

A New Species of the Genus *Sparedrus* DEJEAN (Coleoptera, Oedemeridae) from Southern Vietnam

Hideo AKIYAMA¹⁾, Tatsuya NIISATO²⁾ and Vu Van LIEN³⁾

¹⁾Mutsuura-minami 1–26–28, Kanazawa-ku, Yokohama, 236–0038 Japan

²⁾Bioindicator Co., Ltd., Nikkô-Kagurazaka Building, Iwato-chô 18, Shinjuku, Tokyo, 162–0832 Japan

³⁾Vietnam National Museum of Nature, VAST, 18 Hoang Quoc Viet, Cau Giay, Ha Noi, Vietnam

Abstract A new oedemerid species, *Sparedrus kurosai* sp. nov., is described from southern Vietnam. It is similar in general appearance to *Sparedrus tryznai* ŠVIHLA from India, *S. kolibaci* ŠVIHLA from India and Sri Lanka, but distinguished from the latter by features of the antennae and male genitalia.

Sparedrus DEJEAN, 1821 is a peculiar oedemerid genus in having a philine-like habitus (the genus *Philus* of the Philidae), and is characterized by the following features: eyes large and strongly protruding, very deeply emarginate on anterior margin; antennae filiform or serrate, exceeding middle to apices of elytra, with antennal insertions located on emarginations of eyes; abdominal tergite 7 rounded or shallowly emarginate at apex; abdominal sternite 7 emarginate at apex; male genitalia short, with median lobe usually armed with subapical teeth, tegmen more or less shorter than median lobe (ŠVIHLA, 2006 b, 2007). Forty-four species of the genus have so far been recorded from the temperate to tropical zones of the world, of which five are known from the Nearctic and Neotropical Regions (U.S.A., Mexico, Guatemala, and Costa Rica) (SCHENKLING, 1915; ARNETT, 1951), while 39 from the Palearctic and Oriental Regions (southern to southeastern Europe, Iran, Uzbekistan, Kazakhstan, Tajikistan, Kyrgyzstan, Afghanistan, Pakistan, Nepal, India, Sri Lanka, Myanmar, Thailand, Vietnam, Cambodia, China, and Taiwan) (VÁZQUEZ, 2002; ŠVIHLA, 2006 a, 2006 b, 2007, 2008).

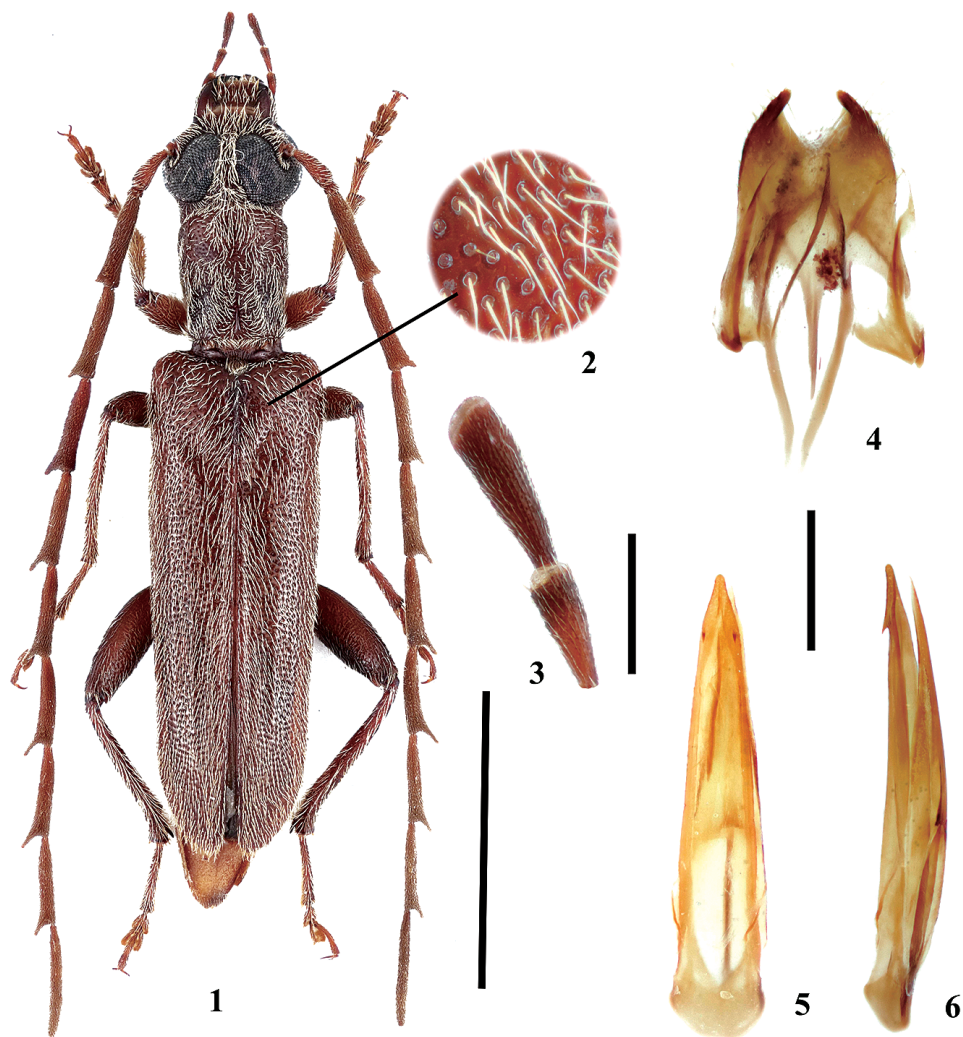
We recently had an opportunity to examine a peculiar species of the genus *Sparedrus* collected from southern Vietnam. At glance, it resembles *Sparedrus tryznai* ŠVIHLA from India and *S. kolibaci* ŠVIHLA from India and Sri Lanka, but shows unique features particularly in the antennae and male genitalia. A careful examination revealed that the *Sparedrus* in question was evidently new to science and we describe it as a new species in the following paragraphs with illustrations of taxonomically important features.

