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Contributions to the knowledge of the "*Staphylinus*-complex" of China.

Part 26. The genus *Ocychinus* SMETANA 2003, section 4. Two new species of *Ocychinus*, one of them the first representative of the genus in the Himalaya (Coleoptera: Staphylinidae: Staphylininae: Staphylinini)

A. SMETANA

A b s t r a c t : *Ocychinus schneideri* nov.sp., the first representative of the genus *Ocychinus* SMETANA 2003 in Himalaya is described based on a specimen taken in Kanchenjunga Himal in eastern Nepal. *Ocychinus caeruleatus* nov.sp. is described based on a specimen taken in Yunnan, mainland China. The new species are compared to the presently known (Chinese) species of the genus with blue elytra.

K e y w o r d s : Coleoptera, Staphylinidae, Staphylininae, Staphylinini, *Ocychinus*, Palaearctic region, China, Nepal Himalaya, new species, distribution.

Introduction

The genus *Ocychinus* was established by SMETANA (2003) for twelve Chinese species, all but one, *Ocychinus yeti* DVOŘÁK 2000, described as new. Two species were subsequently transferred to the genus *Sphaerobulbus* SMETANA 2003, one species was transferred from *Sphaerobulbus* to *Ocychinus*, and one additional species was described in *Ocychinus* (SMETANA 2010). After these changes the genus *Ocychinus* contains at present 13 Chinese species (checklist in SMETANA 2010). The species of the genus typically occur at high montane elevations, from 3, 300 m up to 5, 300 m, and several species occur in northwestern Yunnan and in Xizang. The presence of the genus in the Himalaya is therefore not surprising and it fits nicely in the distributional range of the genus.

Material and methods

Exact label data are given for the holotypes. Separate lines are indicated by a slash, when applicable.

The photographs were made with a Leica Digital DC500 camera on a Leica MDG41 stereo microscope.

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Descriptions

Ocychinus schneideri SMETANA nov.sp. (Figs. 1, 3, 5)

Type locality: Eastern Nepal, Kanchenjunga Himal, Ghunsa village, 27°40'N 87°56'E, 3376 m.

Type material: Holotype, female: "E-Nepal 6-10.7.2000 Kanchenjunga Himal Mts. GHUNSA vill. 3376 m 27°40'N 87°56'E [GPS] env. Jan Schneider leg.". In the Smetana collection, Ottawa, Canada (to be eventually deposited in the Muséum d'histoire naturelle, Genève, Switzerland.

Diagnosis. At present, there are three species of *Ocychinus* with dull blue or purplish-blue elytra: *O. yeti*, *O. tibetanus* SMETANA 2003 and *O. capitalis* SMETANA 2003. They all have black appendages. *Ocychinus schneideri* differs from all of them by having rufotestaceous legs (Fig. 3).

Description. Black, fore body shiny, elytra dull dark blue, tergite 10 of genital segment brunneous; maxillary and labial palpi, mouthparts and labrum testaceous, first three antennal segments brunneous, rest of antenna brunneopiceous; legs rufotestaceous (Fig. 5). Head of rounded quadrangular shape, with entirely rounded posterior angles, vaguely dilated posteriad, wider than long (ratio 1.22); eyes small, flat, tempora considerably longer than eyes from above (ratio 1.90); dorsal surface of head (Fig. 3) very finely, moderately densely punctate, interspace between punctures mostly markedly larger than diameters of punctures, bearing extremely fine micropunctulae, tempora each with numerous coarse punctures extending anteriad along medial margin of each eye and with some fine punctures, each bearing short seta; dorsal surface of head with extremely fine, rudimentary microsculpture becoming coarser along posterior margin of head and particularly on tempora; dorsal surface of neck with sparse fine punctures and rudimentary microsculpture. Antenna relatively short, segment 3 vaguely longer than segment 2 (ratio 1.12), segment 4 slightly longer than wide, following segments becoming gradually shorter with segments 8 and 9 about as long as wide, last segment slightly shorter than two preceding segments combined. Pronotum about as long as wide with obtusely rounded base, slightly narrowed anteriad, narrow marginal groove disappearing downward at about anterior third of pronotal length; disc of pronotum with traces of impunctate midline; punctation similar to that on head, but slightly finer, disc with rudimentary microsculpture similar to that on head, gradually disappearing laterad. Scutellum sparingly punctate and pubescent, with fine, dense microsculpture. Elytra short, vaguely widened posteriad, at suture markedly shorter (ratio 0.68), at sides shorter (ratio 0.84) than pronotum at midline; punctation very fine and moderately dense, interspaces between punctures mostly distinctly larger than diameters of punctures; surface of elytra appearing quite dull due to dense, granulose microsculpture; pubescence piceous. Wings apparently reduced to nonfunctional stumps. Abdomen with fifth visible tergite without pale apical seam of palisade fringe; tergite 2 (in front of first fully visible tergite) with row of setiferous punctures along posterior margin; all abdominal tergites with punctation and pubescence similar to those on elytra, gradually becoming sparser toward apex of abdomen; interspaces between punctures with fine and dense submeshed microsculpture.

