

## Abstract

The infraorder Enicocephalomorpha represents the basalmost group of Heteroptera, the sister group of all remaining Heteroptera (= Euheteroptera) (ŠTYS 1989). The infraorder, whose unique phylogenetic position was recognized by most modern authors (ŠTYS & KERZHNER 1975), is currently divided into two families, Aenictopecheidae and Enicocephalidae.

Some new taxa are described (Results: **Parts A–H**) and special attention is paid to newly discovered or overlooked morphological characters of the group, some of them important for all the Heteroptera.

In **Part A** is described first member of worldwide distributed genus *Systemloderes* from the Oriental region, *S. loebli* Štys & Baňář, 2007 and the term **neopatella** is established for sclerites within the femoro-tibial intersegmental membrane. *Xenicocephalus josifovi* Štys & Baňář, 2008 is described in **Part B**, representing first known complete adult of this peculiar genus. **Unique type of raptorial foreleg** among all Enicocephalomorpha is described and illustrated and its function by predation is assumed. In **Part C** is described new genus *Phaenicocleus* Štys & Baňář, 2009 from northern Borneo, based on males of three species. **New diagnostic characters** in Enicocephalomorpha are used. *Phaenicocleus granulatus* Baňář & Štys, 2011 is described in **Part D**, based on the first known female of the genus and **autapomorphies** of the are stressed and discussed. A new **key to genera** of Enicocephalidae with forewing basal cell absent and closed discal cell present is provided. In **Part E** is *Oncylocotis inexpectatus* Štys, Baňář & Drescher 2010 is described and his association with very aggressive invasive yellow crazy ant, *Anoplolepis gracilipes* (Smith, 1857) is studied and described. **Myrmecophily** of Enicocephalomorpha is reviewed, list of species found in inquilines of *A. gracilipes* in Sabah is included. Some plesiomorphic anatomical features of the *O. inexpectatus* are discussed and illustrated. Taxonomy and nomenclature of *Enicocephalus flavicollis* Westwood, 1837 is solved in **Part F**, status of type series of this crucial species is published and **lectotype** and **paralectotype** are signed and described. In **Part G** new genus of Aenictopecheidae is described, **lack of cephalic neck** is described and discussed, new term **epimeroid** is established for so called ‘epimeral lobe’. Part H is unpublished revision of the genus *Megenicocephalus* Usinger, 1945, **unique type of foreleg**, as well as some apomorphies of the genus are described and group is newly upgraded to family status.