



International Journal of Fauna and Biological Studies

Available online at www.faunajournal.com

I
J
F
B
S

International
Journal of
Fauna And
Biological
Studies

E-ISSN 2347-2677

P-ISSN 2394-0522

Impact Factor (RJIF): 5.69

<https://www.faunajournal.com>

IJFBS 2025; 12(5): 135-137

Received: 26-08-2025

Accepted: 29-09-2025

Xin-Qian Liang

Co-Innovation Center for Sustainable Forestry in Southern China, College of Forestry and Grassland, Nanjing Forestry University, Long Pan Road, Nanjing, Jiangsu 210037, China.

Cui-Qing Gao

Co-Innovation Center for Sustainable Forestry in Southern China, College of Forestry and Grassland, Nanjing Forestry University, Long Pan Road, Nanjing, Jiangsu 210037, China.

Gui-Qiang Huang

School of Biological Science and Technology, Liupanshui Normal University, Liupanshui 553004, Guizhou, China.

Corresponding Author:

Gui-Qiang Huang

School of Biological Science and Technology, Liupanshui Normal University, Liupanshui 553004, Guizhou, China.

First record of *Paraleprodera laosensis* Breuning, 1965 (Coleoptera, Cerambycidae, Lamiinae, Monochamini) from China

Xin-Qian Liang, Cui-Qing Gao and Gui-Qiang Huang

DOI: <https://doi.org/10.22271/23940522.2025.v12.i5b.1140>

Abstract

Paraleprodera laosensis Breuning, 1965 is recorded from China (Yunnan) for the first time. Hind wing and terminalia of male are described for the first time

Keywords : New faunistic records, hind wing, male terminalia, China

Introduction

Breuning firstly described *Paraleprodera laosensis* from Laos ^[1]. Presently, *P. laosensis* is only recorded from Laos.

In this paper, *P. laosensis* is newly recorded from China (Yunnan). The description of hind wing and terminalia of male are presented for the first time.

Material and methods

The specimens examined are deposited in BPBM (Bernice Pauahi Bishop Museum, Honolulu, Hawaii, USA) and LPSNU (School of Biological Science and Technology, Liupanshui Normal University, Liupanshui, Guizhou, China).

The methods of taking figures 2–6 followed Huang *et al.* ^[2], figures 7–13 were taken with a stereomicroscope (Olympus SZX 16) plus a camera (Canon EOS 5DS R). The terminology of hind wings vein followed Švácha and Lawrence ^[3]. The terminology of male terminalia followed Šlipiński and Escalona ^[4]. All photographs and figures were produced using Photoshop CS5 software.

Taxonomy

Paraleprodera laosensis Breuning, 1965 Figs 1–13

Paraleprodera laosensis Breuning, 1965 ^[1]: 31 (type locality: “région de montagne de Ban Na, village de Hin Tang, région du Phou Bia, Laos”), fig (holotype); Rondon and Breuning^[5]: 436 (catalogue), fig. 27g (holotype, male).

Supplementary description of male

Hind wing (Fig. 6): apexes of AP₃ vein, AA₄ vein, AA₃ vein, CuA₂ vein, MS vein distant from margin, apexes of MP₄ vein, MP₃ vein, AV vein closed to margin. AA₃₊₄ vein longer than Cu vein, AA₄ vein slightly shorter than AA₃ vein, Cu vein connected with AA₃ vein at base of AA₃ vein. CuA₂ vein distinctly shorter than MP₄ vein, MP₄ vein distinctly longer than MP₃ vein, MP₃ vein longer distinctly longer than MP₃₊₄ vein. The r₄ vein with a short spur near the right side of the middle, and r₄ vein connected with RP vein near base of RP vein.

