

A New Species of the Genus *Schmidtiana* (Coleoptera, Cerambycidae) from Southern Vietnam

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Abstract A new callichromine cerambycid species, *Schmidtiana shinkaii*, is described from southern Vietnam. It is distinguished from *S. violaceothoracica* described from Laos by robust body, presence of lateral spines of pronotum, different maculation of elytra and differently shaped male genitalia.

In recent years, our knowledge of the coleopteran fauna of Vietnam has rapidly increased by repeated collecting trips made by many Japanese entomologists. However, only a few people have tried to visit the southern part of the country because of difficulty of access to good collecting sites protected with natural forests. In the spring of 1998, I was able to obtain some interesting cerambycid beetles on the Dalat Highlands in southern Vietnam in collaboration with Mr. Akio SHINKAI.

Although most of the collection is still under taxonomic examination, I would like to describe in this paper a remarkable new species of the genus *Schmidtiana*. It is doubtless that the new species is a close relative of *S. violaceothoracica* (GRESSITT et RONDON) occurring in central Laos and northern Vietnam, but it is distinguished by the body form, shape of labrum, lateral spines of pronotum, elytral maculation and the shape of male genitalia.

Before going further, I wish to express my hearty thanks to Mr. Akio SHINKAI for his help in the field research on the Dalat Highlands, and to Mr. Tatsuya NIISATO for kindly reading the original manuscript of this paper. Thanks are also due to Dr. Masatoshi TAKAKUWA for his constant guidance, and Messrs. Koichi OIKAWA and Nguyen Kim THANH for their kind help in various ways.

Schmidtiana shinkaii sp. nov.

(Figs. 1–5)

A large and robust species, characterized by the largely orange body, with dark purple apical halves of elytra.

Male. Head black, with purplish tinge; antennae orange; prothorax and scutellum purplish black; elytra yellowish orange in basal halves, the remainders dark purple; prosternum black; mesosternum purplish black; abdomen steel-purple; legs yellow.

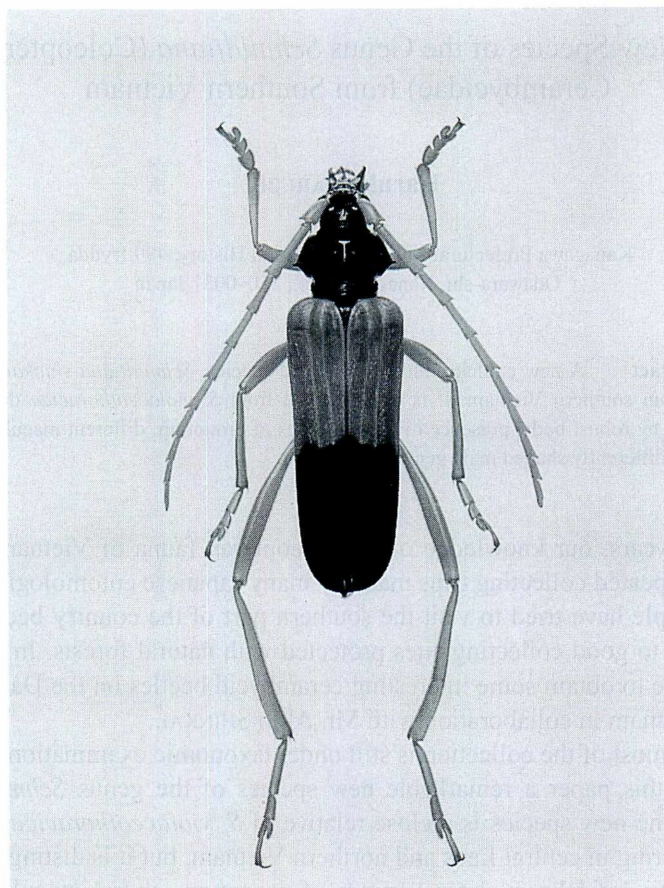
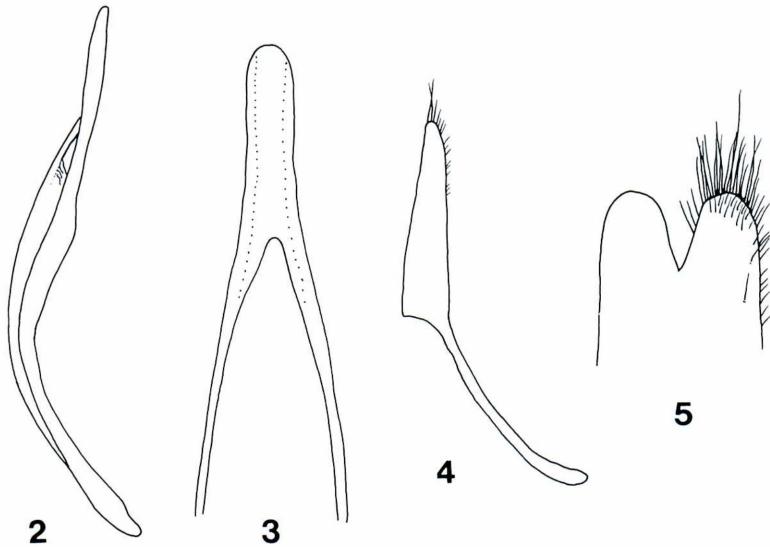


