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Two New Species of Mycetophilidae from Bulgaria (Insecta, Diptera)

With 4 Figures

DIMITAR B E C H E V
Vratza

Studying Bulgarian specimens collected in the Western Balkan Range there were found two new species of family Mycetophilidae. The holotypes and paratypes are preserved in the private collection of the author.

***Ectrepesthoneura ledenikiensis* n. sp.**

Male Length of the wing 3,4–3,5 mm.

Head. Black, with pale bristles. Clypeus black, palpi yellow. Antennae with scape dark brown, pedicel yellow and yellowish lower part of the first flagellar segment. Rest flagellomeres dark brown, clothed with pale hairs.

Thorax. Black, pronotum and mesoscutum with long pale setae. Pleurae bare. Scutellum with 4 long bristles, laterals shorter than apicals.

Legs. Coxae yellow, cx_2 and cx_3 dark on the base. Trochanters darkened. Femora dingy yellow, with dark spots underneath in basal part. f_2 only on the apex dark, f_3 with dark apical quarter. Tibiae and spurs dingly yellow. Tarsi brownish. Mid tibia equal to its femur; with 1–2 fine av, 8 strong ad, 2 strong pd, 4–5 fine p in apical half and 8 fine pv. Hind tibia 1,25 longer than its femur; with 13–15 strong ad, 13–14 strong d, 10–12 very fine pd in apical half and 4–5 fine pv in apical part.

Wings. Clear. Costa, radial sector, Sc and r–m brown, rest yellowish. All veins with macrotrichia except h, Sc, stem of M and R₄. Costa extended 0.6 distance from R₅ to M₁. Radial cell thrice longer than wide. Stem of the medial vein twice longer than r–m.

Abdomen. Entirely black, with pale hairs.

Hypopygium. Dark (Figs. 1–2).

Female Unknown.

H o l o t y p e Male, Bulgaria, West Balkan Range, Vrachanska Mountains, Ledenika, 5. 04. 1986.

E. ledenikiensis n. sp. is distinguished from rest Holarctic species of *Ectrepesthoneura* in the structure of the genital apparatus – form of tergite IX and ventral processes of gono Coxopodites.

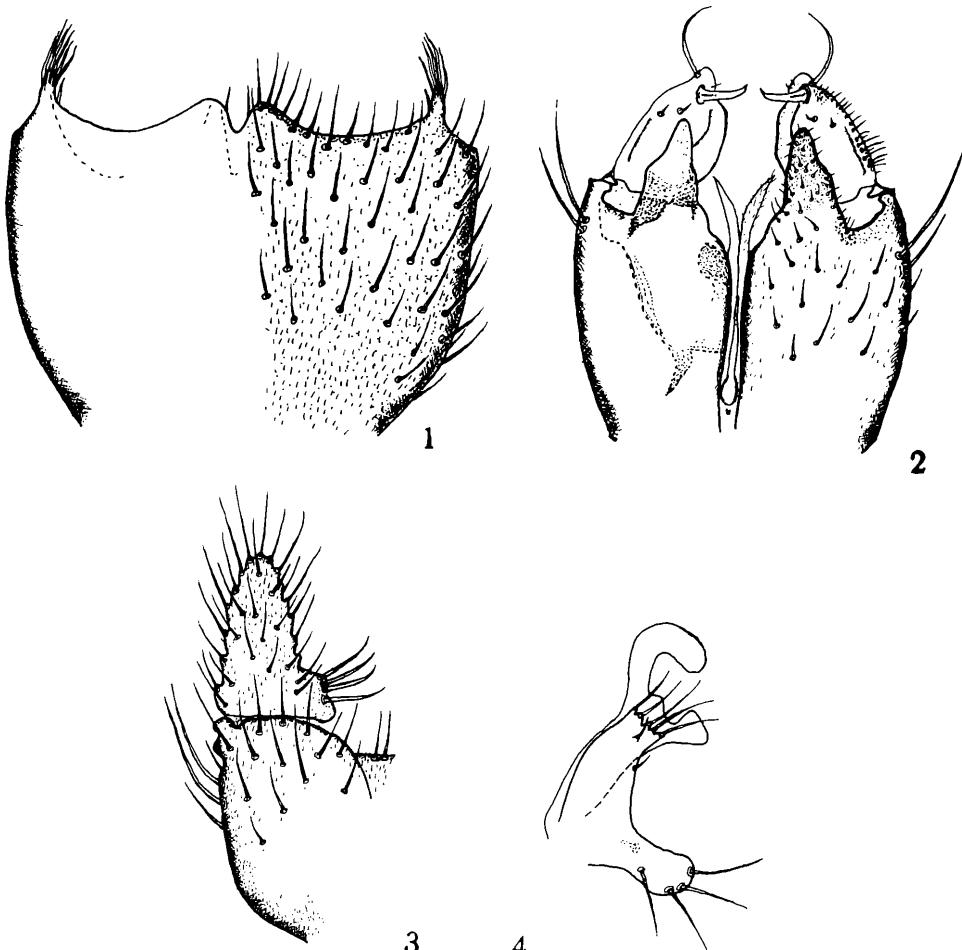
***Mycetophila devioides* n. sp.**

Male Length of the wing 2,5 mm.

Head. Black-brown, mouthparts and palpi yellowish. Antennae brown, with yellowish scape, pedicel and basal part of the first flagellar segment.

Thorax. Mesoscutum brown, with yellowish humeral specks. Scutellum brown, with 4 long apical bristles. Pleurae and mediotergite brown. Proepisternum with 2 bristles, anepisternum with 6, mesepimeron with 3.

Legs. Coxae and femura yellow, f_3 darkened on the apex. Tibiae and tarsi yellowish. Mid tibia with 2v, 2a, 4d and 1p (+ apical – 1a, 1ad, 1 strong d and 1p). Hind tibia with 6–8a and 5d (+ apical – 1a and 1av).



Figs. 1–2: *Ectrepesthoneura ledenikjensis* n. sp. 1 — tergite IX; 2 — hypopygium, ventral view. — Figs. 3–4: *Mycetophila devioides* n. sp. 3 — Hypopygium, half, ventral view 4 — dorsal stylomere (dististyle).

Wings. Pale yellowish, without spots. Ratio of $r-m$: M petiole 0.38. M before $r-m$ without setulae. Halterae yellow

Abdomen. Entirely black-brown. First abdominal tergite with 2 long dorsal bristles. Abdominal sternites II and III each with a pair of long medial apical bristles.

Hypopygium. Yellowish (Figs. 3–4).

Female Unknown.

Holotype Male, Bulgaria, West Balkan Range, mount hostel "Bjalata voda" 26. 6. 1982.

Paratypes From same locality, 26. 6. 1982, 3 males, and 10. 7. 1982, 1 male.

M. devioides n. sp. is similar to the North American *M. devia* (LAFFOON, 1956) from which it is distinguished in the form of ventral stylomere (basistylus).

Reference

LAFFOON, J. L., 1956: A revision of the Nearctic species of *Fungivora* (Diptera, Mycetophilidae). — Iowa State Coll. Journ. Sci. 31, 2, 141–340.

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