

**EUROPIELLA REUTER (HETEROPTERA: MIRIDAE):
RECOGNITION AS A HOLARCTIC GROUP, NOTES ON SYNONYMY, AND
DESCRIPTION OF A NEW SPECIES, *EUROPIELLA CARVALHOI*,
FROM NORTH AMERICA**

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Abstract.—The subgenus *Poliopterus* Wagner of *Plagiognathus* Fieber is placed in synonymy with *Europiella* Reuter. The identity of Holarctic species is clarified. New combinations are created because of generic synonymy, species are transferred from other genera, and many names are placed in synonymy. Most species for which hosts are known feed on *Artemisia*, a few feeding on other Asteraceae such as *Chrysothamnus*, *Helichrysum*, and *Tanacetum*, with two species being recorded from the Lamiaceae.

Key Words: Heteroptera, Miridae, *Europiella*, new species, new synonymy, Holarctic

Reuter (1909) used the name *Europiella* for two species of phyline Miridae from North America. Since that time many additional American species have been placed in the genus. Wagner (1949) described the subgenus *Plagiognathus* (*Poliopterus*) to contain several species of Palearctic Phylinae related to *P. albipennis* (Fallén). Our individual research efforts have shown that many species placed in *Europiella* and *Plagiognathus* are in fact congeneric, or in a few cases conspecific, that many species from North America that have previously been placed in *Europiella* do not belong there, and some Palearctic species placed in *Plagiognathus* sensu stricto and *Chlorillus* actually belong to *Europiella*. There is much confusion regarding the correct application of species-group names, including substantial synonymy. In the following pages we provide solutions to these problems and describe a new species. Additional details on

the history of synonymy for the Nearctic fauna, as well as more detailed distributions of the species, can be found in Henry and Wheeler (1988).

This paper is presented in honor of our long-time colleague and friend José Candido de Melo Carvalho. His influence on the study of the Miridae has been profound, because of his monumental world catalog and his unparalleled descriptive efforts, particularly on the Neotropical fauna.

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Europiella Reuter

Type species.—*Agalliaestes stigmosus* Uhler 1893.

Europiella Reuter 1909: 83 (n. gen., desc.); Knight 1968: 37 (key to spp.).

Poliopterus Wagner 1949: 53 (n. subgen. of *Plagiognathus*, desc.). NEW SYNONYMY.