



Cicadas (Insecta: Hemiptera: Cicadidae) of Mindanao, Philippines, with the description of a new genus and a new species

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Abstract

This paper provides the first faunal checklist for the family Cicadidae (Insecta: Hemiptera) from Mindanao, Philippines, comprising 17 species belonging to 13 genera. A new species, *Chremistica kyoungheae* **sp. nov.**, is described. *Platypleura elizabethae* Lee and *Nelcyndana tener* (Stål) are newly added to the cicada fauna of Mindanao. *Dokuma* Distant **syn. nov.** is treated as a junior synonym of *Oncotympana* Stål, which is redefined to include four species: *O. pallidiventris* Stål, *O. viridicincta* Stål, *O. nigristigma* (Walker) **comb. nov.**, and an undescribed *Oncotympana* sp., all from the Philippines. *Dokuma consobrina* Distant **syn. nov.** is synonymized with *O. viridicincta*. A new genus, *Sonata* **gen. nov.**, is described to include the following species previously placed in *Oncotympana*: *Sonata fuscata* (Distant), *Sonata maculaticollis* (De Motschulsky), *Sonata ella* (Lei & Chou), *Sonata expansa* (Walker), *Sonata mahoni* (Distant), *Sonata melanoptera* (Distant), *Sonata obnubila* (Distant), *Sonata stratoria* (Distant), and *Sonata virescens* (Distant) (nine species **comb. nov.**). The genus *Champaka* Distant **stat. rev.** is resurrected from junior synonymy with *Platylochia* Stål to include the following species previously placed in the *Platylochia spinosa* group: *Champaka spinosa* (Fabricius), *Champaka abdulla* (Distant), *Champaka viridimaculata* (Distant), *Champaka nigra* (Distant), *Champaka virescens* (Distant), *Champaka meyeri* (Distant), *Champaka wallacei* (Beuk), *Champaka celebensis* Distant, *Champaka aerata* (Distant), *Champaka constanti* (Lee), and *Champaka maxima* (Lee) (eleven species **comb. nov.**). The genus *Nelcyndana* Distant, 1906 is transferred to Cicadettini from Taphurini. A key to the species of *Oncotympana* and information on geographic distributions of the 17 Mindanao species are provided.

Key words: taxonomy, fauna, synonymization, new combination, key, *Chremistica kyoungheae*, *Oncotympana*, *Dokuma*, *Sonata*, *Champaka*

Introduction

This paper contributes to the knowledge of cicada diversity in Mindanao, the second largest island of the Philippines, providing its first faunal checklist. It is the third in a series of faunal studies on the cicadas of the major Philippine islands (Lee 2009c, d).

The first record of the cicadas of Mindanao was made by Banks (1910) followed by Distant (1916), Haupt (1924), Schmidt (1924), Endo & Hayashi (1979), Bregman (1985), Duffels (1991b), Beuk (1999), and Lee (2009b) resulting in 14 species of 11 genera of Cicadidae hitherto recorded from Mindanao.

With addition of a new species, described below, and two additional new records to the fauna, the cicada fauna of Mindanao now comprises 17 species belonging to 13 genera as listed below.

Material and methods

This list of species is based on the literature that specifically mentioned the fauna of Mindanao Island (excluding the literature that referred generically to the Philippines) and the specimens from the Institut royal