Female. Tergite 10 of genital segment as in Fig. 1.

Male unknown.

Length 13.00 mm.

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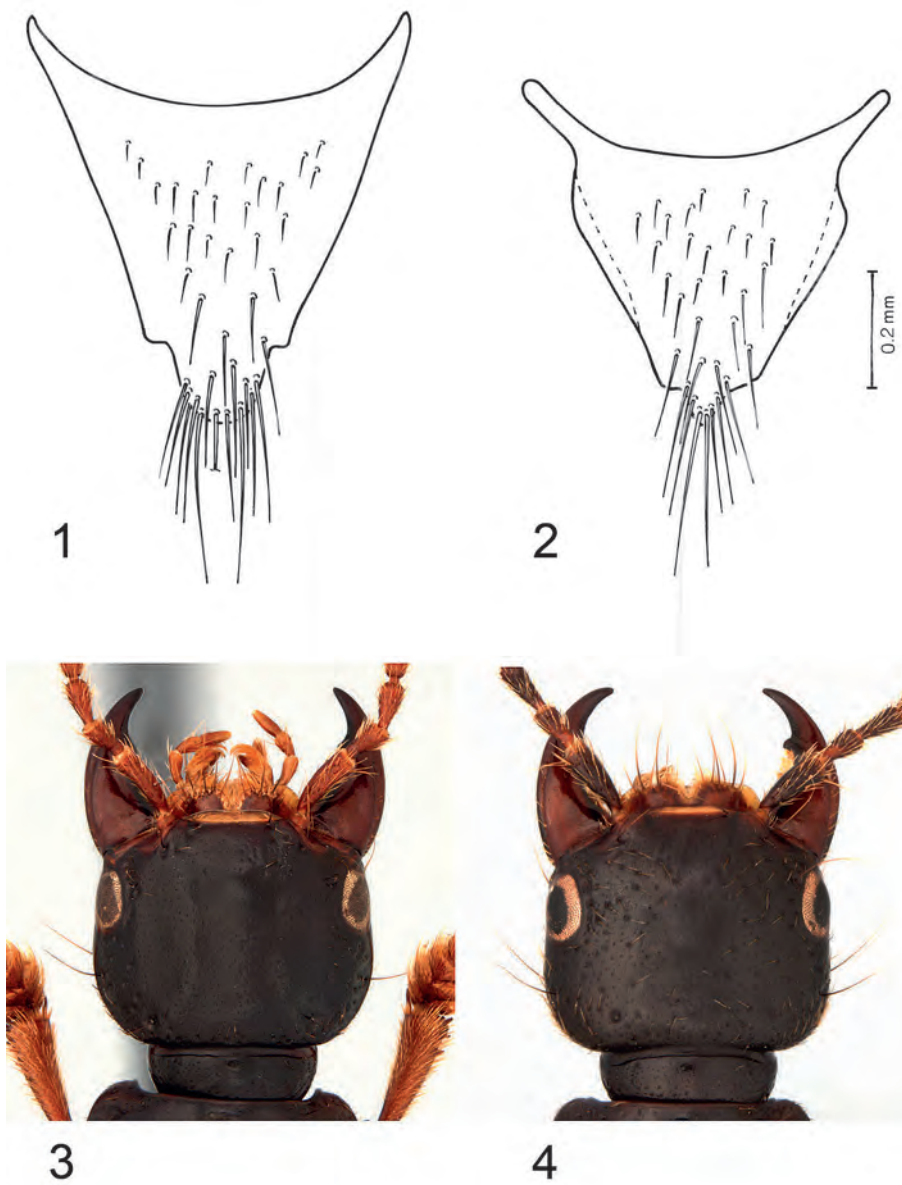

Figs 1-4: Tergite 10 of female genital segment. (**1**) *Ocychinus schneideri* nov.sp.; (**2**) *Ocychinus caeruleatus* nov.sp. **3, 4**: detail of dorsal surface of head. (**3**) *Ocychinus schneideri* nov.sp.; (**4**) *Ocychinus caeruleatus* nov.sp.

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Figs 5, 6: Habitus. (**5**) *Ocychinus schneideri* nov.sp.; (**6**) *Ocychinus caeruleatus* nov.sp. Actual size of *O. schneideri* nov.sp. 13.0 mm, that of *O. caeruleatus* nov.sp. 12.0 mm.

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G e o g r a p h i c a l d i s t r i b u t i o n . *Ocychinus schneideri* is at present known only from the type locality in the Kanchenjunga area in eastern Nepal.

B i o n o m i c s . Nothing is known about the collecting circumstances of the holotype.

C o m m e n t s . Several specimens of *Quedius* (*Microsaurus*) *davidkrali* HROMÁDKA 2003 were collected together with the holotype.

