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The genus *Anelytra* (Orthoptera: Conocephalinae: Agraeciini: Liarina), with one new species from Hainan, China

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Abstract

The paper deals with two species, one is new, *Anelytra hainanensis* Shi sp. nov. We provide the description and figures of taxonomic characters of the new species and *Anelytra compressa* Shi & Qiu, 2009. The type material is deposited in the Museum of Hebei University.

Key words: *Anelytra*, Conocephalinae, new species, Hainan, China

The species of the genus *Anelytra* are distributed in the tropical and subtropical areas of Asia, five species of which are recorded from China (Gorochov, 1994; Ingrisch, 1998; Shi & Qiu, 2009; Li & Shi, 2011). One species was reported from Hainan, China, *Anelytra compressa* Shi & Qiu, 2009. The paper describes one new species, i.e. *Anelytra hainanensis* Shi sp. nov., and provides the morphological characters of the new species and *Anelytra compressa* Shi & Qiu, 2009. The type material is deposited in the Museum of Hebei University.

Anelytra hainanensis Shi sp. nov.

Figure 1

Description. Male. Body medium, slightly cylindrical. Head short and stout, conical. Fastigium verticis conical, robust and short, projecting forward, apex obtusely rounded. Frontal verticis inclined, subrugose, with numerous impressed spots. Eyes globular, protruding.

Pronotum cylindrical, anterior margin rounded, posterior margin comparatively straight, or slightly concave; the transversal sulci indistinct; lateral lobes longer than deep, humeral sinus comparatively distinct, shallow.

Procoxa with 1 spine; profemur with 2–3 spines on inner margin and 1–3 spines on outer margin of ventral surface; protibia with 7 spines on inner and outer margins of ventral surface separately; tibial tympanal organs narrow, rimiform. Mesofemur without spines on inner margin of ventral surface, wth 8 spines on outer margin of ventral surface; mesotibia with 7 spines on inner and outer margins of ventral surface separately. Postfemur without spines on inner margin, and with 8–9 spines on outer margin of ventral surface; apices of genicular lobes rounded; posttibia with 8–9 spines on inner margin, and 6–7 spines on outer margin of ventral surface; bearing two pairs of ventral apical spurs and one pair of dorsal apical spurs.

Tegmina short, surpassing posterior margin of pronotum, reaching middle area of first abdominal tergite, apices rounded. Hind wings absent.

Tenth abdominal tergite with basal area broad, apical area narrower, curved downwards, apex rounded, apical half with a middle longitudinal furrow, apical area fissus; the outer edges and apices concave. Cerci with base stout, narrowing, middle area curved inwards, U-shaped, apices rounded, invisible in dorsal view. Subgenital plate with basal area broad, near middle area narrow, and curved upwards, with a shallow longitudinal furrow, apex arc-shaped concave. Styli cylindrical, apices rounded on ventral surface of subapical area.

Coloration. Body light brown. Frons, inner margin of first segment of antenna and ventral margin of fastigium verticis black. Eyes light yellowish brown. Apices of femora and bases of tibiae dark brown, apices of spines on ventral surface of femora and tibiae black.

Specimens examined. Holotype: male, Ledong (Jianfengling), Hainan, China, 17 May 2007, collected by Yi-Bin Ba and Jun-Tong Lang. Other specimens: 1 female, Changjiang (Bawangling), Hainan, China, 8 June 2010; 1 male, Changjiang (Bawangling), Hainan, China, 12 June 2010; 1 male, Ledong (Jianfengling), Hainan, China, 5 June 2010, all collected by Rui-Lian Li and Ming Qiu, 1 female, Wuzhishan (Shuiman), Hainan, China, 16 May 2014; 1 female, Yinggezui, Baisha, Hainan, China, 23 May 2014; 1 female, Changjiang (Bawangling), Hainan, China, 28 May 2014, all collected by Jiao Jiao and Guang-Lin Xie.

Distribution. China (Hainan).

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