This paper was written as a memorial to the late Dr. Kazuyoshi KUROSA who passed away at the age of 97 on 18 January 2019.

Sparedrus kurosai AKIYAMA et NIISATO, sp. nov.

(Figs. 1–6)

Male. Body chestnut brown throughout except for black apices of mandibles and pitchy brown eyes. Head including eyes 1.26 time as wide as apical width of pronotum, finely punctate and densely clothed with decumbent yellowish white hairs; last segments of maxillary palpi long, securiform, 8.00 times as long as basal width, minutely pubescent (Fig. 3); clypeus almost flat, slightly arcuate on anterior margin, sparsely clothed with long decumbent hairs; labrum transverse trapezoidal; antennal insertions on emarginations of eyes, distinctly obliquely raised near frontal sides; eyes large and strongly protruding, with anterior margin deeply emarginate in about 2/3 length of eyes, interocular distance extremely narrow and about 1/11 width of head. Antennae long, about 1.20 times as long as body,



Figs. 1–6. *Sparedrus kurosai* sp. nov., holotype ♂, from Binh Thuân Province, Vietnam. — 1, Dorsal habitus; 2, structure of elytra; 3, apical two segments of maxillary palpus; 4, abdominal sternite 8; 5, median lobe and tegmen, dorsal view; 6, ditto, lateral view. Scale: 1.00 mm for Fig. 1; 0.25 mm for Figs. 3–6; no scale for Fig. 2.

finely clothed with yellowish white pubescence; 1st segment moderately clavate; 2nd shorter than wide; 3rd cylindrical, with a weak dent at outer side of apex; 4th to 10th slightly flattened, somewhat conically spinose at each outer side of apices, with apical spines in 6th to 9th distinctly longer than those of 4th, 5th and 10th; terminal segment simply arcuate; relative lengths of segments from base to apex as follows: 1.3 : 0.3 : 2.5 : 2.5 : 2.4 : 2.3 : 2.3 : 2.2 : 2.2 : 2.3 : 3.1. Pronotum cylindrical, slightly widened anteriorly, 1.22 times as long as basal width, with anterior and basal margins slightly arcuate; surface finely irregularly punctate, densely clothed with recumbent yellowish white hairs. Scutellum subtriangular, clothed with long recumbent yellowish white hairs. Elytra 2.95 times as long as width near middle, almost parallel-sided, weakly narrowed posteriad, with apices conjointly evenly rounded

when closed; surface rough and irregularly punctate, densely clothed with decumbent yellowish white hairs (Fig. 2). Abdominal tergite 7 right triangular, with a shallow subtriangular emargination at middle of apical margin, distinctly longer than wide, exceeding abdominal sternite 7 in about apical 1/3. Abdominal sternite 7 triangular, widely roundly emarginate on middle of apical margin. Abdominal sternite 8 provided with an arcuate projection on each side of apical margin (Fig. 4). Legs long; hind femora slightly thickened; claws simple. Genitalia relatively short; median lobe gradually narrowed in apical half, bluntly pointed apically, provided with a pair of small sharp teeth on apical 1/8 of ventral side, the teeth weakly arcuate in lateral view; tegmen slightly shorter than median lobe, gently arcuate in lateral view; paramere slightly narrowed in a sinuate line to apical 1/3, thin and prolonged at each tip (Figs. 5 & 6).

