

A new species of *Lyssomanes* Hentz, 1845 from Brazil (Araneae: Salticidae)

Dmitri V. Logunov

Zoological Museum,
Institute for Systematics and Ecology of Animals,
Siberian Division of the Russian Academy of Sciences,
Frunze Street 11, Novosibirsk, 630091, Russia

Summary

A new species, *Lyssomanes romani* sp. n., from Brazil is diagnosed, figured and described. New faunistic records for *Lyssomanes nigropictus* and *Lyssomanes tenuis* (both from Brazil) are also provided.

Introduction

The genus *Lyssomanes* is known to comprise 72 valid species (see Galiano, 1962, 1980, 1984, 1996; Brignoli, 1984; Prószyński, 1990; Jiménez & Tejas, 1993; Logunov, 2000), two of which are fossil species (Wunderlich, 1986, 1988). The aim of the present paper is to describe a new *Lyssomanes* species and to give new Brazilian faunistic records for two others. All these species were collected by Abraham Roman during the Swedish Brazil expeditions in 1914 and 1924 and are deposited in the Swedish Museum of Natural History, Stockholm, Sweden (SMNH).

Abbreviations used in the text and figures: ALE=anterior lateral eye, AME=anterior median eye, C=conductor, d=dorsal, E=embolus, Fm=femur,

M=median apophysis, Mt=metatarsus, PLE=posterior lateral eye, PME=posterior median eye, pr=prolateral, Pt=patella, rt=retrolateral, Tb=tibia, v=ventral. For the leg spination the system adopted is that used by Ono (1988). The sequence of leg segments in measurement data is as follows: femur+patella+tibia+metatarsus+tarsus. All measurements are in mm.

Lyssomanes romani sp. n. (Figs. 1–4)

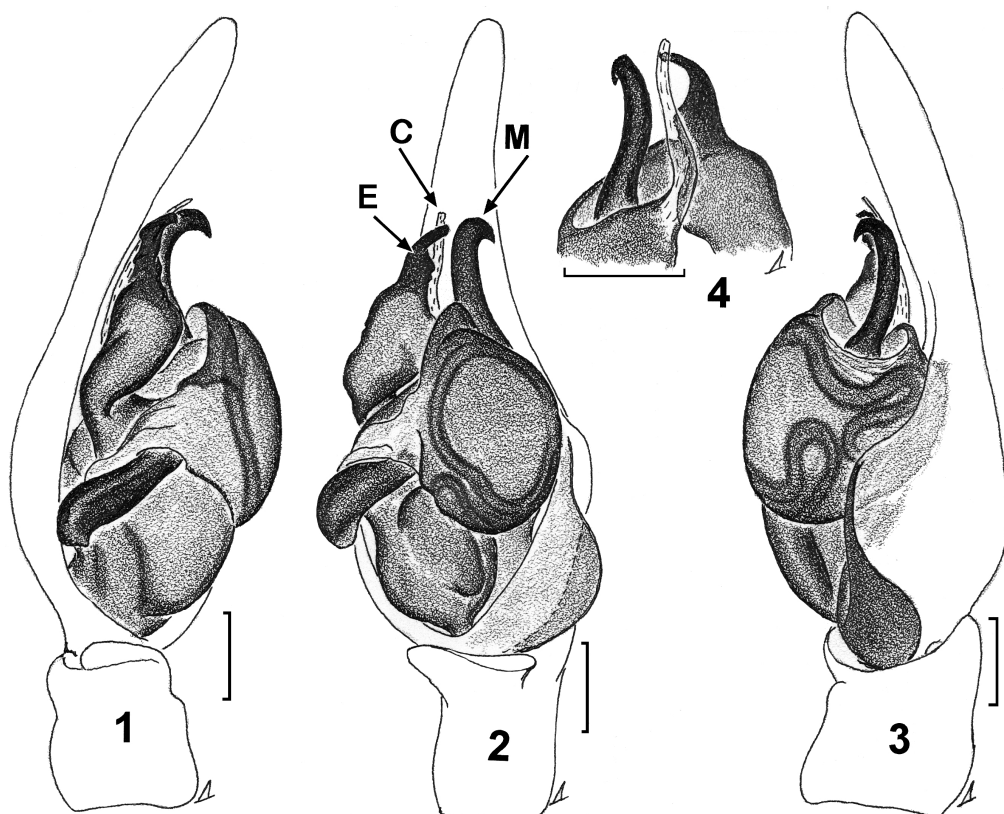
Type: Holotype ♂ (SMNH), Brazil: Amazonas, Rio Negro, Umarituba, 26 April 1924, A. Roman.