E t y m o l o g y . Patronymic; the species is dedicated to the accomplished coleopterist and my friend Jan Schneider of Prague, Czech Republic, in fond memories of our entomological adventures in China.

Ocychinuus caeruleatus SMETANA nov.sp. (Figs. 2, 4, 6)

T y p e l o c a l i t y . China, Yunnan, Dulong & No Minority County, Gongshan, Bingzhongluo Co., Siji Tong, Chukuai Lake, 27.97944N 098.47720E, 3715 m.

T y p e m a t e r i a l . Holotype female: "Chukuai Lake Siji Tong Bingzhongluo C. Gongshan Dulong & Nu Minority County / Yunnan Prov. Alt. 3715 m N27.97944 E098.47720 18-VIII-2054 LIU Ye Leg.". In the collection of the Department of Biology, Shanghai Normal University, Shanghai, Peoples Republic of China.

D i a g n o s i s . *Ocychinus caeruleatus* differs from the three species of *Ocychinus* with blue elytra and black appendages known at present (*O. yeti*, *O. tibetanus* SMETANA 2003 and *O. capitalis* SMETANA 2003) by the double punctation of the head, featuring coarse and fine punctures (Fig. 4).

D e s c r i p t i o n . Black, fore body shiny, elytra dull dark blue, tergite 10 of genital segment brunneous; maxillary and labial palpi brunneopiceous, mandibles dark rufobrunneous, labrum rufobrunneous with yellowish margins; antenna (except for reddish base of second segment) and legs black, legs with somewhat paler tarsi (Fig. 6). Head of rounded quadrangular shape, with entirely rounded posterior angles, vaguely dilated posteriad, wider than long (ratio 1.24); eyes small, almost flat, tempora considerably longer than eyes from above (ratio 1.54); punctation of dorsal surface of head double, composed of irregularly spaced, moderately coarse punctures and intermixed fine punctures, vertex of head almost without punctures; tempora each with numerous coarse punctures extending anteriad along medial margin of each eye and with some fine punctures, each bearing short seta; dorsal surface of head with fine microsculpture of waves becoming coarser and submeshed along posterior margin of head and particularly on tempora; dorsal surface of neck with sparse fine punctures and rudimentary microsculpture. Antenna moderately long, segment 3 vaguely longer than segment 2 (ratio 1.14), segments 4-8 longer than wide, becoming gradually shorter, 9 and 10 about as long as wide, last segment markedly shorter than two preceding segments combined. Pronotum about as long as wide with rounded base, slightly narrowed anteriad, narrow marginal groove disappearing downward at about anterior third of pronotal length; disc of pronotum without appreciable impunctate midline; punctation extremely fine and irregularly spaced, lateral portions each with several coarse punctures, disc without microsculpture, but rudimentary microsculpture gradually appearing toward anterior and both lateral portions of pronotum. Scutellum sparingly punctate and pubescent, with fine, dense microsculpture. Elytra relatively long, vaguely widened posteriad, at suture vaguely shorter (ratio 0.93), at sides vaguely longer (ratio 1.07) than pronotum at midline; punctation very fine and moderately dense, becoming gradually somewhat denser toward lateral margins, interspaces between punctures mostly distinctly larger than diameters of punctures; surface of elytra appearing quite dull due to dense, granulose microsculpture;

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pubescence piceous. Abdomen with fifth visible tergite with fine, pale apical seam of palisade fringe; tergite 2 (in front of first fully visible tergite) with a few very fine punctures near posterior margin; all abdominal tergites with punctation and pubescence similar to those on elytra but somewhat less fine, gradually becoming markedly sparser toward apex of abdomen; interspaces between punctures with extremely fine, dense microsculpture of transverse striae.

Female. Tergite 10 of genital segment as in Fig. 2.

Male unknown.

Length 12.0 mm.

G e o g r a p h i c a l d i s t r i b u t i o n . *Ocychinus caeruleatus* is at present known only from the type locality in northwesternmost Yunnan.

Bionomics. Nothing is known about the collecting circumstances of the holotype.

C o m m e n t s . Segments 4-11 of the left antenna are broken off, they are glued separately on the plate with the beetle.

E t y m o l o g y . The specific epithet is the Latin adjective *caeruleatus*, *-a*, *-um* (dark blue, sky blue). It refers to the color of the elytra of the species.

Ackowledgments

I thank Anthony Davies for providing the habitus photographs and Go Sato for finishing the line drawings, both from Agriculture and Agri-Food Canada, Ottawa, Canada.

Zusammenfassung

Zwei Arten der Gattung *Ocychinus* SMETANA werden beschrieben und abgebildet, davon eine aus Nepal, *O. schneideri* SMETANA nov.sp. (Kanchenjunga Himal), und eine aus China, *O. caeruleatus* SMETANA nov.sp. (Gongshan, Chukuai Lake).

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