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## New species of *Lachesilla* Westwood in the *pedicularia* group (Psocodea: ‘Psocoptera’: Lachesillidae) from the Colombian Amazonia

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### Abstract

Two species of *Lachesilla*, in the *pedicularia* species group, from the Colombian Amazonia, are here described and illustrated. Also, a record of *L. asymmetriproctus* García Aldrete, for the Colombian Department of Putumayo is provided. An identification key to *Lachesilla* species in the *pedicularia* group with a single male clunial apophysis is presented, together with a diagnosis of this assemblage of species. A table is included indicating the distribution of *Lachesilla* species with one and two male clunial apophyses. The species treated in this paper constitute the first lachesillids known from the Department of Putumayo, Colombia.

**Key words:** taxonomy, Neotropics, Putumayo, Lachesillidae, Amazon basin

### Introduction

*Lachesilla* Westwood is the most species rich genus of ‘Psocoptera’, with over 309 described species (García Aldrete, unpublished); 38 Colombian species remain undescribed, mostly from the Department of Valle del Cauca (González *et al.*, 2013). The species of *Lachesilla* are presently grouped phenetically in 19 species groups (García Aldrete, 1974; 1982; 1986; 2010; 2011; García Aldrete & Mockford, 2011). The *pedicularia* species group (García Aldrete, 1974), with over 80 species, is the second richest group of the genus, with distribution mostly pantropical; in about one third of its species, the males have either one or two clunial apophyses. The species with one clunial apophysis are Neotropical, while those with two clunial apophyses (except for the cosmopolitan *L. pedicularia*) occur in the Aethiopian and Palearctic regions (García Aldrete, 2010). The known Neotropical species are found in the Peruvian Amazonia, and only two species occur in the Colombian Andean forests (García Aldrete *et al.*, 2013). In a ‘Psocoptera’ survey, being conducted in the Department of Putumayo, Colombia, two undescribed species of *Lachesilla* in the *pedicularia* group, with a single clunial apophysis were found, together with *L. asymmetriproctus* García Aldrete, previously known only from the Tambopata Reserved Zone, in the Peruvian Amazonia. The purpose of this paper is to describe and illustrate the new species, to present an identification key to the nine species of *Lachesilla* in the *pedicularia* group with a single male clunial apophysis, together with a diagnosis of this assemblage of species, and to provide the record of *L. asymmetriproctus* from the Putumayo Department.

### Material and methods

12 specimens were available for study; six males and two females were dissected in 80% ethanol, and their parts (head, right wings and legs, and genitals), were mounted on slides in Canada balsam. Color was recorded by placing whole specimens, before dissection, under a stereoscopic microscope, illuminated with cold white light, at 50X. Parts on the slides were measured, following standard procedures, and the illustrations were made from

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