



Revision of *Coelana* Kramer, 1964 (Hemiptera, Cicadellidae, Neocoelidiinae) and taxonomic notes on the genus

ANA PAULA MARQUES-COSTA¹ & RODNEY RAMIRO CAVICHIOLI²

Programa de Pós-Graduação em Entomologia, Departamento de Zoologia, Universidade Federal do Paraná. Caixa Postal 19020, 81531-980, Curitiba, Paraná, Brasil. E-mail: ¹apcm@ufpr.br; ²cavich@ufpr.br

Abstract

Coelana Kramer [= *Coelidiana* subgenus *Coelana* DeLong *nomen nudum*] is revised and its two species, *Coelana modesta* (Baker) and *Coelana drakei* Kramer are redescribed. *Coelana* can be distinguished from other genera of Neocoelidiinae by the presence of a small black spot at the apex of the crown and male genitalia with an inflated pygofer, longer than subgenital plates, with a large ventral hook and laterally with a long suture, extending from the ventral margin to near the dorsal margin. The species are redescribed and illustrated, their geographical distribution is given, and a lectotype for *Neocoelidia modesta* Baker is designated.

Key words: Auchenorrhyncha, geographical distribution, lectotype, leafhoppers, morphology

Resumo

Coelana Kramer [= *Coelidiana* subgênero *Coelana* DeLong *nomen nudum*] é revisado e suas duas espécies, *Coelana modesta* (Baker) e *Coelana drakei* Kramer são redescritas. *Coelana* difere dos demais gêneros de Neocoelidiinae por possuir uma pequena mancha preta arredondada no ápice da coroa e genitália masculina com pigóforo inflado, mais longo que as placas subgenitais, com grande gancho ventral e sutura na metade basal, estendendo-se da margem ventral até próximo à margem dorsal. As espécies são redescritas e ilustradas, sua distribuição geográfica é fornecida e o lectótipo de *Neocoelidia modesta* Baker é designado.

Palavras-chave: Auchenorrhyncha, cigarrinhas, distribuição geográfica, lectótipo, morfologia

Introduction

The subfamily Neocoelidiinae comprises a single tribe, Neocoelidiini, currently with 167 species in 29 genera; in Brazil, 60 species have been recorded representing 17 genera (including *Coelana* and its species) (Marques-Costa & Cavichioli 2007a, b, and c). The subfamily is mainly Neotropical, with only four genera recorded from the Nearctic Region: *Coellella* DeLong, *Neocoelidia* Gillette & Baker, *Cocoelidia* DeLong, and *Neocoelidiana* DeLong (Nielson & Knight 2000).

Oman (1936) described *Coelidiana* within the Jassinae for the five Neotropical species *Neocoelidia bimaculata* Baker, *N. croceata* Osborn, *N. inflata* Osborn, *N. modesta* Baker, and the type species *Neocoelidia rubrolineata* Baker from Mato Grosso, Brazil. Oman (1943) created the subfamily Neocoelidiinae and included *Coelidiana* Oman, *Neocoelidia* Gillette & Baker (type genus) and *Paracoelidea* Baker, all also originally described in Jassinae.