



On the unassigned species of the subfamily Coelidiinae (Hemiptera: Cicadellidae)

M. W. NIELSON¹ & J.N. ZAHNISER²

¹Affiliate Faculty, Monte L. Bean Museum, Brigham Young University, Provo, UT 84602, USA. E-mail: mwnielz@comcast.netIllinois

²Natural History Survey, 1816 S. Oak St., Champaign, IL, 61820, USA. E-mail: zahniser@illinois.edu

Abstract

Five species treated *incertae sedis* and one overlooked species in Coelidiinae are each assigned to the following respective genus and tribe: *Jassus maldivensis* Distant to *Thagria* Melichar, **comb. nov.** (Thagriini); *Jassus atkinsoni* Distant to *Olidiana* McKamey, **comb. nov.** (Coelidini); *Coelidia costalis* Walker to *Paracarinolia* Nielson, **comb. nov.** (Teruliini); *Coelidia disintegrans* Walker to *Paracarinolia* Nielson, **comb. nov.** (Teruliini), *Bythoscopus guttatus* Walker to *Docalidia* Nielson, **comb. nov.** (Teruliini) and *Coelidia semiflava* Lethierry to *Pilosana* Nielson, **comb. nov.** (Youngolidiini). All of the species are redescribed with photos of the general habitus. The generic placement *Coelidia perineti* Evans, previously assigned to the genus *Limentinus* Distant (Coelidiini) and recognized as a junior synonym of *Limentinus aldabranus* Distant, is confirmed. Eight species in the subfamily remain problematical.

Key words: Leafhoppers, taxonomy, types, new combinations, descriptions

Introduction

Five problematical species (*incertae sedis*) in four genera surfaced during revisions of the leafhopper tribes Teruliini and Coelidiini (Nielson 1979, 1982). Type specimens (females) could not be accurately associated with existing male specimens that are required for genus and species placement. The type specimen of *Coelidia semiflava* Lethierry, overlooked in the revision of Coelidiinae, part V, was found recently in the Royal Museum for Central Africa collection in Tervuren, Belgium. The species is herein assigned to the genus *Pilosana*, tribe Youngolidiini, subfamily Coelidiinae.

In this paper, five species previously treated as *incertae sedis* also redescribed, photographed and reassigned to the appropriate genus and tribe. The following species and their current assigned tribe in the subfamily remain problematical: *Jassus egregius* Schumacher (Thagriini), *Jassus mindanoensis* Merino (Thagriini), *Jassus aubei* Signoret (Coelidiini), *Terulia pulchella* Spångberg (Teruliini), *Jassus signoreti* Spångberg (Teruliini), *Coelidia signatipennis* Linnavuori (Teruliini), *Thagria hongdoensis* Kwon & Lee (Thagriini) and *Jassus rutata* Distant (Thagriini). In these cases the type specimens are presumed lost, lack male specimens to associate with existing female holotypes, or lack confirmation of taxonomy of the species.

Materials

Type specimens of the following species were obtained on loan: *Jassus maldivensis* Distant, *Jassus atkinsoni* Distant, *Coelidia costalis* Walker, *Coelidia disintegrans* Walker and *Bythoscopus guttatus* Walker from the Natural History Museum, London, *Coelidia perineti* Evans from the Museum Nationale d'Histoire Naturelle, Paris and *Coelidia semiflava* Lethierry from the Royal Museum for Central Africa, Tervuren, Belgium. Identified material of numerous genera and species of Coelidiinae in the Department of Biology insect collection at Utah State University, Logan also were made available for comparative studies with the type specimens.