



***Kachinocoris brevipennis* n.gen., n.sp. in Cretaceous Burmese Amber (Hemiptera: Heteroptera: Aradidae)**

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Abstract

From an inclusion in Cretaceous Burmese amber a new genus of flat bugs, *Kachinocoris* n.gen., is described; its type species *K. brevipennis* n.sp. is illustrated.

Key words: Hemiptera, Heteroptera, Aradidae, cretaceous, Burmese amber, new genus, new species, Myanmar

Introduction

As already discussed and listed by Grimaldi et. al. (2002) and shown by Grimaldi & Engel (2008), the insect fauna preserved in Burmese amber is numerous and very diverse. Among them the suborder Hemiptera is represented by several families. However, only four genera including four species were described to date of the flat bug family Aradidae (Heiss & Grimaldi 2001; Grimaldi & Engel 2008; Heiss & Poinar 2012).

In the present paper a new genus and species, *Kachinocoris brevipennis* n.gen., n.sp., are described and illustrated. This taxon stands apart from the other species recorded so far from Burmese amber (*Archaearadus burmensis* Heiss & Grimaldi 2001; *Cretopiesma suukyiae* Grimaldi & Engel 2008 [transferred to Aradidae by Cassis & Schuh 2010], *Myanmezira longicornis* Heiss & Poinar 2012; *Microaradus anticus* Heiss & Poinar 2012) because of the shape of the clypeus and the structure of the antennae.

Material and methods

The specimen from this study is based is preserved in the collection of the author.

The photograph was taken through an Olympus SZX 10 binocular microscope with Olympus E 3 digital camera and processed with Helicon Focus 4.3 software and using Adobe Photoshop and Lightroom 2.3.

Measurements were taken with a micrometer eyepiece, 40 units = 1 mm. Abbreviations used: deltg = dorsal external laterotergite (connexivum), mtg = mediotergite.

Taxonomy

Family Aradidae Brullé 1836

***Kachinocoris* n.gen.**

Type species: *Kachinocoris brevipennis* n.sp.

Diagnosis. Differs from the abovementioned Aradidae species in Burmese amber by the anteriorly enlarged and rounded clypeus, the structure of antennae, and the short truncate corium.