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## One new species in the cockroach genus *Jacobsonina* Hebard 1929 (Blattodea, Ectobiidae, Blattellinae) from Mainland China

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### Abstract

One new species of *Jacobsonina* Hebard from China is described and illustrated: *Jacobsonina erebis* sp. nov.. A key to all known species in this genus, except for *J. lugubris* (Brunner von Wattenwyl, 1893), based on males, is provided.

**Key words:** Insecta, Dictyoptera, taxonomy, new taxa

### Introduction

The blattellid genus *Jacobsonina* is found in the Oriental Realm. *Jacobsonina* was erected by Hebard (1929) for the species *J. simplex* Hebard from Indonesia. The most obvious characteristic of this genus is that adult males lack styles. It can be distinguished from the other genus without styles, *Neoloboptera* Princis, 1953, by the character of its front femur Type B3; *Neoloboptera* has Type A3. Wang, Jiang & Che (2009) described two new species (*J. arca* Wang, Jiang & Che collected from Hubei and Guangxi, and *J. tortuosa* Wang, Jiang & Che collected from Yunnan) from China. This brought the total species in this genus to thirteen, with four from China. In our study, a key to all known *Jacobsonina* species except for *J. lugubris* (Brunner von Wattenwyl, 1893) is provided along with the description of one new species collected from Motuo in the Tibet Autonomous Region, China.

### Material and methods

All examined specimens including the type specimens are deposited in the medical vector collections of Zhongshan Entry-Exit Inspection and Quarantine Bureau, Zhongshan City, Guangdong, China. Specimens were collected with a sweep net at night with the assistance of a headlight. For preparing the male genitalia, specimens were softened in a moist chamber for one day. The last few abdominal segments were dissected and deposited in warm 10% KOH solution for half an hour, rinsed in distilled water and stored in 75% alcohol for later examination. Genitalia were dissected with a dissecting needle and embedded in glycerin jelly for examination and illustration. Photographs of the specimens were taken with a Canon 60D plus a Canon EF 100mm f/2.8L IS USM Macro lens and composited using Helicon Focus software. All drawings were made under a Zeiss Discovery V12 stereomicroscope using Canon PowerShot G1X digital camera and drawn by Adobe Illustrator CS6 and Adobe Photoshop CS6. Terminology used in this paper mainly follows McKittrick (1964) and Roth (2003).

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