# A NEW SPECIES OF *HYPERALONIA* RONDANI, 1863 (INSECTA: DIPTERA: BOMBYLIIDAE: EXOPROSOPINAE)

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Abstract.—A new species of Hyperalonia from Brazil, H. diminuta, is described and illustrated. Illustrations of wings of other Neotropical taxa are also included to aid in their identification.

The Neotropical genus *Hyperalonia* Rondani, 1863, comprises four species and two subspecies (Painter et al. 1978). They were revised by Painter & Painter (1968), who described a new species, *H. ater*, and presented a diagnosis of the genus, a key to species and subspecies and recorded their distribution.

Except for *H. ater*, all other known species and subspecies are represented in Museu Nacional, Rio de Janeiro collection. Studying this material, the authors found a new species of *Hyperalonia*, which is herein described. The unique exemplar of *H. ater* observed is deposited at Museu de Zoologia, Universidade de São Paulo.

To contribute further to the identification of the genus, wing illustrations of Neotropical taxa are also presented.

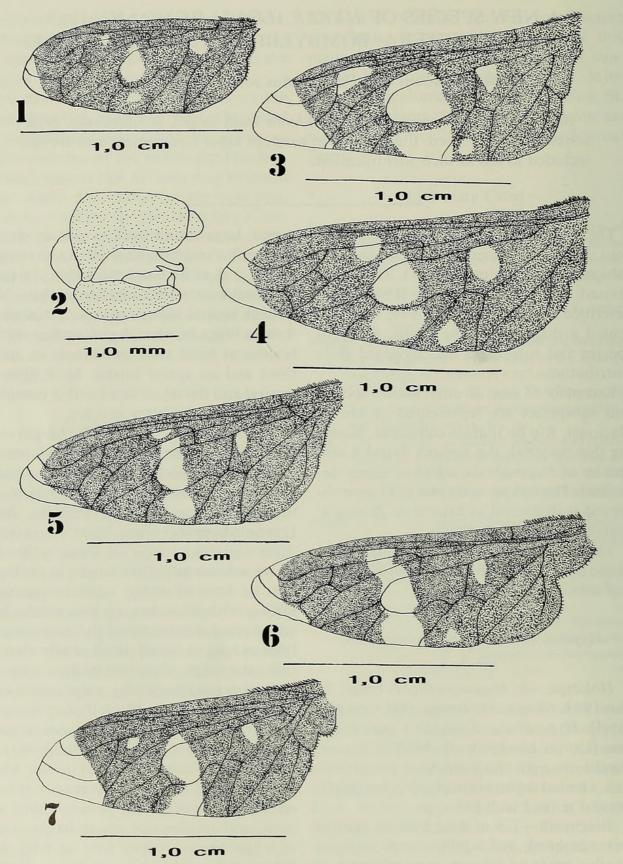
## Hyperalonia diminuta, new species Figs. 1, 2

Holotype.—3. Aragarças/Goiás Brasil, 28 Jan 1953, Moacir Alvarenga. Holotipo [red label]. Hyperalonia diminuta Couri & Lamas [Lamas' handwriting]. (MNRJ). In good condition; right third antennal article broken. Genital segments in glycerin inside microvial pinned with holotype.

Diagnosis.—Tip of wing hyaline, outline between black and hyaline areas straight; hyaline areas as follows: area in center of wing from near base of first posterior cell to near posterior margin of discal cell; this hyaline area is largely separated from another small one, at third posterior cell, which is

round; large round hyaline area at second basal cell; a small round hyaline area crossed by R2 + 3 at its basal third (Fig. 1); hairs on costal base black; alula fringe white. Mid tibia at ventral surface with a row of about 9 short black bristles; dorsal surface with 2 bristles at basal half, one bristle at apical third and an apical bristle; hind tibia on ventral and dorsal surfaces with a complete row of short and black bristles.

Description. - Male: Body length - 10 mm; wing 10 mm (Figs. 1-2). Head: orange yellow, except ocellar tubercle and a triangular area in front of it, which are both black, mouth opening brown posteriorly; frons protruded; sparse black hairs on occiput, frons and gena; occipital fringe yellowish white; a dense tuft of black hairs in the black spot on front of ocellar tubercle; antennae brown, with black hair on first article; first and second articles about the same length, both as long as broad; third article about 3 times the length of second; proboscis hardly exceeding mouth opening; palpi brown with black hairs. Thorax: black bluish; humeral and postalar callus brown; sparse minute black pubescence on notum; orange red collar of hairs on anterior part of thorax; black hairs between coxa; a tuft of orange red hairs on humeral callus and between this and wing; and another one above halter; a tuft of white hairs between base of wing and halter; halter brown and yellow; calypter dark brown; anepisternum, katepisternum and anepimeron with black hairs. Legs brown, mid tibia on ventral surface with a row of about 9 short black bristles; dorsal



Figs. 1–7. 1–2, Hyperalonia diminuta: (1) wing of holotype; (2) male genitalia, lateral view; 3, Hyperalonia surinamensis, wing; 4, Hyperalonia morio morio, wing; 5, Hyperalonia morio erythrocephala, wing; 6, Hyperalonia chilensis, wing; 7, Hyperalonia ater, wing.

surface with 2 bristles on basal half, one bristle at apical third and an apical bristle; hind tibia on ventral and dorsal surfaces with a complete row of short, black bristles. Wing: blackish brown; tip hyaline, outline between black and hyaline areas straight; hyaline areas as follows: area in center of wing near base of first posterior cell to near posterior margin of discal cell; this hyaline area is largely separated from another small one, at third posterior cell, which is round; big round hyaline area at second basal cell; a small round hyaline area crossed by R2 + 3 at its basal third (Fig. 1); hairs on costal base black; alula fringe white. Abdomen: Black bluish as thorax with small black hairs at dorsum and bristled laterally. Male genitalia in lateral view with basistylus subtriangular; dististylus with hook-shaped apex; tip of aedeagus recurved dorsally; epandrium subquadrate, with prominent ventral process. Cercus short (Fig. 2).

Discussion.—The color pattern of the wing easily distinguishes *H. diminuta* from other species in the genus. In Painter & Painter's (1968) key, this species is near *H. surinamensis*, as in both, the line between hyaline and dark parts at tip of wing is straight. The following key separates these two species.

 The color pattern of wings of *Hyperalonia* morio morio (Fabricius, 1775) (Fig. 4); *H. morio erythrocephala* (Fabricius, 1805) (Fig. 5); *H. chilensis* Rondani, 1863 (Fig. 6); *H. surinamensis* Rondani, 1863 (Fig. 3); and *H. ater* Painter & Painter, 1968 (Fig. 7) are presented, to facilitate the identification of species.

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