

SYNOPSIS

Seven genera and 143 species of the subfamily Entedoninae are included in this volume; all taxa treated here are listed in Appendix A. The genera are diagnosed and described; tentative monophylies are given for each genus. Genus *Oradis* is here described as new, including two new species from Costa Rica. Genus *Pediobomyia* Girault, previously recorded only from Austral-Asia, is here reported for the first time from the Neotropical region, including two new species from Costa Rica. The concept of the genera *Astichomyia* Girault, *Emersonella* Girault, *Paracrias* Ashmead and *Pediobius* Walker is broadened due to the addition of numerous new species. The genera *Astichomyia*, *Emersonella* and *Paracrias* are suggested to have a predominant or exclusive Neotropical distribution. Genus *Pediobius* is found throughout the World, but the information presented here adds substantially to the knowledge of this group in the Neotropical Region. The genus *Microdonophagus* Schauff, previously recorded only from Panama, is reported from Colombia. It is so far not recorded from Costa Rica, but is expected to occur there. The species are diagnosed and described or redescribed, and information on distribution and hosts (if available) is provided. One hundred twentytwo (122) species, i.e. 86% of the species treated here, are described as new. Keys for the identification of the species are given for each genus. The key to the species of *Paracrias* includes all known species, i.e. also the Nearctic species. The prevailing and well-established genus name *Pediobius* Walker is here regarded as the valid name for this genus, and the older but unused name *Microterus* Spinola is regarded as a forgotten name (*nomen oblitum*). The species *Entedon antander* Walker is transferred from *Paracrias* to *Horismenus*, **comb.nov.**, and *Chrysocharis lividiceps* Ashmead is transferred from *Pediobius* to *Proacrias*, **comb.nov.** *Pleurotropis olethreutidis* Gahan is synonymized with *Pediobius facialis* (Girault), **syn.nov.**, and *Emersonella trimaculata* Azevedo & Silva is synonymized with *E. niveipes* Girault, **syn.nov.** The species *Pediobius puertoricensis* Schauff is here regarded as a doubtful member of that genus, but is not removed from *Pediobius*, pending on further studies. Lectotypes are designated for *Astichomyia laticapax* Girault, *Emersonella lemae* Girault and *Testudicida nigricoxae* De Santis.