F e m a l e. Unknown.

Length: 11.50 mm.

Type specimen. Holotype: ♂, Dong Tien, Binh Thuân Province, Vietnam, V.2018. The holotype is preserved in the Vietnam National Museum of Nature, Ha Noi, Vietnam.

Etymology. The specific name is given in dedication to the late Dr. Kazuyoshi KUROSA.

Distribution. Southern Vietnam (Binh Thuân Province).

Notes. This new species is similar in general appearance to *Sparedrus tryznai* ŠVIHLA from India, but easily distinguished from the latter by the following points: body darker; apical spines in 4th to 10th antennal segments subconical, those on 6th to 9th longer than in other segments; and median lobe slightly widened to apex which is bluntly pointed. It differs also from *Sparedrus kolibaci* ŠVIHLA from India and Sri Lanka in the following points: apical spines on 4th to 10th antennal segments longer than those of *S. kolibaci* and form subconical in shape; and median lobe armed with a pair of ventral teeth.

Although three species of the genus *Sparedrus* have so far been known from northern Vietnam, the present new species is the first representative for the genus from the southern area of Vietnam.

Acknowledgements

The late Dr. Kazuyoshi KUROSA had guided and supported to the coleopterological study by AKIYAMA and NIISATO for many years since their undergraduate time and the late Dr. Vladimir ŠVIHLA had instructed AKIYAMA in the taxonomy of Oedemeridae. We would like to mention their names here and express our deep gratitude. This work was partly supported by the Vietnam National Museum of Nature, Ha Noi and the Vietnam Academy of Science and Technology, Ha Noi.

要 約

秋山秀雄・新里達也・Vu Van LIEN：南ベトナム産 *Sparedrus* 属 (鞘翅目カミキリモドキ科) の 1 新種。——ベトナム南部のビントゥアン省より得られた標本に基づき、*Sparedrus kurosai* sp. nov. を記載した。この種は *Sparedrus tryznai* ŠVIHLA および *S. kolibaci* ŠVIHLA に似るが、触角と雄交尾器の形態の違いにより容易に区別することができる。44 種が既知の *Sparedrus* 属は、これまでベトナムでは北部から 3 種が知られていたが、本種は南部から初めての記録となる。

References

- ARNETT, R., H., 1951. A revision of the Nearctic Oedemeridae (Coleoptera). *American Midland Naturalist, Notre Dame*, **45**: 257–391.
- SCHENKLING, S., 1915. Oedemeridae. In JUNK, W., & S. SCHENKLING (eds.), *Coleopterorum Catalogus*, Pars 65. 82 pp. W. Junk, Berlin.
- ŠVIHLA, V., 2006 a. New species of the genus *Sparedrus* (Coleoptera: Oedemeridae) from Bulgaria. *Acta Entomologica Musei Nationalis Pragae*, **46**: 123–125.
- ŠVIHLA, V., 2006 b. A revision of the genus *Sparedrus* (Coleoptera: Oedemeridae) from central part of the Palearctic Region and from western part of the Oriental Region. *Folia Heyrovskyana, Prague, Series A*, **14**: 1–36.
- ŠVIHLA, V., 2007. Preliminary revision of the genus *Sparedrus* (Coleoptera: Oedemeridae) from eastern and southeastern Asia. *Acta Entomologica Musei Nationalis Pragae*, **47**: 153–168.
- ŠVIHLA, V., 2008. Family Oedemeridae LATREILLE, 1810. Pp. 45 & 353–369. In LÖBL, I., & A. SMETANA (eds.), *Catalogue of Palearctic Coleoptera*, **5**. Tenebrionoidea. 670 pp. Apollo Books, Stenstrup.
- VÁZQUEZ, X. A., 2002. *European Fauna of Oedemeridae: Coleoptera*. 179 pp. Argania edition, Barcelona.

Manuscript received 20 March 2019;
revised and accepted 10 May 2019.