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Brachypogon (Isohelea) silecis, a new species from Poland (Diptera, Ceratopogonidae)

[With 7 text-figs.]

Brachypogon (Isohelea) silecis, nowy gatunek z Polski
(Diptera, Ceratopogonidae)

Abstract. Brachypogon (Isohelea) silecis sp.n. from northern Poland is described and illustrated.

The genus Brachypogon Kieffer of the tribe Ceratopogonini is a moderately large group of predaceous biting midges (Szadziewski, 1988). Brachypogon silecis sp. n. is the 43rd species of the subgenus Isohelea Kieffer in the Palaeartic region (Remm, 1988). From Poland three species have only been recorded, i.e. B.(I.) nitidulus (Edwards), B. (I.) perpusillus (Edwards), and B. (I.) sociabilis (Goetghereuer) (Karl, 1940; Szadziewski, in press).

Brachypogon (Isohelea) silecis sp. n.

Diagnosis. A small species known from the male only, distinguished by having short and stout gonostyli with sharply pointed and curved tip, distal projections of parameres not developed, and the aedeagus with broad concave apex.

Description. Male. Head brown. Eyes pubescent. Total length of flagellum 532 μm. Plume well developed. First flagellomere with 4 sensilla coeloconica. Flagellomeres II—XI fused (fig. 4). Proboscis short. Palpus 5 segmented (fig. 1). Third palpal segment moderately swollen with distinct sensory pit, length 42 μm. Fourth palpal segment bears 2 long setae, length 24 μm. Fifth palpal segment as long as third one.

Thorax dark brown, almost black. Scutellum bears 2 lateral and 2 submedian
long setae. Katepisternum with 2 setae. Legs brown, tarsi pale. Tibial comb composed of 7 spines. Hind basitarsus slightly swollen, with a single row of palisade setae. Fourth tarsomeres subcylindrical. Tarsal ratio of fore leg 1.3, of hind leg 1.6. Wing transparent, length 0.94 mm, costal ratio 0.50. Radial veins barely visible, probably only second radial cell well developed (fig. 2). Vein M₂ obsolete. Wing membrane without microtrichia and with a few macrotrichia along the wing margin in cell r₄₊₅. Halter pale.

Abdomen dark brown. Genitalia almost black (figs. 3, 5—7). Sternite IX short and broad, with deep V-shaped caudomedian excavation. Tergite IX long and broad, with a heavily sclerotized rectangular frame on its ventral surface. Cerci indistinct. Gonocoxite stout, almost as long as broad. Gonostylus short and stout, with abruptly pointed and curved tip. Aedeagus broad and relatively short, basal arms long, basal arch low. Tip of aedeagus broad and slightly concave. Only basal part of parameres connected by a distinct bridge well developed.

Female. — Unknown.
Figs. 4–7. *Brachypogon (Isophelea) silecis* sp.n., male; 4 — flagellum, 5 — right gonooxite and gonostylus, tergite IX and parameres, 6 — aedeagus, 7 — left gonostylus

The holotype will be deposited in the Department of Systematics and Evolution of Animals, Polish Acad. Sci., Cracow.

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REFERENCES


STRESZCZENIE

Podano opis nowego gatunku Brachypogon (Isohelea) silecis sp.n. (Diptera, Ceratopogonidae) na podstawie samea z północnej Polski. Jest to czwarty gatunek podrodzaju Isohelea znany z naszego kraju.

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