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A new species of *Hybridolinus* SCHILLHAMMER, 1998 (Coleoptera: Staphylinidae: Staphylininae)

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Abstract

A new species of the genus *Hybridolinus* SCHILLHAMMER, 1998 (Coleoptera: Staphylinidae: Staphylininae) is described: *H. meilishanus* (China: Yunnan). The male copulatory organ of the new species is illustrated. The key to species of *Hybridolinus* is updated.

Key words: Coleoptera, Staphylinidae, Staphylininae, Philonthina, *Hybridolinus*, new species, China, systematics, taxonomy, key.

Introduction

The genus *Hybridolinus* SCHILLHAMMER, 1998 is so far known only from China and Taiwan (SCHILLHAMMER 1998, 2000, 2003). The recent discovery of another new species raises the number of known species to ten (nine from the mainland and one from Taiwan). The specimens treated in this paper are deposited in the collections of Michael Schülke, Berlin (CSB), Aleš Smetana, Ottawa (CSO) and the Naturhistorisches Museum Wien (NMW).

Hybridolinus meilishanus sp.n.

Holotype ♂: “CHINA: N-Yunnan [C2005-09], Diqing Tibet. Aut. Pref., Deqin Co., Meili Xue Shan, E-side, 14 km W Deqin, 2580 m, \ 28°27.47'N 98°46.35'E, valley below glacier, mixed forest, leaf litter, moss, dead wood, sifted, 11.VI.2005, M. Schülke [C2005-09]” (CSB).

Paratypes (7 exs.): 2 ♂♂: same data as holotype (CSB, NMW); 2 ♂♂, 1 ♀: “CHINA: N-Yunnan [C2005-07A], Diqing Tibet. Aut. Pref., Deqin Co., Meili Xue Shan, E-side, 12 km SW Deqin, 2890 m, 28°25.30'N 98°48.47'E \ small creek valley, mixed forest with bamboo, leaf litter, moss, dead wood, sifted, 13.VI.2005, M. Schülke [C2005-07A]” (2 CSB, 1 NMW); 1 ♀: similar data as before but leg. A. Smetana [C160] (CSO); 1 ♀: “CHINA: Yunnan, pass 50 km W from Judian, 10.-13.6.2005, Ivo Jeniš lgt.” (NMW).

DESCRIPTION: 10–12 mm long (5.3–6.0 mm, abdomen excluded). Black, fore body dark metallic blue with slight violaceous to inconspicuously greenish hue; elytra with posterior margin and epipleura narrowly but brightly yellowish, yellowish band along epipleura becoming somewhat wider at shoulders; abdomen black, posterior half of segment VII and entire segment VIII bright reddish, segments IX and X reddish yellow with styli of tergite IX becoming darker distally; antennae black with four outer segments creamy white; palpi dark brown, tips of palpomeres markedly paler, last segment of maxillary and labial palpi usually entirely reddish, rarely darkened leaving only tips reddish yellow; mandibles reddish brown with infuscate base; all femora and tibiae pale yellow, tarsi variably reddish to dark brown, always markedly darker than tibiae.

Head slightly trapezoid, distinctly wider than long (1.35–1.48 in males, 1.32–1.38 in females), eyes hardly protruding, about as long as tempora, disc of head rather coarsely, moderately densely punctate, midline glabrous, tempora coarsely and densely punctate, surface with distinct isodiametrical microsculpture; antennae with segments 4–6 oblong, segment 7 about as long as wide, segments 8–10 slightly transverse; mandibles and palpi hardly differing from other

Hybridolinus species; pronotum about as long as wide (L:W = 0.95–1.08), widest in anterior third, narrowed toward rounded base in almost straight line, surface uniformly punctate except for well delimited glabrous mid-line, size and density of punctation as on tempora, with very fine, narrow-meshed microreticulation; elytra densely punctate, punctures separated by 1–2 puncture diameters in transverse direction, a few punctures almost contiguous; first three visible abdominal tergites with transverse basal depression, punctation rather fine and sparse, somewhat stronger at base and laterally on first three visible tergites, more or less uniform on remaining tergites; first four tarsomeres of front legs distinctly dilated, subbilobed.

Aedeagus (Fig. 1) very similar to that of *H. daliensis* (see “diagnosis”). Medio-apical notch of paramere slightly variable in depth and width.

DIAGNOSIS: The species is very similar to *H. daliensis*, but differs by the somewhat larger size and the color pattern of the last abdominal segments. The aedeagi of both species are extremely similar, but in *H. daliensis* the parameral lobes are regularly rounded while in *H. meilishanus* the distal outline of the parameral lobes is subangulate.

DISTRIBUTION: The species is at present known only from northwestern Yunnan.

ETYMOLOGY: The species is named after the type locality.