Fig. 1. *Schmidiana shinkaii* sp. nov., holotype ♂, from the Dalat Highlands, southern Vietnam.

lowish brown. Body covered with minute pubescence, whose coloration almost agrees with the ground colour, the pubescence being dense and suberect on vertex, occiput and pronotum, thin and sparse on antenna, long and rather sparse on legs, and shorter and recumbent on the other parts.

Head rather narrow, moderately produced anteriorly, finely punctured on dorsum, except for the smooth median part of occiput; labrum 2.46 times as wide as long, rectangularly emarginate on apical margin, provided with four pairs of long setae near the middle of the sides; clypeus sparsely punctured except for the anterior border; antennal supports at the inner sides strongly raised; frons rather narrow, with a median longitudinal groove running from anterior margin to anterior level of occiput, which is very shallow on frons though very deep between antennae. Antennae shorter than body, reaching apical 9/10 of elytra, rather thick, with scape expanded, acutely toothed apico-externally, segments 3–5 rather weakly toothed as in scape, segments 6–10



Figs. 2–5. Male genital organ of *Schmidtiana shinkaii* sp. nov. — 2, Median lobe in lateral view; 3, ditto, apical part in dorsal view; 4, tegmen in lateral view; 5, paramere in ventral view.

strongly and acuminately toothed apico-externally.

Pronotum 1.45 times as wide as long; sides strongly expanded throughout, provided with remarkable lateral spines which are strongly pointed laterad though obtuse at the extremities; disc distinctly raised in a circular shape, divided by a median groove, densely and finely punctured except for smooth areas before and behind the swelling. Prosternum swollen and expanded laterad, glabrous and coarsely punctured. Scutellum distinctly longer than wide, gently narrowed to apex.

Elytra about 2.4 times as long as the humeral width, gently narrowed to apex; disc minutely punctate, each elytron provided with two weak costae, of which the median one reaches just before apex, and the other lying between the median costa and suture disappears in apical third.

Legs long and thick; hind femur swollen in apical half, hind tibia remarkably dilated apicad.

Male genitalia rather stout. Median lobe long; median struts about 1/3 the whole length of median lobe; ventral plate distinctly longer than dorsal plate (1 : 1.4), with a spearhead-shaped apical part; ventral plate prolonged apicad, forming a narrow tongue-shape. Paramere rather short and narrow for a member of the genus, parallel-sided, with rounded apex.

Body length: 43.5 mm.

Type specimen. Holotype ♂, South of Dalat, Dalat Highlands (ca. 1,200 m alt.), Lam Dong Prov., S. Vietnam, 22–IV–1998, H. KARUBE leg.

Type depositary. The holotype is deposited in the Kanagawa Prefectural Mu-

seum of Natural History, Odawara.

Distribution. Southern Vietnam.

Notes. This new species is closely related to *Schmidtiana violaceothoracica* described from central Laos, but differs from the latter in the following points: 1) pronotum provided with strong spines at the sides, 2) body robust and broad, 3) legs long and thick, 4) elytra yellowish brown in basal halves, 5) median lobe of male genitalia with a prolonged apical part, and 6) paramere broader and longer.

The single male specimen examined was collected on flowers in the afternoon together with some small callichromine species. I caught the *Schmidtiana* when I was beating the flowers by a long rod for collecting longicorn beetles.

In our present knowledge of the Vietnamese fauna, the two relative species, *S. shinkaii* sp. nov. and *S. violaceothoracica*, seem to be isolated to the Dalat Highlands in the southern part of the country and to Mt. Tam Dao in the northern part, respectively. It is of considerable interest that certain *Schmidtiana* species could be found by future surveys from the intervening areas between the two localities.

要 約

菊部 治紀：南ベトナムから発見された *Schmidtiana* 属の1新種。—— これまで甲虫類の調査がほとんど行われていなかった南ベトナムにおいて、1998年に著者によって得られた *Schmidtiana* 属の新種を命名記載した。この種は、ダラット高原の花上で得られたもので、ラオスから記載された *S. violaceothoracica* に近縁であるが、上翅斑紋、前胸側縁突起の形状、太い体や肢、雄交尾器の形態などによって容易に区別できる。

References

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