Terminalia (Figs 7–13): the tergite VIII (Fig. 7) slightly wider than long, gradually constricted from basal 1/3 to apex, sub-truncated apically; disc sparsely covered with long and short dark brown hairs from apical 1/3 to apex, sides of base to apical 1/3 with sparser long and short brown hairs. The sternite VIII (Fig. 8) depressed apically, sparsely covered with short brown hairs and several long dark brown hairs from apical 1/2 to apex, sides of base to apical 1/2 sparsely with short brown hairs; spiculum relictum longer than sternite VIII. Stem of spiculum gastrale nearly 3.0 times as long as a branch (the long one) of spiculum gastrale (Fig. 9). Apexes of both parameres rounded and closed together, both parameres sparsely covered with

short and long dark brown hairs from basal 1/3 to apex (Figs 10–11); phallobase (Fig. 10) expanded near apical 1/3, apex of both tegminal struts separated from each other and rounded. Ventral plate of penis slightly longer than dorsal plate, and rounded at apex, dorsal plate rounded at apex, dorsal struts nearly as long as ventral plate, apices of dorsal struts sub-truncated (Figs 12–13).

Type material examined

Holotype, ♂ (BPBM), région de montagne de Ban Na, village de Hin Tang, région du Phou Bia, Laos, 4 February 1965, J. A. Rondon leg. (Data Cited from Breuning^[1], Tavakilian and Chevillotte^[6]); examined from one photograph (Fig. 1).

Materials examined

1♂ (LPSNU), Ailao Mountains, Xinping Yi and Dai Autonomous County, Yuxi City, Yunnan Province, China, alt. 2000 m, 10.VIII.2015, Fa-Lei Wang leg.

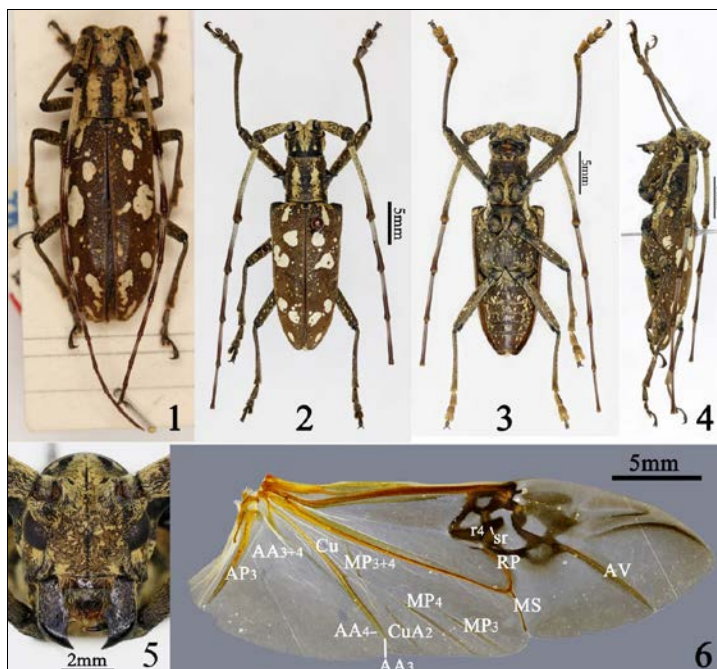


Fig 1–6: *Paraleprodera laosensis*. 1. holotype, male (photograph taken by Junsuke Yamasako and Nobuo Ohbayashi); 2–6. a male from Yunnan, China: 2. habitus, dorsal view; 3. habitus, ventral view; 4. habitus, lateral view; 5. head, frontal view; 6. right hind wing, dorsal view (A: anal, AP: anal posterior vein, AV: veins in apical wing region, Cu: cubital, MP: medial posterior, MS: medial spur, r: radial, RP: radius posterior vein, sr: spur on crossvein r4).

