



## On the Neotropical spider genera *Enna* O. Pickard-Cambridge, 1897 and *Syntrechalea* F. O. Pickard-Cambridge, 1902 (Araneae, Lycosoidea, Trechaleidae): descriptions, taxonomic notes and new records

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### Abstract

Two new species of the spider genus *Enna* O. Pickard-Cambridge, 1897 from Costa Rica and Peru are described and illustrated: *Enna osaensis* **sp. nov.** (female, Costa Rica) and *E. moyobamba* **sp. nov.** (female, Peru). The male of *E. chickeringi* Silva, Lise & Carico, 2008, from Costa Rica, is described and illustrated for the first time. *Enna huarinilla* Silva, Lise & Carico, 2008 is a junior synonym of *Enna caliensis* Silva, Lise & Carico, 2008. *Enna baeza* Silva, Lise & Carico, 2008, *E. bonaldoi* Silva, Lise & Carico, 2008, *E. igarape* Silva, Lise & Carico, 2008 and *E. trivittata* Silva & Lise, 2009 are newly recorded from Peru. *Paradosenus junin* Carico & Silva, 2010 is transferred to *Enna* O. Pickard-Cambridge, 1897. *Trechalea boliviensis* Carico, 1993 and *Trechalea lomalinda* Carico, 1993 are transferred to *Syntrechalea* F.O.P.-Cambridge, 1902. New records of *Syntrechalea lomalinda* **comb. nov.** are reported to Venezuela and Brazil.

**Key words:** taxonomy; morphology; Neotropical region

### Introduction

The spider genus *Enna* O. Pickard-Cambridge, 1897 was revised by Silva *et al.* 2008 and 18 new species were described and illustrated. After that revision, Silva & Lise (2009a) described one new species from Peru: *E. echarate* (known only by a female). Silva & Lise (2009b) described four new species from Brazil: *E. trivittata*, *E. segredo*, *E. meridionalis* and *E. caparao* (all known only by females). Carico & Silva (2010b) described *E. xingu* (known only by one female) from Northern Brazil. Silva & Lise (2010) synonymized *E. braslandia* Silva, Lise & Carico, 2008 with *E. redundans* (Platnick, 1993). Recently, Silva & Lise (2011) described seven new species from Panama, Venezuela, Colombia and Peru. Currently, the genus *Enna* is distributed in the Americas, from Mexico to Southern Brazil and comprises 36 species (Platnick 2011).

*Trechalea* Thorell, 1869 was revised by Carico (1993) and two new species were described and illustrated: *T. boliviensis* and *T. lomalinda*. Currently the genus comprises 10 species distributed from Southern Arizona, USA to Southern Argentina (Platnick 2011). After examining the types of *T. boliviensis* and *T. lomalinda*, we transfer the two species to *Syntrechalea* F. O. Pickard-Cambridge, 1902 based on unique morphological characters of the genus, such as the flattened carapace and flexible metatarsi and tarsi and a few aspects of the male and female genitalia (Carico 2008).

A major taxonomic problem with the genus *Enna* is that there is little material available in scientific collections, mostly due to lack of specific field collections in tropical areas, especially in some South American countries. If males and females were not collected in the same area, it is often impossible to match the sexes of new species. We are aware that describing males and females as separate species may lead to future synonymies, but we prefer to publish based the material that we have, thus making it accessible to the scientific community.

In this work we describe and illustrate two new species of *Enna* from Costa Rica and Peru: *Enna osaensis* **sp.**