

# Contributions to the knowledge of American Ectrichodiinae I. Notes about *Rhiginia* (Hemiptera:Reduviidae)<sup>1</sup>

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## ABSTRACT

The neallotype of *Rhiginia dureti* Carpintero, 1980<sup>3</sup>, is described from Peru. *Santainezia* Miller, 1956<sup>4</sup>, is declared junior synonym of *Rhiginia* Stål, 1859<sup>5</sup>. Cook's, 1977<sup>6</sup>, observation that *Santainezia bicolor* Miller, 1956, is a synonym of *Rhiginia haenschi* Breddin, 1903<sup>7</sup>, is confirmed.

## INTRODUCTION

The authors had the opportunity to study types of several species of *Rhiginia* and a paratype of *Santainezia bicolor* Miller.<sup>4</sup> The female neallotype of *Rhiginia dureti* is deposited in the collection of "Instituto Carlos Malbán" (ICM). Measurements are in millimeters or in relative proportions to the first segment as the case may be. We have used the term neallotype to follow the recording system used at ICM.

## DESCRIPTIONS AND DISCUSSION

### *Rhiginia dureti* Carpintero

*Rhiginia dureti* Carpintero, 1980.<sup>3</sup> Acta Scientifica, ser. entomológica, 14:26. Male holotype, Ecuador.

Female - length 18.4, width of abdomen 7.2, width of posterior lobe of pronotum 5.2. Proportion of head width to length 1:1.4, width to length of synthipsis 1:2; antennal segments 1:1.5:0.9:0.7, last missing; segments of rostrum 1:1.1:0.5. Body mostly shiny black, as in male. Larger and

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<sup>3</sup>Carpintero, D. J., 1980. Nuevos Ectrichodiinae Americanos (Insecta: Hemiptera:Reduviidae). Acta Scientifica, ser. entomológica 14:3-33.

<sup>4</sup>Miller, N. C. E., 1956. New genera and species of Ethiopian, Oriental, and Neotropical Reduviidae (Hemiptera-Heteroptera). Beit. zur Entomol. 6 (1-2):1-9.

<sup>5</sup>Stål, C., 1859. Till kaennedomen om Reduvini. Ofv. J. Vet.-Ak. Forh. 16:175-205.

<sup>6</sup>Cook, Margaret L., 1977. A key to genera of Asian Ectrichodiinae (Hemiptera: Reduviidae) together with a check-list of genera and species. Oriental Ins. 11 (1):63-88.

<sup>7</sup>Breddin, G., 1903. Einige neue suedamerikanische Ectrichodiinen. Soc. Entomol. 18:65-66.

heavier than male, physiogastric. Pronotum and scutellum thickly corrugate, as in male. Except for the measurements given above, very similar to male.

Neotype - female, PERU, Río Santiago, collecting date undiscernible, H. Bassler collector. Accession number - 33591, ICM.

Carpintero (1980:26)<sup>3</sup>, detailed difference between *R. dureti* Carpintero and *R. amazona* Stål, and between *R. haenschi* Breddin. In *R. dureti* the lateral prongs of the scutellum curve inward leaving a round space between them (Plate I, 5). The prongs are almost parallel in *R. amazona* and *R. haenschi*; relatively long and slender in the first (fig. 1, from Stål's type) and shorter in the latter (fig. 3). *R. dureti* differs from *R. amazona* in having the first antennal segment shorter than the head, absence of light spots and punctures on anterior lobe of pronotum, and different sculpturing of pronotum (figures 5 and 3). *R. dureti* differs from *R. haenschi* by having very large eyes that surpass the upper surface of head (figures 6 and 4), first antennal segment shorter than head, and different shape and sculpturing of the pronotum.

*Rhiginia amazona*, *R. haenschi*, and *R. dureti* form a natural group. They are mostly black, and the posterior lobe of the pronotum is strongly corrugate and callous. It should be pointed out that corrugation of the posterior lobe of the pronotum also occurs in other species such as *R. corrugata* Maldonado. The group has its center of origin in northwestern South America, that is, Ecuador, Peru, and northwestern Brazil.

#### *Rhiginia* Stål

*Rhiginia* Stål, 1859.<sup>5</sup> Ofv. E. Vet.-Ak. Forh.

*Santainezia* Miller, 1956.<sup>4</sup> Beitr. Entom. New synonymy.

The evidence for this new synonymy is given below in the discussion under *Rhiginia haenschi*.

#### *Rhiginia haenschi* Breddin

*Rhiginia haenschi* Breddin, 1903.<sup>6</sup> Soc. Entomol. 18:65-66; male, Ecuador, Santa Inez (sic).

*Santainezia haenschi*: Cook, 1977.<sup>6</sup> Oriental Ins. 11:84.

*Santainezia bicolor* Miller, 1956.<sup>4</sup> Beitr. Entomol. 61:5-6; male, Ecuador, Santa Inez, type of genus.

*Santainezia bicolor*: Cook, 1977. Oriental Ins. 11:84.

