

Brazilian sharpshooters of the genus *Homalodisca* Stål, 1869 (Hemiptera, Cicadellidae): notes, new records, key to species, first description of the male of *H. ignota* Melichar, 1924, and a new Northeastern species

DANIELA M. TAKIYA¹, RODNEY R. CAVICHIOLI² & STUART H. MCKAMEY³

¹Center for Biodiversity, Illinois Natural History Survey, 1816 S. Oak Street, Champaign, 61820, IL, USA.

²Departamento de Zoologia, Universidade Federal do Paraná, Caixa Postal 19020, 81531-990 Curitiba, PR,

³Systematic Entomology Laboratory, PSI, Agricultural Research Service, U.S. Department of Agriculture, c/o National Museum of Natural History, P.O. Box 37012, Washington, D.C. 20013, USA.

Abstract

Four species of the sharpshooter genus *Homalodisca* Stål are known to occur in Brazil: *H. ignota* Melichar; *H. ignorata* Melichar; *H. lucernaria* (Linnaeus), a senior synonym of the type-species *Cicada triangularis* Fabricius; and the new species *H. spottii* **sp. nov.** described from Bahia and Sergipe states. *H. spottii* **sp. nov.** is probably involved in the transmission of *Citrus* variegated chlorosis in Northeastern Brazil and is easily distinguished from other *Homalodisca* species by the (1) dark dorsum mottled with yellow; (2) contrasting yellow mesoscutellum; (3) broadly concave female sternite VII; and (4) aedeagal atrium not expanded dorsally and with 2 pairs of straight spiniform processes. Males and the female genitalia of *H. ignota* are described and illustrated for the first time (including an undistorted view of the female sternite VII). A sclerotized female internal sternite VIII in *H. ignota* and *H. spottii* **sp. nov.** is newly recorded for this genus. *Homalodisca* species are newly recorded for following Brazilian states: *H. ignota* from Rio de Janeiro and São Paulo; *H. ignorata* from Minas Gerais, Paraná, Rio de Janeiro, and Santa Catarina; and *H. lucernaria* from Pará and Roraima. A taxonomic key and notes on Brazilian species are also given.

Key words: Auchenorrhyncha, Cicadellinae, Proconiini, new species, taxonomy, *Citrus* variegated chlorosis, vectors