

**A Study of Korean Pyrgotidae (Diptera:  
Tephritoidea) I : Revision of Genus  
*Eupyrgota* and *Paradapsilia***

**Kim, Sam-Kyu and Ho-Yeon, Han**

Department of Life Science, Yonsei University

Korean species of the Genus *Eupyrgota* Coquillett and *Paradapsilia* Chen of the family Pyrgotidae (Diptera: Tephritoidea) are taxonomically revised. Members of Pyrgotidae are known as internal parasites of adult scarabaeoid beetles, but the host relationships of these genera are not known. Based on the Korean specimens either directly collected or borrowed from other universities and institution, adult external morphology, including genitalic structures of both sexes, is described and illustrated. As a result, we have recognized the following four species previously unknown from Korea: *Eupyrgota luteola* Coquillett, *E. rufosetosa* Chen, *E. n. sp.*, *Paradapsilia trinotata* Chen. In addition, we found that the previous Korean record of *E. fusca* (Hendel) was due to the misidentification of a new species of the Genus *Adapsilia*, which is to be published later. A cladistic analysis is conducted to infer their phylogenetic relationships.