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Three new species of the genus *Conophyma* Zubovsky, 1898 (Orthoptera, Acridoidea, Catantopidae, Conophyminae) from Xinjiang, China

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Prof. Kailing Xia (1916–2013)

This paper is in memory of Professor Kailing Xia, who is our career mentor and an eminent entomologist, on the centenary anniversary of his birth.

Abstract

Three new species of the genus *Conophyma* Zubovsky, 1898 from Xinjiang, West China are described in this paper. The *Conophyma xiai* **sp. nov.** is similar to *C. olive* Huang, 2006, but differs from latter by: vertical diameter of eyes 1.7 times subocular furrow, minimum width of interspace of mesosternum 1.6 times length, hind tibia yellow and furculae smaller. The new species *Conophyma nigrifemora* **sp. nov.** is similar to *C. xiai* **sp. nov.**, but differs from latter by: vertex of head longer, apex narrower; posterior margin of pronotum straight; minimum width 1.6 times its length in interspace of mesosternum; posterior margin of epiproct with curve projection in the middle; epiphallus almost straight on the lower margin. The new species *Conophyma hejinensis* **sp. nov.** is similar to *C. rufitibia* Li & Ti, 1995, but differs from latter by: anterior and posterior margin of pronotum excised in the middle, minimum width of interspace of mesosternum 1.2 times length, hind tibia yellow and posterior margin of epiproct straight, with acute projection in the middle. Type specimens are deposited in the Natural Museum of Hebei University, Baoding, Hebei, China

Key words: Orthoptera, Catantopidae, *Conophyma*, new species, Xinjiang