptera nigra* sp.n.

DIAGNOSIS. Frons with long bristles. Eyes normal. Three ocelli well developed. Thorax black, mesopleuron bare. Legs covered with black setae. Wing long and pointed; only two thin veins present. Abdomen black, abdominal tergite with long bristles. Epandrium asymmetrical, with bristles.

Resembling *Couturiera kensmithi* Disney, 1979 by wing venation (Disney, 1979: 142), but differing from it by black body and lanceolate pointed apically darkened wing.

Saetulaptera nigra sp.n.

Figs 1–13.

MATERIAL. Holotype male, labelled “Заилийский Алатау ущ. Чапаева 15.III–74 П. Мариковский” [KAZAKHSTAN: Zailiyski Alatau, Chapayev's = now Karagayly gorge (~ 43.125556°N

76.860000°E), 15.III.1974, leg. P. Marikovsky] (in ZMUM). Type-locality: Karagayly gorge (~ 43.125556°N 76.860000°E) (Kazakhstan: Zailiyski Alatau). Paratypes: 2 ♂♂, 2 ♀♀ with same locality as holotype (all in ZMUM).

DESCRIPTION. Male. *Head* (Figs 1, 4) slightly flattened dorsoventrally, frons black and without a median furrow. Ocelli dark-brown with light short pubescence. The ocelli and bristles well developed. There is a pair of post-ocellar bristles, three pairs of vertical bristles and pair above the eyes. Orbital setae long, $\frac{3}{4}$ height of frons, directed back. The three ocelli more-or-less form an isosceles triangle. Antennae black and with pre-apical arista, which is finely pubescent. Third antennae segment more-or-less globose and with fine pubescence. Proboscis short and black. Palpus black, apical bristle is equal to half of palpus length.

Thorax (Fig. 5) black with thin pruinose. Dorsum and propleuron with strong bristles. Mesopleuron glabrous, margin of notum with long bristle. Spiracle on humeral large. Mesonotum with 5 lines of long bristles. Scutum with several strong and long bristles.

Legs: all long and black. Length ratio of fore legs: coxae — 23; femur — 38; tibia — 29; tarsus — 13:7:7:7:7. Length ratio of middle legs: coxae — 23; femur — 42; tibia — 32; tarsus — 17:10:9:7:7. Length ratio of hind legs: coxae — 23; femur — 48; tibia — 43; tarsus — 25:16:13:9:7.

Wing (Fig. 9). Costa and Rs greatly thickened. Only two thin veins present. Wing membrane with small setae (Fig. 10) and appears grayish, the wing lanceolate with pointed apex. Length 2 mm: width 0.44mm, costal index 0.22. Haltere black.

