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Hybridolinus smetanai sp.n. from China (Insecta: Coleoptera: Staphylinidae)

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Abstract

A new species of *Hybridolinus* SCHILLHAMMER, 1998 is described from China (Shaanxi): *H. smetanai*. Its tentative position in the key to species of *Hybridolinus* (SCHILLHAMMER 2000) is mentioned and its aedeagus is illustrated.

Key words: Insecta, Coleoptera, Staphylinidae, Staphylininae, Philonthina, *Hybridolinus*, systematics, taxonomy.

Zusammenfassung

Eine neue Art der Gattung *Hybridolinus* SCHILLHAMMER, 1998 wird aus China (Shaanxi) beschrieben: *H. smetanai*. Die Position der Art im revidierten Bestimmungsschlüssel der *Hybridolinus*-Arten (SCHILLHAMMER 2000) wird besprochen und die Genitalien der Art werden abgebildet.

Introduction

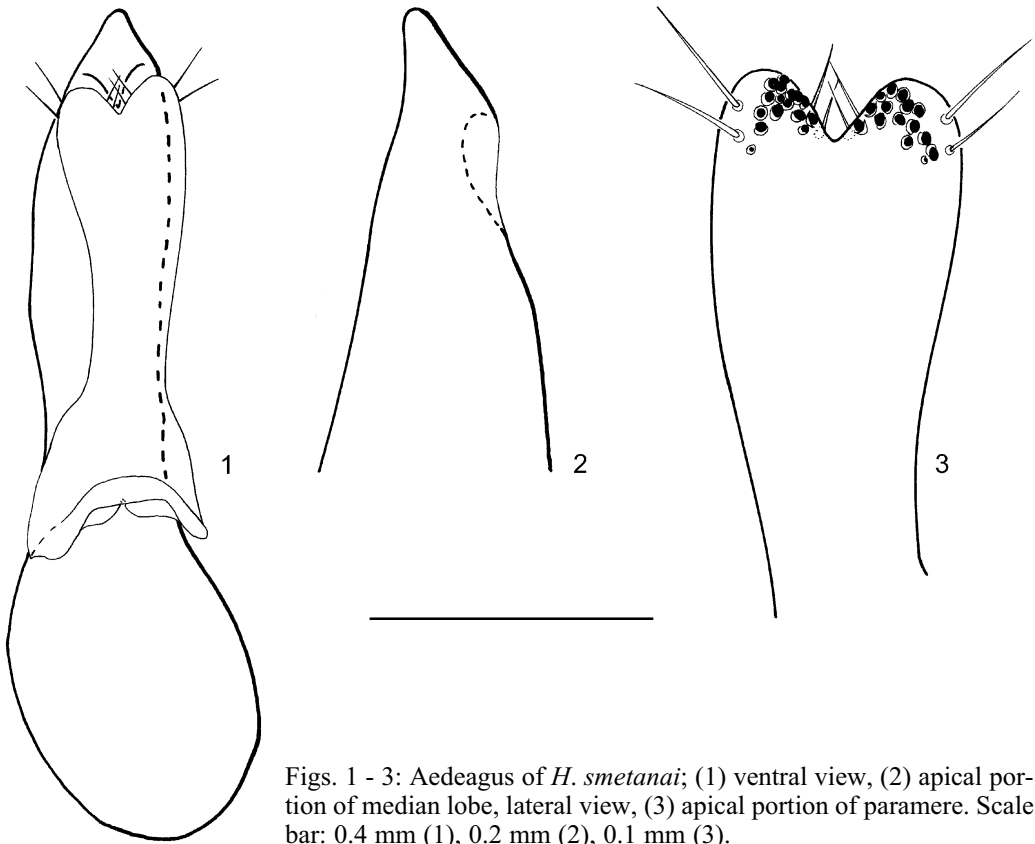
Recently, A. Smetana sent me part of the material he collected in China last year. Among other highly interesting specimens, it contained one specimen of a new species of *Hybridolinus* SCHILLHAMMER, 1998, which is described herein, increasing the number of known *Hybridolinus* to nine species.

Hybridolinus smetanai sp.n.

