



## First Record of the Family Potamocoridae (Hemiptera: Heteroptera) in Costa Rica and of *Coleopterocoris* Hungerford, 1942 in Central America

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The Neotropical family Potamocoridae includes nine species in the genera *Coleopterocoris* Hungerford, 1942 and *Potamocoris* Hungerford, 1941. The biology of the family is barely known and most of the species mentioned in the literature have been collected with light-traps. *Coleopterocoris* has been reported only from Brazil and is represented by five described species, whereas *Potamocoris* has a more extensive known distribution, with one species recorded from Honduras and Mexico, and three from Suriname, Peru, and Paraguay (Hungerford 1941; La Rivers 1950; La Rivers 1969; Polhemus & Polhemus 1983; Van Doesburg 1984; Longo *et al.* 2005)

The potamocorid specimens reported here were detected during a revision of the Aquatic Entomology Collection at the Museum of Zoology, University of Costa Rica (MZUCR), which contains over 500,000 specimens. The two genera found in the collection were a result of a three-year monitoring project, during which monthly aquatic macroinvertebrate samples were taken with kick-netting in the San Carlos River, Alajuela province. The specimens were collected at the exact same sampling site, 500 m downstream from the mouth of Quebrada Rueda tributary [10°39'26.98"N, 84°16'35.01"W; 50 m.a.s.l.]. The specimen of *Coleopterocoris* was collected on February 2001 and *Potamocoris* on January 2003. The sampling site was characterized by an average water temperature of 25°C; pH levels between 6 and 7; and a certain level of contamination, especially nitrates, phosphates, and coliforms (average of 1,707 fecal coliforms/100ml), because of agricultural activities in the surrounding landscape (Chaves Campos *et al.* 2002, 2003).



**FIGURE 1.** Adult female specimen of *Potamocoris beckeri* La Rivers, 1950, from San Carlos River, Alajuela, Costa Rica (total length 2.9 mm).