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Further records and descriptions of the plant bug subfamily Phylinae (Hemiptera: Heteroptera: Miridae) from Thailand

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Abstract

Eleven new species of the plant bug subfamily Phylinae are described: *Campylomma koraticola*, *C. nanna*, *C. pimai*, *C. salaciella*, *Cleotomiris levigatus*, *Cl. sakaeratensis*, *Cl. similissimus*, *Decomia anthophila*, *Malaysiamiris nigrescens*, *Rubroconeocoris anandros* and *Sejanus adustopaca*. In addition, *Campylomma chitwanensis*, which described originally from southeastern Nepal, is confirmed in Thailand and diagnosed, and the female is documented for the first time as well. Photographic images of live individuals are figured for most new species, and those for *C. chitwanensis* and *Decomia taksini* are presented for the first time. An annotated checklist of all currently known taxa including new distributional records, also from neighboring Cambodia, Laos and Myanmar, is provided. Some additional photographic images are also presented for little known taxa. The genus *Artchawakomius* Yasunaga of the tribe Hallodapini is proposed to place in Leucophoropterini. And furthermore, a Chinese species, *Rubroconeocoris lanceus* Li & Liu, is transferred to *Atractotomoidea* Yasunaga.

Key words: Heteroptera, Miridae, Phylinae, new species, new record, new combination, Thailand, taxonomy, checklist, suprageneric classification

Introduction

The Phylinae is the largest plant bug subfamily within the Miridae. In Thailand, 62 species have previously been subject of a series of recent works (Yasunaga, 2010, 2012, 2013; Yasunaga *et al.*, 2013a, b, 2014, 2015), subsequent to Schuh's comprehensive revision of the Phylinae of the Indo-Pacific regions, including the Indochina as well as Thailand (Schuh, 1984).

During our continuing efforts to clarify the Thai phylina fauna, more than eleven undescribed species were further confirmed. In addition, *Campylomma chitwanensis* Duwal, Yasunaga & Lee that was described on three males and has been known only from Nepal is reported as new to the Thai fauna; its female is described for the first time. As a result, the Phylinae now comprise 75 nominal species from Thailand.

Schuh & Menard (2013) proposed an updated suprageneric classification for the subfamily Phylinae, on the basis of broad molecular analyses. The present paper follows their system and provides an annotated checklist of all known Thai taxa for this subfamily, including new records from neighboring Cambodia, Laos and Myanmar. Photographic images of live individuals are figured for most new species, and those for *C. chitwanensis* and *Decomia taksini* Yasunaga are shown for the first time.

The genus *Artchawakomius* Yasunaga, which has been regarded as a member of the tribe Hallodapini, is proposed its placement in Leucophoropterini. Further, a species described from China, *Rubroconeocoris lanceus* Li & Liu, was found unequivocally to be a member of *Atractotomoidea* Yasunaga, to which it is herein transferred properly. The present work is a contribution from the Entomological Laboratory, Kyushu University, Fukuoka (Ser. 7, No. 16).