Holotype ♂: "CHINA Shaanxi Qinling Shan above Houzhenzi 115 km WSW Xi'an \ 1450 m 33°50'N 107°47'E 5.VII.2001 A. Smetana [C95b]" - deposited in coll. Smetana (Ottawa).

Description: 11.3 mm long (5.3 mm, abdomen excluded). – Head black, anterior portion of antennal grooves dark reddish-testaceous; pronotum black, margins narrowly obscurely reddish; elytra reddish-testaceous, hind margin narrowly yellowish, each elytron with large, triangular, postero-lateral pitchy patch, laterally occupying about lateral half length of elytron; scutellum black; abdomen with first four visible segments dark reddish-brown to black brown, paler reddish-brown laterally, posterior margins broadly reddish-yellow; segment VII narrowly reddish-brown at base, with broad blackish transverse band absent from paraterga, posterior 2/5 reddish-brown turning to reddish-yellow toward posterior margin; segment VIII blackish, base broadly reddish-yellow, posterior margin narrowly, unsharply brownish-yellow; styli of tergite IX pale brownish-yellow at base, turning to dark reddish-brown apically; tergite X pale yellowish; mandibles dark, palpi

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Figs. 1 - 3: Aedeagus of *H. smetanai*; (1) ventral view, (2) apical portion of median lobe, lateral view, (3) apical portion of paramere. Scale bar: 0.4 mm (1), 0.2 mm (2), 0.1 mm (3).

pale reddish-brown; antennae with basal two segments bright reddish-brown, distal half of segment 2 somewhat dimmed, segments 3 - 7 black with bright reddish intersegmental pieces, segments 8 - 11 creamy white; legs pale reddish-yellow, tarsi somewhat darker, knees inconspicuously obscured.

Head slightly trapezoid, distinctly wider than long (ratio 1.4); eyes 1.11 as long as tempora, tempora almost evenly rounded, convergent; surface of head with rather dense and coarse punctation, absent from narrow midline and clypeus; disc of head with dense, distinct isodiametrical microsculpture, meshes becoming longer, narrower and finer laterally, particularly on tempora; antennae with segments 4 - 6 slightly oblong, segment 7 - 10 about as long as wide; pronotum as long as wide, about as wide as head, widest shortly before large lateral seta, narrowed toward base in very shallow concave arc; surface densely punctate, punctures separated in transverse direction by 2 - 4 puncture diameters, surface very shiny due to inconspicuous microsculpture of exceedingly fine transverse and oblique meshes; elytra along sides about 1.3 as long as pronotum, densely but finely punctate, pubescence golden yellow, except setae being dark brown with blackish base on dark patches; scutellum with numerous, almost pit-like punctures, lateral margin impunctate; first three visible abdominal tergites with conspicuous transverse depression at base; all tergites with only one basal line, rather finely, almost uniformly punctate; male sternite VIII with rather shallow medio-apical emargination and well developed semi-membranous extension;

Aedeagus (Figs. 1, 2) with median lobe rather short, only slightly exceeding apex of paramere; paramere (Fig. 3) with moderately deep, narrow, V-shaped apical emargination.

Diagnosis: The new species is externally very similar to *H. hesperoides* SCHILLHAMMER, 1998, but differs by the number of white distal antennal segments and by the broader, indistinctly delimited reddish posterior margins of the tergites.

The species runs in the revised key to species of *Hybridolinus* (SCHILLHAMMER 2000) to couplet 4, and there, because of the partly blackish abdominal segment VII, to *H. flavocinctus* SCHILLHAMMER, 2000. However, it differs from the latter at once by the predominantly reddish elytra, the broadly reddish posterior margins of the abdominal tergites and by the entirely reddish-yellow legs.

Distribution: *Hybridolinus smetanai* is at present known only from the type locality in Shaanxi (Qinling Shan).

Etymology: The species is named in honor of its collector A. Smetana, who (according to his own words) seems to have a special sense to track down the *Hybridolinus* species.

Bionomics: The holotype was taken in a mature broadleaved forest in a valley of a small creek by sifting layers of fallen mouldy leaves along bases of large rocks on the forest floor.

References

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