

Contribution to the knowledge of *Rasahus* Amyot and Serville, 1843 (Hemiptera: Reduviidae); description of a new species¹

*María del Carmen Coscarón and Jenaro Maldonado-Capriles*²

ABSTRACT

Rasahus costaricensis n. sp. from Costa Rica is described and illustrated. New locality records are given for six other species of *Rasahus*.

INTRODUCTION

The members of the genus *Rasahus* are entomophagous insects of Nearctic and Neotropical distribution. The genus includes 25 species.^{3,4} This paper describes and illustrates a new species and gives new locality records based on specimens in the junior author's collection. Measurements are given in mm. The type of the new species is deposited in the collection of the National Museum of Natural History (NMNH), Washington, D. C.

DISCUSSION

Rasahus costaricensis Coscarón and Maldonado, n. sp.

Male—general aspect as in figure 1. Overall color dark brown. Legs, hemelytra, and connexivum with light brown and whitish areas. Head with same shade of brown as posterior lobe of pronotum; rostrum light brown, with third segment the lightest, whitish scarce pilosity and few long setae. Scutellum brown, apex light brown. Femora II and III brown, light brown basal area. Tibia III light brown, yellowish basally and short apically. Anterior lobe of pronotum lighter than posterior. Connexival segments with subequal yellow and light brown areas (Plate 1, fig. 1)

Head as long as wide across eyes (1:1), half as long as pronotum (1:2); anteoctular region subequal to postocular (1:0.9-1.1); eyes on lateral view slightly surpassing upper margin and well separated from lower margin

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²División de Entomología, Facultad de Ciencias Naturales y Museo de La Plata, Paseo del Bosque 1900, La Plata, Argentina, and J. Maldonado Capriles, Department of Plant Protection, University of Puerto Rico, Mayagüez, Puerto Rico, 00708.

³Coscarón, M. del C., 1983. Revisión del género *Rasahus* (Insecta, Heteroptera, Reduviidae). Rev. Mus. La Plata, 13 (sec. Zool.) 136:75-138.

⁴Coscarón M. del C., 1986. Un nuevo Peiratinae (Insecta, Heteroptera, Reduviidae) del Brasil. (In press.)