Etymology: This species is named in honour of the famous Swedish collector and explorer of South America, Mr Abraham Roman, who collected the holotype.

Diagnosis: The new species is fairly close to *Lyssomanes antillanus* Peckham, Peckham & Wheeler, 1889, *L. portoricensis* Petrunkevitch, 1933, *L. unicolor* (Taczanowski, 1872) and *L. michae* Brignoli, 1984 (see Galiano, 1962: pl. III, figs. 8–9 and pl. VI, figs. 1–3; Galiano, 1980: pl. III, figs. 23–24; Brignoli, 1984: figs. 4, 7), but can be easily distinguished from them by the elongated and almost touching embolus and median apophysis (clearly separated in the above species), as well as by the ribbon-shaped conductor (fan-shaped in the above species) (see Figs. 1–4).

Distribution: The type locality only.

Description: *Male* (holotype): Carapace 2.88 long, 1.98 wide, 1.18 high at PLE. Ocular area 1.35 long. Eye interdistances: AME-AME 1.28, ALE-ALE 1.21,



Figs. 1–4: Male palp of *Lyssomanes romani* sp. n. (holotype). 1 Mesal view; 2 Ventral view; 3 Ectal view; 4 Embolic division, dorsal view. Scale lines=0.2 mm.

PME-PME 0.83, PLE-PLE 1.90. Diameter of AME 0.63. Abdomen 4.25 long, 1.10 wide. Cheliceral length 1.10. Clypeal height 0.18. Length of leg segments: I 4.00+1.08+4.25+4.68+0.88; II 4.05+1.00+3.98+4.40+0.83; III 4.33+0.98+4.18+5.18+0.85; IV 4.60+0.85+4.25+6.03+1.03. Leg spination: I: Fm d 1-0-1-1, pr and rt 0-1-1; Pt d 1ap; Tb d 1-0-0-1, rt 0-0-1, v 2-2-2-2; Mt pr and rt 1-0-0, v 2-2-2ap. II: Fm d 0-1-1-1, pr and rt 0-0-1-1; Pt d 1ap; Tb d 1-0-0-1, pr and rt 1-1, v 2-0-2-2; Mt pr and rt 1-0-0, v 2-2-2. III: Fm d 0-1-1-1, pr and rt 0-0-1-1; Pt d 1ap; Tb d 1-0-0-1, pr 1-1-1, rt 1-0-1; Mt d 2-0-0, v 2-2-0. IV: Fm d 0-1-1-2, pr 0-1-0; Pt 1ap; Tb d 1-0-0-1, pr 1-1-1, rt 0-1-1; Mt d 2-0, pr and rt 1-1. Coloration (the specimen is rather faded): Carapace yellow, with black around eyes of second, third and fourth rows. Eye field lighter (bright yellow). Sternum yellowish. Maxillae, labium and chelicerae brownish yellow. Abdomen yellow-brown, each side with a wide longitudinal yellow band. Book-lung covers and spinnerets yellow, tinged with brown. All legs and palpi yellow, but femora I and II ventrally with wide longitudinal brown stripes; tibia I also slightly brownish in middle part of segment. Palpal structure as in Figs. 1–4.

***Lyssomanes nigropictus* Peckham, Peckham & Wheeler, 1889**

Material examined: 1 ♂ (SMNH), Brazil: Amazonas, Rio Autas, Sta Amelia, 19 August 1914, A. Roman.

Distribution: This species has so far been reported only from Brazil and Guyana (Galiano, 1980). For its redescription and diagnostic figures see Galiano (1962: pl. IV, figs. 1–3; 1980: figs. 28, 29).

***Lyssomanes tenuis* Peckham, Peckham & Wheeler, 1889**

Material examined: 1 ♂ (SMNH), Brazil: Amazonas, Taracua, 7 April 1924, A. Roman.

Distribution: This species has so far been reported only from Brazil (Galiano, 1980). For its redescription

and diagnostic figures see Galiano (1962: pl. VI, figs. 4–6; 1980: figs. 8–9).

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