

# A New Species of *Eurychilella* (Hemiptera:Miridae)<sup>1</sup>

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## ABSTRACT

*Eurychilella hemiclava* from Colombia is described, illustrated, and compared with the other species in the genus. A key is provided to separate this genus from three allied genera.

## INTRODUCTION

From material collected by Dr. J. A. Ramos in Colombia, I herein describe a new species of *Eurychilella*, a Neotropical bryocorine genus. Carvalho<sup>3</sup> monographed this genus and gave a key to the seven known species. From dorsal view the eyes of these species have the caudal external angle extended and pointing caudad, and on lateral aspect the eye is C-shaped. *Eurychilella* Reuter keys out with *Eccritotarsus* Stal. Two other genera, *Panamacoris* Carvalho and Penha Gomes<sup>4</sup> and *Eurychiloides* Carvalho and Penha Gomes<sup>4</sup> have similarly pointed eyes. These two genera are not included in Carvalho's key to the genera of the Bryocorinae<sup>5</sup> as they were described later. A partial key separating these four genera follows:

1. Eyes circular from above; II antennal segment longer than head across eyes; scutellum with fine punctures; hemelytra wider across middle . . . . . *Eccritotarsus*  
Eyes from above with posterior external angle sharp and pointing caudad; II antennal segment shorter than head across eyes; hemelytra variable, scutellum different . . . . . 2
2. Beak reaching metacoxae; collar gibbose, not extending over base of head; hemelytra parallel sided . . . . . *Panamacoris*  
Beak barely reaching mesocoxae; collar not gibbose . . . . . 3
3. Body parallel-sided; scutellum smooth; males with two small caudad

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<sup>3</sup> Carvalho, J. C. M., 1953. Neotropical Miridae, LXVIII: genus *Eurychilella* Reuter with descriptions of four new species, Rev. Brasil. Biol. 13 (4): 347-53.

<sup>4</sup> Carvalho, J. C. M. e Italia da Penha Gomes, 1971. Mirídeos Neotropicais, CXXIV: Quatro géneros e Dezesseis espécies novos da Tribo Bryocorini Douglas & Scott (Hemiptera). An. Acad. Brasil. Ciênc. 43 (2):461-78.

<sup>5</sup> Carvalho, J. C. M., 1955. Chaves para os géneros de Mirídeos do Mundo (Hemiptera) Bol. Mus. Paraense Emilio Goeldi. 11 (2): 1-151.

- projections on posterior margin of pronotum; collar not extending over base of head . . . . . *Eurychiloides*  
 Body oval; scutellum pitted; collar extending over base of head . . . . . *Eurychilella*

*Eurychilella hemiclava* Maldonado NEW SPECIES

*Male.* Above mostly grayish yellow. Head pale fuscous, eyes black, clypeus brownish, gena with small brown spot below antenna; sterna and pleurae dark gray; abdomen black. Pronotum unmarked; scutellum mostly grayish brown, black basally and along margins; clavus black in a wedge-shaped fashion to about midlength, the black turning to brown apically; corium with an irregular brownish spot across about level to apex of clavus; embolium unmarked; cuneus brownish with black apical angles; vein of membrane brownish. Legs: procoxa, metacoxa, and trochanters castaneous; mesocoxa grayish; profemur castaneous, protibia dark gray; mid legs castaneous, tibia dark gray apically; metafemur castaneous on basal half, apical half dark gray; metatibia dark gray; tarsi yellowish (fig. 5).

Head: width across eyes 0.65, interocular space 0.34, length 0.2; eyes from above with posterior outer angle produced caudad, eye on lateral aspect C-shaped. Antenna: I, 0.25; II, 0.5; others missing; very scarcely short pilose. Beak barely reaching middle coxae. Pronotum: collar and posterior lobe pitted; calli smooth, slightly elevated; collar slightly extending over base of head (fig 4); length 0.64, width at humeral angles 0.89. Scutellum pitted, length 0.30, width 0.37. Greatest width across forewings 1.10; cuneus length 0.5, width 0.25. Genital segments as in figures 1 to 3. Overall length 2.3 mm.

*Female.* Mostly same colors and pattern of male; cuneus grayish yellow; sterna with apical half brownish, thus looking banded; last segment brownish, ovipositor black.

Head: width across eyes 0.66, interocular space 0.31, length 1.15. Antenna: I, 0.2; II, 0.47. Eyes as in male. Pronotum: length 0.65, width 1.0; collar and posterior lobe pitted; calli small, round, slightly elevated, smooth; posterior margin slightly indented above scutellum. Scutellum length 0.25, width 0.35. Greater width across forewings 1.2; cuneus length 0.6, width 0.3. Overall length 2.66 mm.

*Holotype.* Male, Colombia, Apiay, Meta, 14 July 1965, J. A. Ramos collector, NMNH Cat No. 100696. *Allotype.* Female, Colombia, Quetame, Cundinamarca, 12 October 1965, J. A. Ramos collector, in NMNH. One male paratype with same data as holotype in the author's collection.

*Eurychilella cinabarina* Carvalho, *E. rubra* Carvalho, *E. figueiredoi* Carvalho, and *E. bicolor* Carvalho are reddish or ornamented with red.

Of *E. pallida* Reuter, *E. fasciata* Carvalho, and *E. discoidalis* (Reuter) only the latter has a blackish clavus. In *E. hemiclava* the black of the clavus is limited to the basal half whereas in *E. discoidalis* the black area



Plate I.—*Euryphilella hemiclava* sp nov., male, 1. Genital segments, left lateral; 2. Genital segments, ventral, apex of aedeagus omitted; 3. Genital segments, right lateral; 4. Head and pronotum, lateral; 5. Habitus.

occupies nearly the whole clavus, extends into the inner half of the corium, and basally into the membrane.

#### RESUMEN

Se provee una clave para separar los géneros *Panamacoris* Carvalho y Penha Gomes, *Eurychiloides* Carvalho y Penha Gomes, *Ecclitotarsus* Stal y *Eurychilella* Reuter porque están aliados entre sí y porque los primeros dos, por haber sido descritos posteriormente, no están en la clave para los géneros de Bryocorinae del mundo de Carvalho (1955). Se describe *Eurychilella hemiclava* sp nov y se compara con las otras siete especies del género.