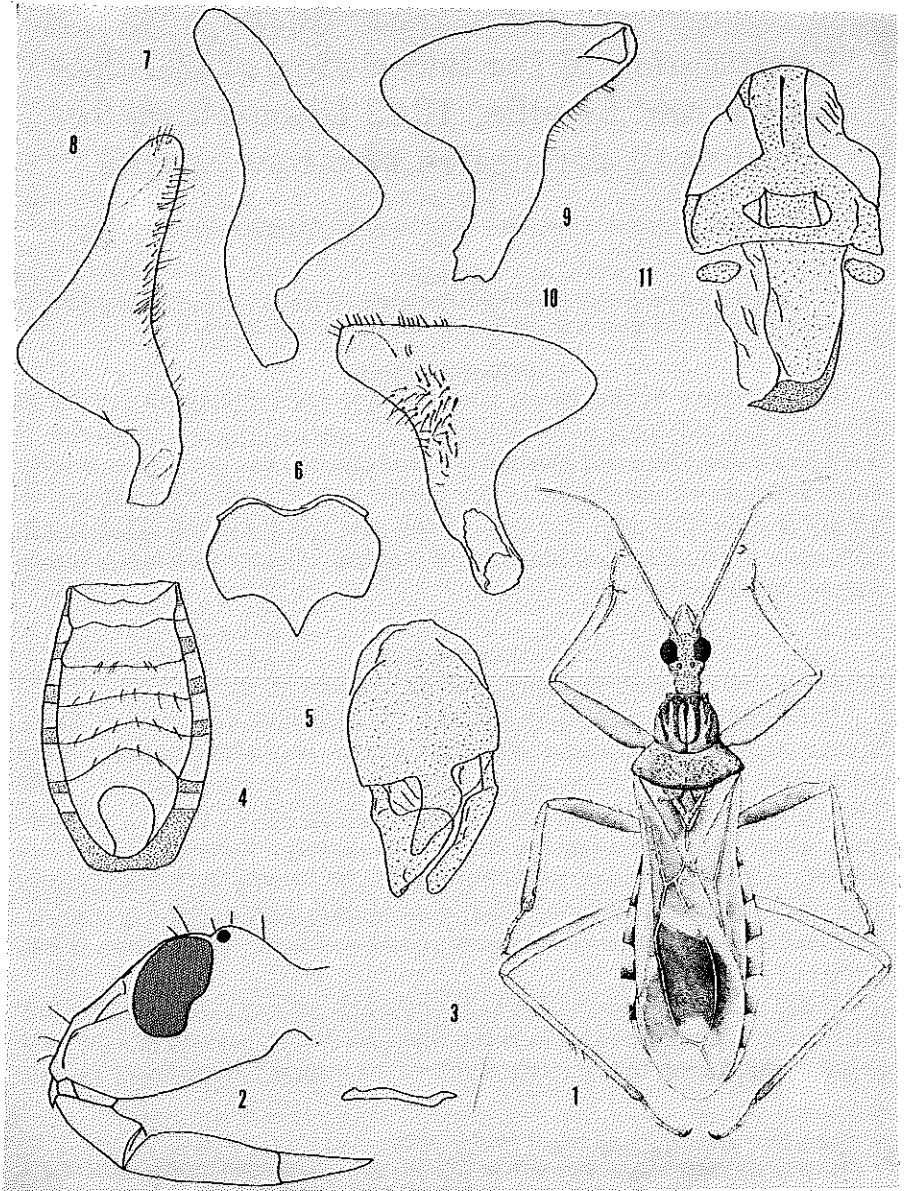


PLATE I.—*Rasahus costaricensis* n. sp., male holotype; 1. habitus, dorsal; 2. head, lateral; 3. scutellum, lateral; 4. abdomen, without genitalia, ventral; 5. genitalia, without VIII sternum, ventral; 6. VIII sternum, ventral; 7. right paramere, external; 8. right paramere, internal; 9. left paramere, external; 10. left paramere, internal; 11. phallus.

of head; ocelli apart at about 2.5 X their width, without ocellar elevation (figs. 1 and 2). Ratio of rostral segments 1:1.6:1; shaped as in figure 2. Pronotum rugose, posterior lobe granulose, with scarce fine hairs; width 29; anterior lobe with conspicuous sulci, sulci granulose; median sulcus with conspicuous basal depression, submedian sulci incurved and joining median sulcus, outermost sulcus the longest (fig. 1). Scutellum sparsely granulose and with few long hairs, lateral margin carinate, apical spine or process elongate, cylindrical, apex round (figs 1 and 3). Pro-, meso-, and metasternum granulose. Abdominal venter convex, most urosteronites with apical row of long setae; sterna and ventral aspect of connexivum as in figure 4. Hemelytra slightly surpassing apex of abdomen.

Genitalia as in figures 9-11; VIII sternum subrectangular, without setae (fig. 6); pygophore subrectangular, setose ventrally; parameres with sub-triangular body, internal face with setae pointed mesad (figs. 8 and 10), external face without setae (figs. 7 and 9); phallus as in figure 11; process of pygophore elongate, assymetrical, tapering. Length 11.9 mm.

Female—general coloration and shape as in male. Width of pronotum 33, width of abdomen 38. Length 12.3 mm.

Holotype—male, COSTA RICA, San José, 2-7:v:1965. A. Willie, collector. In NMNH. Allotype—female, COSTA RICA, Punta Rincón, 3:iii:1968, B. Cornaby, collector; in senior author's collection.

Closer to *R. guttatipennis* (Stål). Runs in Coscarón's key to couplet 7 together with *R. atratus* Coscarón and *R. guttatipennis*. The first lacks yellow spots on or near the membrane. The latter has the antecular region twice as long as the postocular, only a small yellow area on the membrane, hemelytra mostly brownish, and the process of the pygophore long and acute, whereas in *R. costaricensis* the ante- and postocular areas are subequal, yellow areas on the mostly black hemelytron are more abundant and extensive, apex of membrane yellowish, and the process of the pygophore wide post basally.

Distributional records of *Rashus* species

The following records are from specimens in the junior author's collection:

Rashus scutellaris (Fabricius) - 1 female, ECUADOR, Coca Mayo, date: only 1965; L. E. Peña, collector. New locality record.

Rashus amapensis Coscarón - 1 male, BRASIL, Piracicaba, São Paulo State, Feb. 1966, collector C. A. Triplehorn, black light. New record for the state of São Paulo.

Rashus sulcicollis (Serville) - 1 male, ECUADOR, Cumbaratza, Nov. 21, 1970; L. E. Peña, collector. New record for the State of Zamore. One male, PANAMA, Coco Solo Hospital, Canal Zone, April 27, 1972; D. Engleman, collector. Known from other localities in Panama.

Rasahus maculipennis (Lepelletier & Serville) - 1 female, BRASIL, Nova Teutonia, lat. 27° 11', long. 52° 32'; F. Plaumann, collector, Feb. 1, 1938. New record for Santa Catarina State.

Rasahus guttatipennis (Stål) - male, MEXICO, Vera Cruz, Volcán San Martín, SE slope; B. B. Valentine, collector. New record for this area.

Rasahus hamatus (Fabricius)- 2 males, USA, Florida, Wakulla County, 30:vi;1967; C. Hilfker, collector. State record confirmation, new locality.

RESUMEN

Descripción de nueva especie de *Rasahus* (Hemiptera: Reduviidae)

Los autores describen e ilustran *Rasahus costaricensis* n. sp. proveniente de Costa Rica y señalan nuevos registros geográficos de otras seis especies.