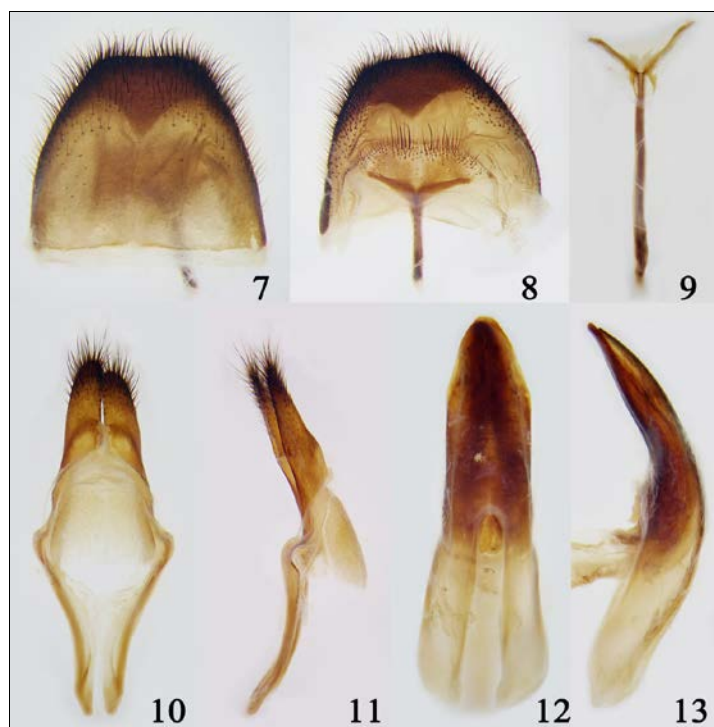


Fig 7–13: Male terminalia of *Paraleprodera laosensis* from Yunnan, China. 7. tergite VIII, dorsal view; 8. sternite VIII, ventral view; 9. spiculum gastrale, dorsal view; 10. tegmen, dorsal view; 11. tegmen, lateral view; 12. penis, dorsal view; 13. penis, lateral view. Not to scale

Distribution

China (Yunnan), Laos (Phou Bia).

Acknowledgments

We sincerely appreciate Fa-Lei Wang (Chongqing, China) for providing the specimens of *Paraleprodera laosensis* Breuning, 1965, Junsuke Yamasako (Ehime University, Tarumi, Matsuyama, Japan) and Nobuo Ohbayashi (Miura City, Japan) for providing the holotype photograph of *P. laosensis*.

This research was supported by the Fund Project of the Education Department of Guizhou Province (Qian Education Skill [2022] 054#, Qian Education Skill [2022] 091#), Guizhou Provincial Science and Technology Foundation (Qian Science combination Foundation-ZK [2022] general 527#).

References

1. Breuning S. Contribution à la connaissance des Lamiens du Laos (Coll. Céramb.). 14ème partie. Bulletin de la Société Royale des Sciences Naturelles du Laos. 1965;15:21–46.
2. Huang GQ, Yan K, Li S. Description of *Pseudoechthistatus rugosus* n. sp. from Yunnan, China (Coleoptera: Cerambycidae: Lamiinae: Lamiini). Zootaxa. 2020;4747(3):593–600.
3. Švácha P, Lawrence JF. Cerambycidae Latreille, 1802. In: Leschen RAB, Beutel RG, editors. *Handbook of Zoology, Coleoptera, Beetles*. Vol. 3. Morphology and Systematics (Phytophaga). Berlin: Walter de Gruyter; 2014. p.77–177.
4. Ślipiński A, Escalona HE. *Australian Longhorn Beetles (Coleoptera: Cerambycidae)*. Vol. 1. Introduction and Subfamily Lamiinae. Canberra: ABRS & CSIRO Publishing; 2013. p.1–504.
5. Rondon JA, Breuning S. Lamiines du Laos. Pacific Insects Monograph. 1970;24:315–571.
6. Tavakilian G, Chevillotte H. TITAN: International database on worldwide Cerambycidae or longhorn beetles [Internet]. 2025 [cited 2025 Oct 25]. Available from: <http://titan.gbif.fr/index.html>