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Host associations of three species of *Gonatocerus* Nees (Hymenoptera: Mymaridae) newly recorded from Costa Rica

Nuevos registros de hospederos de tres especies de *Gonatocerus* Nees (Hymenoptera: Mymaridae) de Costa Rica

The described Neotropical species of the common and speciose fairyfly genus *Gonatocerus* Nees (Hymenoptera: Mymaridae) were recently revised by Triapitsyn *et al*. (2010) who also provided information on their distribution and host associations. Some members of the genus are egg parasitoids of various proconiine sharpshooter leafhoppers (Hemiptera: Cicadellidae: Cicadellinae: Proconiini) which are vectors of plant diseases and thus are of importance to biological control. Here we provide information on the hemipteran (Auchenorrhyncha) hosts of three species of *Gonatocerus* which are newly recorded from Costa Rica, identified by the first author of this communication who visited the country in April 2012. Voucher specimens are deposited in the collections of Museo de Zoología, Escuela de Biología, Universidad de Costa Rica, San Pedro de Montes de Oca, San José, Costa Rica (MZCR) and Entomology Research Museum, Department of Entomology, University of California, Riverside, California, USA (UCRC).

Gonatocerus (*Cosmocomoidea*) *triguttatus* Girault: **COSTA RICA:** GUANACASTE, Belén, 10°24’13’’N 85°35’22’’W, 40 m, parasitized egg masses of an *Oncometopia* sp. on *Hibiscus* sp. (Malvaceae) leaves collected 12.iv.2012 by S.V. Triapitsyn in a private front yard garden, parasitoids emerged 22-24.iv.2012 (preserved by P. Hanson) [16 females, 4 males, UCRC]. PUNTARENAS, Aranjuez, 10°03’24.55’’N 84°47’59.68’’W, 45 m, 22.vi.2012, J. Marín and F. Soley (emerged from an egg mass of a proconiine sharpshooter (*Oncometopia* sp. or *Phera* sp.) on *Citrus* sp. (Rutaceae) leaf) [6 females, 2 males, MZCR]. This species was previously known from Ecuador, Mexico, Nicaragua, Peru, Trinidad and Tobago, and USA as an egg parasitoid of several proconiine sharpshooter hosts including *Oncometopia* spp. (Triapitsyn *et al*. 2010).

Gonatocerus (*Cosmocomoidea*) *morrilli* (Howard): **COSTA RICA,** GUANACASTE, Belén, 10°24’13’’N 85°35’22’’W, 40 m, parasitized egg masses of an *Oncometopia* sp. on *Hibiscus* sp. (Malvaceae) leaves collected 12.iv.2012 by S.V. Triapitsyn in a private front yard garden, parasitoid emerged 22-24.iv.2012 (preserved by P. Hanson) [1 female, UCRC]. This species was previously known only from Mexico and USA as an egg parasitoid of several proconiine sharpshooter hosts including *Oncometopia* spp. (Triapitsyn *et al*. 2010).

Gonatocerus (*Gastrogonatocerus*) *anomocerus* Crawford: **COSTA RICA,** SAN JOSÉ, Braulio Carillo National Park (Bajo la Hondura), 10°04’N 83°59’W, 19.iv.1987, P. Hanson (emerged from membracid eggs collected with conspecific nymphs on *Bocconia* sp. (Papaveraceae) seeds) [2 females, MZCR]. Most likely the host was *Ennya pacifica* (Fairmaire) (Hemiptera: Membracidae). This parasitoid species was previously known only from Argentina and Trinidad and Tobago, in the latter country from eggs of *Horiola picta* (Coquebert) (Membracidae) (Triapitsyn *et al*. 2010).

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