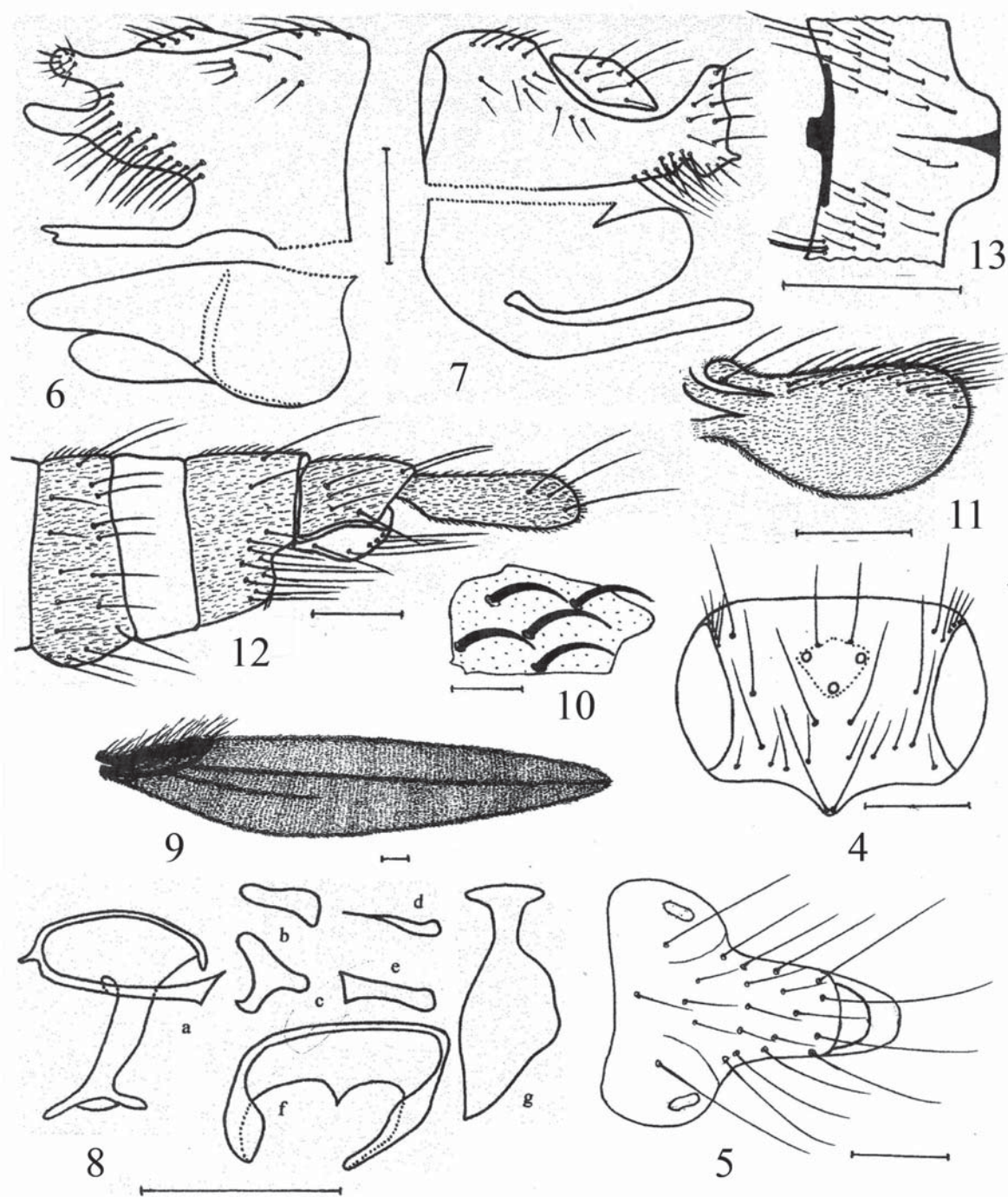
Abdomen. Tergites and sternites black. Tergites with long bristles. Hypopygium black, with bristles (Figs 3–4). Epandrium and hypandrium asymmetrical (Fig. 3–4), phallosome consists of 7 details (Fig. 5, a–g).

Female. Head, thorax, abdomen and legs black (Fig. 3). Wing short (Fig. 11). Wing membrane with small seta and appears grayish. Terminalia (Fig. 12). Hind sternite (Fig. 13). Length (mm): body 2, wing 0.25.



Figs 1–3. *Saetulaptera nigra*, sp.n.: 1 — male holotype; 2 — male head; 3 — female paratype.

Рис. 1–3. *Saetulaptera nigra*, sp.n.: 1 — самец, голотип; 2 — голова самца; 3 — самка, паратип.



Figs 4-13. *Saetulaptera nigra*, sp.n.: 4 — male head; 5 — male thorax, dorsal view; 6 — epandrium and hypandrium to the right; 7 — epandrium and hypandrium from the left; 8 (a-g) — details of fallosome; 9 — male wing; 10 — wing membrane seta; 11 — female wing; 12 — female terminalia, lateral view; 13 — female hind sternite. Scales: 0.1 mm for 1-6; 8-10; and 0.01 mm for 7.

Рис. 4-13. *Saetulaptera nigra*, sp.n.: 4 — голова самца; 5 — грудь, сверху; 6 — эпандрий и гипандрий, вид справа; 7 — эпандрий и гипандрий, вид слева; 8 (a-g) — детали фаллосомы; 9 — крыло самца; 10 — щетинки на мембране крыла самца; 11 — крыло самки; 12 — терминалии самки, сбоку; 13 — задний стернит самки. Масштаб: 0,1 мм для рис. 1-6, 8-10; и 0,01 мм для рис. 7.

AKNOWLEDGMENTS. My thanks to V.L. Kazenas (Alma-Ata, Kazakhsatan) for assistance with interpretation of locality. I wish to thank A.L. Ozerov (Moscow) and V.N. Gerasimov (Moscow) for the help in work.

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