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## Range extension and sexual dimorphism in *Megabatrus caviceps* Löbl (Coleoptera, Staphylinidae, Pselaphinae)

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### Abstract

*Megabatrus caviceps* Löbl, originally described from Kuantun, Fou-kien (= Guadun, Fujian), eastern China, is recorded from the Nanling Nature Reserve, Guangdong, southern China, ca. 550 km SW from the type locality. The female of this species is discovered and described for the first time. For comparative purposes, male diagnostic characters of *M. caviceps* are figured and supplementary description is provided. Some new data on this species' biology are given.

**Key words:** *Megabatrus caviceps*, sexual dimorphism, female description, new provincial record, biology, China

### Introduction

Ivan Löbl (1979) described two monotypic genera, *Siteromina* Löbl (type species: *S. dayak* Löbl) and *Megabatrus* Löbl (type species: *M. caviceps* Löbl), from the western Borneo and eastern China, respectively. The latter is among one of the largest Batrisitae in China, and the male of *M. caviceps* has a modified head, while the female has not been known so far.

During April and May of 2015, our team surveyed the staphylinid fauna of the Nanling National Reserve, and obtained a small series of *Megabatrus caviceps*. The collection site is located near the northern border of Guangdong, about 550 km SW from Guadun, Fujian, the type locality of the species. Five female specimens were collected in addition to males. Compared to the males, females have a simple head capsule and a distinctly different form of the abdomen. These observations are documented here. Field observations suggest that adults of *M. caviceps* are probably active predators in habitats associated with the rotten wood.

### Material and methods

Material treated in the present paper is housed in the Insect Collection of Shanghai Normal University, Shanghai, China (SNUC), and Muséum d'histoire naturelle de la Ville de Genève (MHNG).

The collecting data of the material are quoted verbatim. A slash is used to separate different labels. The following abbreviations are applied: AL—length of the abdomen along the midline; AnL—length of antenna; AW—maximum width of the abdomen; EL—length of the elytra along the sutural line; EW—maximum width of the elytra; HL—length of the head from the anterior clypeal margin to the occipital constriction; HW—width of the head across eyes; PL—length of the pronotum along the midline; PW—maximum width of the pronotum. Length of the body equals to HL + PL + EL + AL.