



## 【Research report】

### 台灣產多星天牛族(天牛科：粗天牛亞科)之新種【研究報告】

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Received: Accepted: 1992/04/30 Available online: 1992/06/01

## Abstract

### 摘要

根據在台灣南部所採集之一雌、一雄標本，描述多星天牛族新種 *Thermistis taiwanensis*。*Thermistis* 屬天牛之分佈於台灣為新記錄，該屬模式種 *T. croceocincta* (Saunders) 分佈於阿薩姆、泰國、北越、廣東地區。*T. taiwanensis* 由於觸角粗，觸角節末端肥大及先端部具白色微毛，前胸側緣之黃色紋呈縱條，翅端部之黃色紋不延伸到翅末等特徵與 *T. croceocincta* 區別。

### Key words:

**關鍵詞:** 新種、多星天牛族、天牛、*Thermistis taiwanensis*。

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# A New Species of Saperdine Beetle from Taiwan (Coleoptera: Cerambycidae)

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## ABSTRACT

*Thermistis taiwanensis* sp. nov. is described based on specimens collected from southern Taiwan. This is also the first record of *Thermistis* sp. from Taiwan.

**Key words:** New speices, cerambycid, saperdine beetle, *Thermistis taiwanensis*.

## 臺灣產多星天牛族(天牛科：粗天牛亞科)之新種

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## 摘 要

根據在臺灣南部所採集之一雌、一雄標本，描述多星天牛族新種 *Thermistis taiwanensis*。 *Thermistis* 屬天牛之分佈於臺灣為新記錄，該屬模式種 *T. croceocincta* (Saunders) 分佈於阿薩姆、泰國、北越、廣東地區。 *T. taiwanensis* 由於觸角粗，觸角

節末端肥大及先端部具白色微毛，前胸側緣之黃色紋呈縱條，翅端部之黃色紋不延伸到翅末等特徵與 *T. croceocincta* 區別。

**關鍵詞：**新種、多星天牛族、天牛、*Thermistis taiwanensis*。

## Introduction

A new species of Cerambycid beetle, belonging to Subfamily Lamiinae: Tribe Saperdini: Genus *Thermistis*, is described based on specimens collected from southern Taiwan. This is also the first record of a species belonging to Genus *Thermistis* from Taiwan.

***Thermistis taiwanensis* sp. nov.** (臺灣黃帶天牛) (Fig. 1. 1-2).

Body black, head with a quadrate yellow marking on frons; frons plane, longer than width, head almost impunctate at temples, but sparse on vertex, with one median longitudinal furrow from vertex to occiput. Antennae entirely black and robust, in male over elytral apices at 9th joints, in female scarce arrives at apices or is a little shorter than body length. Antennae of 3rd to 6th joints dilated at apices, but not so apparent at apices of the 7th; furnished with short dense black hairs from 1st to 8th joints. Apices of 8th and the succeeding joints covered with dense white pubescence. Prothorax rugosely punctured, with one dull tubercles at the central part of each lateral side. Pronotum with one longitudinal tubercles on center and with a pair of weak round tubercles on both sides; decorated with a pair of yellow pubescent, laterally with complete longitudinal vittae. Prosternum covered with black pubescence on central portion of disc.

Scutellum broad, semicircular, weakly truncate at apex covered with black pubescence on central portion of disc.

Elytra about 4.3 times as long as basal width, narrowed from base, weakly oblique and truncate at apices, rounded at sutural and marginal angles; decorated with two yellow pubescent broad bands. The basal one broad, undulate at basal and apical margins, narrower than the following black band. Median one narrower than basal band, unapparently oblique, starting from margins and adjoining at suture, forming V-shaped mark. At apical center with one small quadrate mark which isolate from suture, margins and apices.

Pro-, meso- and metasternum and abdomen except abdominal apex entirely covered with yellow pubescence. Legs black, covered with black pubescence, except trochanters and femora which almost furnished with yellow pubescence.

Length ♂ 23 mm, ♀ 24-27 mm

Breadth ♂ 7.5 mm, ♀ 8.5-10 mm

### Type-series:

**Holotype:** ♂ Mt. Chingta-shan (京大山), Kaohsiung County, Taiwan. 6-V-1991. Masamichi Yagi leg. (in M. Yagi's collection)

**Paratype:** ♀ Tengchih (藤枝), Kaohsiung County, Taiwan 27-V-1990, Shing-chi Huang leg. (in Muh-sheng Museum of Entomology collection)

In addition, one specimen with legs and antennae severely broken and without collection data, while still recognizable as this species, was found at Taitung by the second author in 1972.