We compared a paratype of *Santainezia bicolor* with the female neotype of *Rhiginia dureti* and the closely allied *R. amazona* and *R. haenschi*. Carpintero, (1978:20),<sup>2</sup> then doubted the validity of *Santainezia*. Miller's description of the holotype of *S. bicolor*, except for "division between segments 3 and 4 somewhat indistinct" and consequently a 7-segment antenna, agrees very well with the generic characters of the above mentioned species of *Rhiginia*. The fusion of antennal

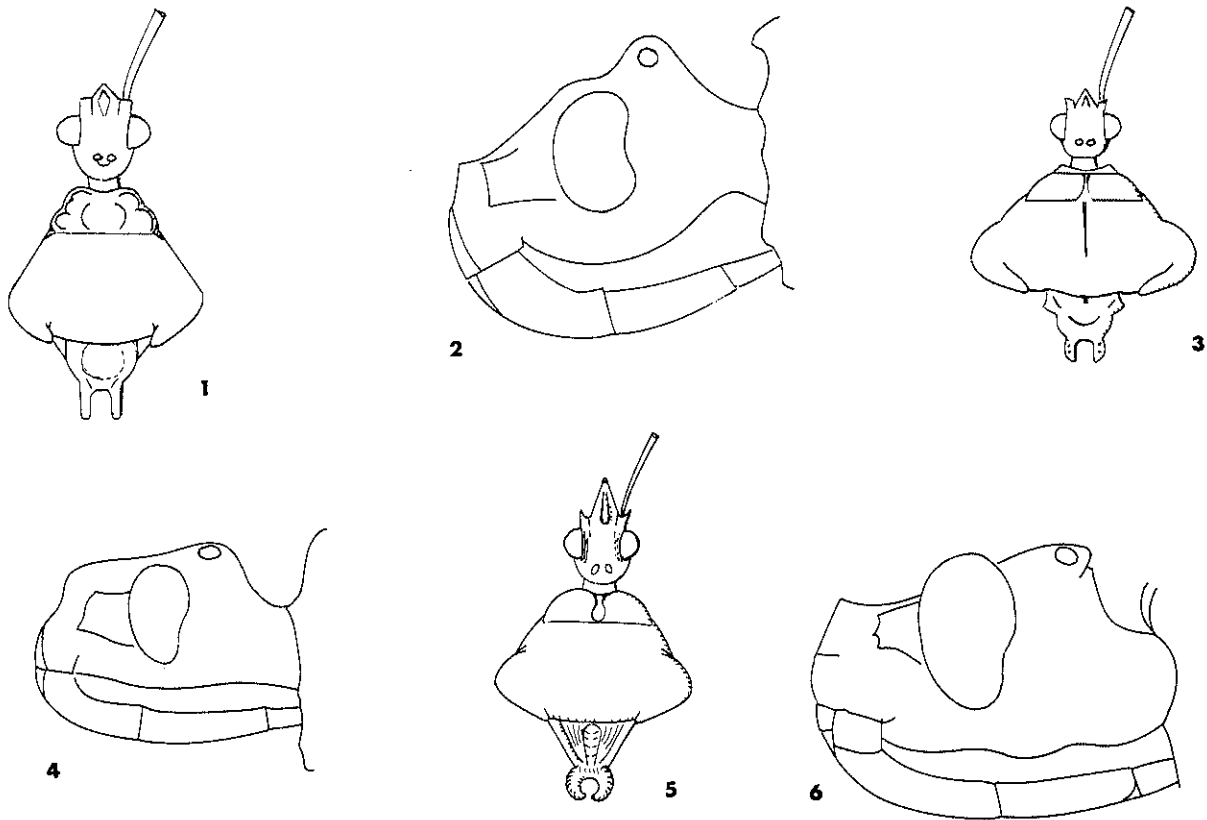


PLATE I.—*Rhiginia amazona* Stål. 1. head and thorax, dorsal; 2. head, lateral. *Rhiginia haenschi* Breddin. 3. head and thorax, dorsal; 4. head, lateral. *Rhiginia dureti* Carpintero. 5. head and thorax, dorsal; 6. head, lateral.

segments is of common occurrence in this genus and in other ectrichodiines as well, so this character is irrelevant in this case. Evidently, *Santainezia* is a junior synonym of *Rhiginia*. *Santainezia bicolor* and *Rhiginia haenschi* are synonyms. Our study confirms that Cook was correct in declaring *S. bicolor* a junior synonym of *R. haenschi*. Notice that both species come from the same type locality. *Rhiginia haenschi* fits very well our definition of the genus.

#### RESUMEN

##### Apuntes sobre *Rhiginia* (Hemiptera: Reduviidae)

Se describe el neolotipo hembra de *Rhiginia dureti* Carpintero, 1980, ampliándose así la definición de la especie. Se confirma la observación de Cook (1977) que *Santainezia bicolor* es sinónimo de *Rhiginia haenschi*. Comparaciones adicionales entre *S. bicolor* y otras especies de *Rhiginia* señalan que *Santainezia* Miller es sinónimo de *Rhiginia* Stål.