Key to species of *Hybridolinus*

- | | | |
|---|---|---------------------|
| 1 | Antennae with two outer segments creamy-white; head and pronotum very shining due to very faint microsculpture..... | 2 |
| – | Antennae with four (rarely three or five) outer segments creamy-white; head with distinct isodiametrical microsculpture..... | 3 |
| 2 | Visible tergites I–V with posterior margins markedly reddish; brick-red elytra with variably large, well confined black markings laterally; eyes very large, 1.75–2.0 times as long as tempora..... | <i>hesperoides</i> |
| – | Visible tergites I–III entirely black, posterior half of 4th and entire 5th visible tergite reddish; brick-red elytra with only a slight “shadow” postero-laterally; eyes smaller, 1.15 times as long as tempora..... | <i>singularis</i> |
| 3 | Entirely black species..... | <i>diabolicus</i> |
| – | Not entirely black, elytra with shoulders, apical margin and epipleura yellowish, legs at least partly yellowish..... | 4 |
| 4 | Abdominal segment VIII with posterior half black..... | 5 |
| – | Abdominal segment VIII entirely reddish, elytra violaceous or reddish..... | 6 |
| 5 | Elytra black..... | <i>flavocinctus</i> |
| – | Elytra reddish..... | <i>smetanai</i> |
| 6 | Elytra violaceous..... | 7 |
| – | Elytra reddish..... | 9 |
| 7 | Abdominal segment VII entirely reddish..... | <i>daliensis</i> |
| – | Basal third or half of abdominal segment VII black..... | 8 |
| 8 | Femora and apical tips of tibiae black..... | <i>similis</i> |
| – | Femora and tibiae entirely yellow..... | <i>meilishanus</i> |
| 9 | Legs entirely yellow..... | <i>jizushanus</i> |
| – | Femora and apical tips of tibiae dark..... | <i>decipiens</i> |

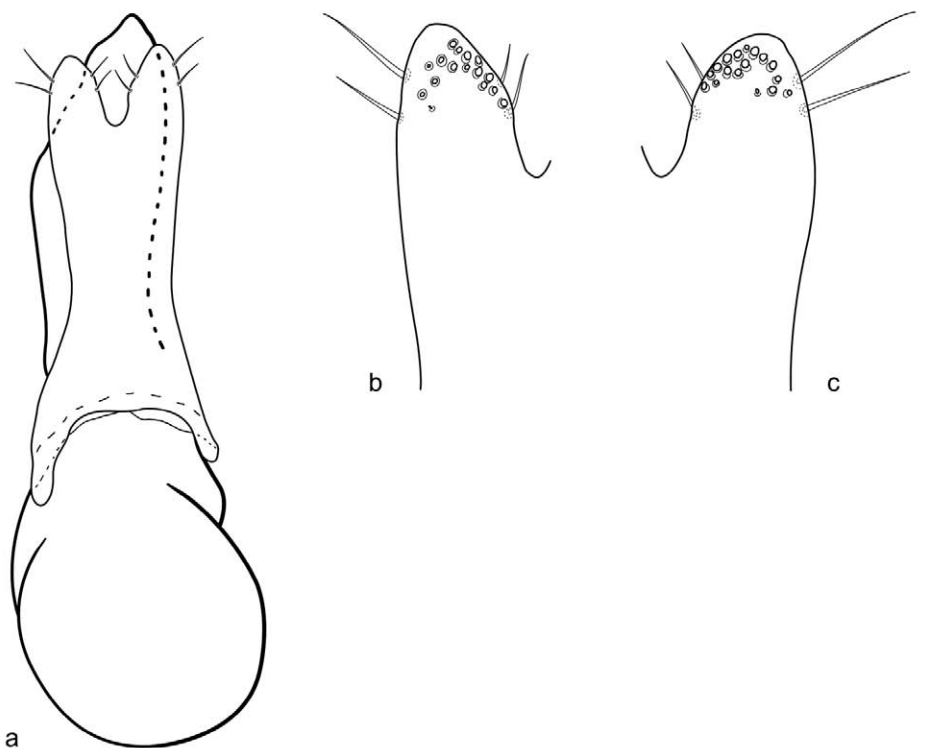


Fig. 1: *Hybridolinus meilishanus* a) aedeagus, ventral view; b, c) underside of apical portion of paramere; b) right lobe, c) left lobe. Scale bar: 0.5 mm (a), 0.25 mm (b, c).

Zusammenfassung

Eine neue Art der Gattung *Hybridolinus* SCHILLHAMMER, 1998 wird beschrieben: *H. meilishanus* (China: Yunnan). Das Genital der neuen Art wird abgebildet und der Schlüssel zu den Arten der Gattung *Hybridolinus* wird aktualisiert.

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