Present new species is closely allied to *Thermistis croceocincta* (Saunders) re-

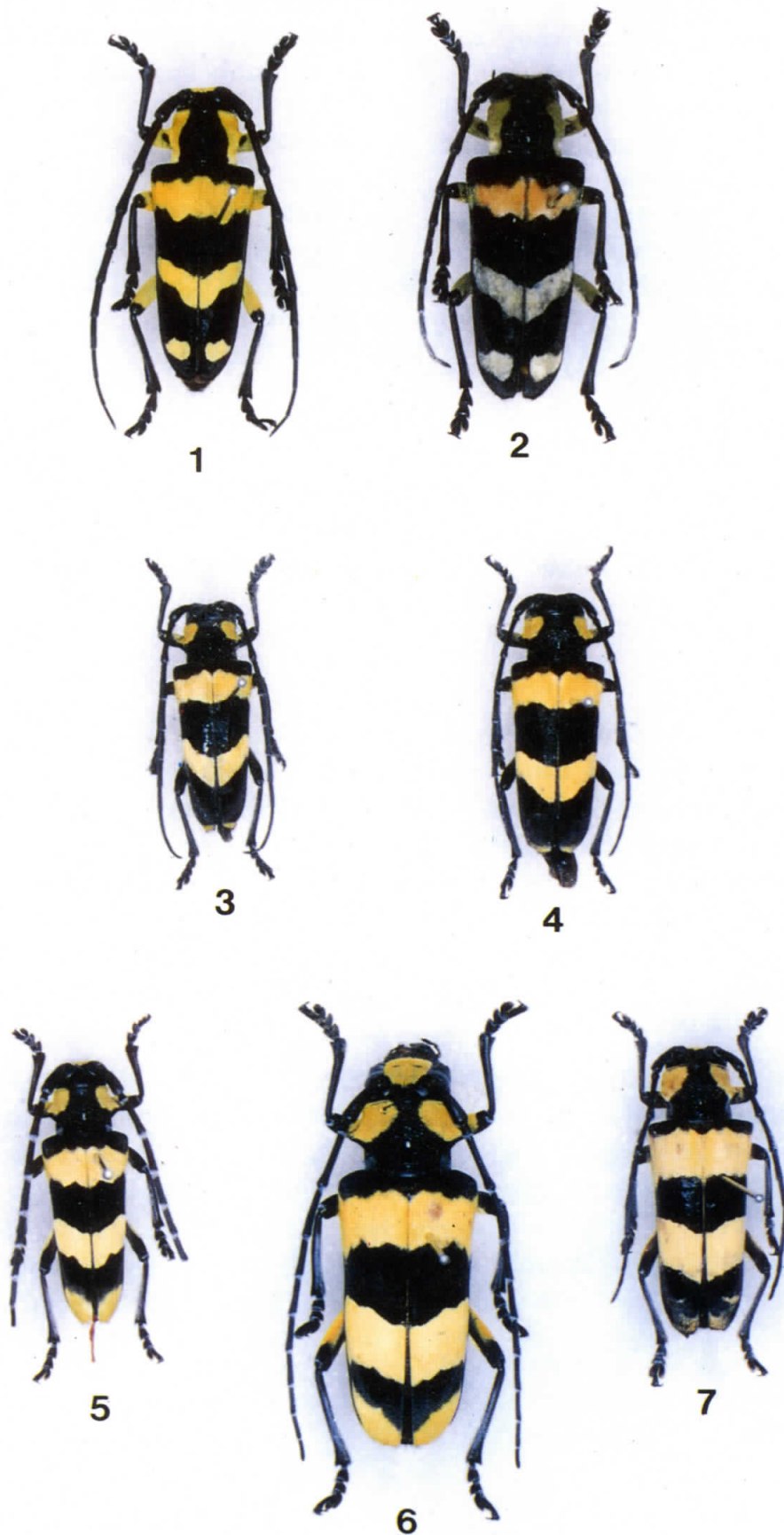


Fig. 1 1. *Thermistis taiwanensis* sp. nov. Holotype ♂; 2. *Thermistis taiwanensis* sp. nov. Holotype ♀; 3. *Thermistis croceocincta* Saunders ♂ (from Assam); 4. *Thermistis croceocincta* Saunders ♀ (from Assam); 5. *Thermistis croceocincta* Saunders ♂ (from Guantong); 6. *Thermistis croceocincta apicalis* Pic ♂ (from North Viet Nam); 7. *Thermistis croceocincta apicalis* Pic ♀ (from North Thailand).

corded from Assam, Guangtong etc. It is, however, easily distinguished from the latter by the following characteristics:

Occiput with one median longitudinal furrow, antennae rather robust, dilated at apices of 3rd to 7th joints, and 8th to 11th joints with white pubescence. Prothorax with a pair of longitudinal yellow pubescent vittae on sides; elytral apices round and apical elytral mark not reach to apices.

### **Acknowledgment**

The authors wish to express their deep gratitude to Dr. Masao Hayashi for his kindest guidance and assistance. They

are also obliged to messers Shing-Chi Huang and Masamichi Yagi for the loan of valuable specimens.

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- Received for publication March 28, 1992; revised manuscript accepted April 30, 1992.*