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A taxonomic study on the species of the genus *Ocellarnaca* (Orthoptera, Gryllacrididae, Gryllacridinae)

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Abstract

A taxonomic study of the genus *Ocellarnaca* Gorochov, 2004 was presented. Four new species were described: *O. omeica* sp. nov., *O. coomani* sp. nov., *O. xiai* sp. nov., *O. brevicauda* sp. nov.. A key to the species and the distributional data of *Ocellarnaca* were provided.

Key words: Gryllacrididae, Gryllacridinae, *Ocellarnaca*, new species

Introduction

The genus *Ocellarnaca* was proposed by Gorochov in 2004, with the type species *O. ocellata* Gorochov, 2004. Besides, the subspecies *O. wolffi angulata* Gorochov, 2004 was described and 5 species were transferred to this genus.

Bian *et al.* (2013) reviewed the *Ocellarnaca* of China, provided a key including 6 species and described 1 new species *O. conica* Bian *et al.*, 2013, 1 new recorded species *O. braueri* (Griffini, 1911) and 1 new combination *O. angulata* (Gorochov 2004). Bian *et al.* (2013) suggested that the subspecies *O. wolffi wolffi* (Krausze, 1906) and *O. wolffi angulata* Gorochov, 2004 should be treated as two distinct species, and *O. wolffi* which had been reported by Liu & Yin (2004) in China actually should be a subspecies of *O. angulata* (Gorochov 2004). Moreover, *O. fallax* (Liu, 1999) had been redescribed. We examined the holotype of *O. fallax* (Liu, 1999) and failed to find the taper-like process at the center of subgenital plate. In conclusion, we believed that *O. fallax* (Liu, 1999) they treated should be another species which we described as a new species, *O. xiai* Li *et al.* sp. nov.

Up to now, there were 13 species in *Ocellarnaca*, including 9 species recorded from China and 4 species occurred in Vietnam. In this paper, 4 new species of *Ocellarnaca* are identified and described under the name of *O. emeiensis* Li *et al.* sp. nov., *O. coomani* Li *et al.* sp. nov., *O. xiai* Li *et al.* sp. nov., and *O. brevicauda* Li *et al.* sp. nov. All type specimens are deposited in the Shanghai Entomology Museum, the Chinese Academy of Sciences.

Ocellarnaca Gorochov, 2004

Ocellarnaca Gorochov, 2004. *Entomological Review*, 84(8): 915; Bian *et al.*, 2013. *Journal of Orthoptera Research*, 22(1): 57.

Type species. *Ocellarnaca ocellata* Gorochov, 2004.

Generic diagnosis. Body of medium sized for the subfamily. Head large, with wide fastigium of vertex (rostrum), and with very large median ocellus (larger than, or as large as antennal sockets) and fine lateral ocelli. Tegmina and wings well-developed, but slightly shortened, not reaching apex of abdomen, with transparent or pale venations, M vein of tegmina united with R vein on base. Fore coxae with a spine, fore and mid tibiae with 5 pairs of spurs, mid tibia with an upper apical spur. Hind femur on lower side and hind tibia on upper side with 2 rows of

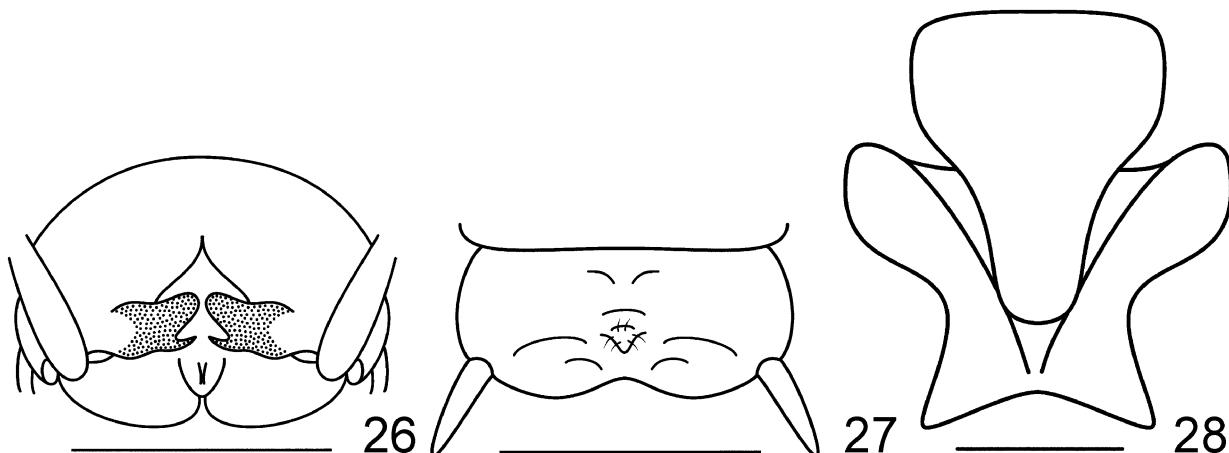


FIGURE 26–28. *Ocellarnaca braueri* (Griffini, 1911). 26. end of male abdomen, caudal view (after Gorochov, 2004); 27. subgenital plate of male, ventral view (after Gorochov, 2004); 28. 7th abdominal sternum and subgenital plate of female, ventral view; scale bars=2mm.

Material. 1♀ (China Agricultural University), Longzhou, Guangxi, China, 1980.VI.17, collected by Wu Ying-Sheng.

Distribution. China (Guangxi); Vietnam.

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