



<http://dx.doi.org/10.11646/zootaxa.3980.4.2>

<http://zoobank.org/urn:lsid:zoobank.org:pub:CDBE7FC5-92D7-4D48-8CB4-FEF1D8587F09>

Two new species of *Rhagovelia* (Hemiptera: Heteroptera: Veliidae) from Costa Rica, with a key and new records from the country

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Abstract

Rhagovelia danpolhemi sp. nov., from the Caribbean Slope of Costa Rica and *R. springerae* sp. nov., from the northern portion of the country, are described, illustrated, compared with similar species, and included in a key to species recorded from the country. *Rhagovelia calopa* Drake & Harris, *R. spinosa* Gould, and *R. tantilla* Drake & Harris are recorded for the first time from Costa Rica. New provincial records are provided for *R. acuminata* Bacon, *R. angustipes* Uhler, *R. armata* (Burmeister), *R. bisignata* Bacon, *R. crassipes* Champion, *R. elegans* Uhler, *R. femoralis* Champion, *R. solida* Bacon, *R. spinigera* Champion, *R. tenuipes* Champion, and *R. uncinata* Champion. Additional distributional information is given for these species and for *R. formosa* Bacon and *R. scabra* Bacon.

Key words: Aquatic insects, Neotropical Region, taxonomy, water striders

Resumen

Se describe, ilustra, compara con especies similares, y se incluye en una clave para especies registradas en Costa Rica a *Rhagovelia danpolhemi* sp. nov., especie de la Vertiente Caribe del país, y *R. springerae* sp. nov., de la región norte. Además, se reportan por primera vez para Costa Rica las especies *Rhagovelia calopa* Drake & Harris, *R. spinosa* Gould y *R. tantilla* Drake & Harris. Se proveen nuevos registros a nivel de provincia para *R. acuminata* Bacon, *R. angustipes* Uhler, *R. armata* (Burmeister), *R. bisignata* Bacon, *R. crassipes* Champion, *R. elegans* Uhler, *R. femoralis* Champion, *R. solida* Bacon, *R. spinigera* Champion, *R. tenuipes* Champion y *R. uncinata* Champion; y se da información adicional de la distribución de estas especies y de *R. formosa* Bacon y *R. scabra* Bacon.

Palabras clave: Chinchas patinadores, insectos acuáticos, región neotropical, taxonomía

Introduction

The members of the broad-shouldered water strider genus *Rhagovelia* Mayr, 1865 are among the most commonly encountered aquatic Heteroptera in tropical regions, forming the dominant guild of surface-dwelling insect predators on rocky upland streams (Polhemus 1997), and Costa Rica is not an exception. Representatives of the genus can be considered as the most common semiaquatic bugs in streams and rivers from the country, ranging from lowlands to highlands.

Studies concerning this genus in Costa Rica are scarce, although a new species was recently described