

## Two new species of *Picicola* Clay & Meinertzhagen, 1938 (Phthiraptera: Philopteridae) from Piciformes (Bucconidae and Galbulidae) in Brazil

MICHEL P. VALIM<sup>1,2</sup> & PEDRO M. LINARDI<sup>1,2</sup>

<sup>1</sup>Laboratório de Ectoparasitos. Universidade Federal de Minas Gerais, Instituto de Ciências Biológicas, Departamento de Parasitologia. Av. Presidente Antônio Carlos, 6627, Pampulha, Belo Horizonte – MG, Brazil CEP. 31270–901. E-mail: mpvalim@hotmail.com; linardi@icb.ufmg.br

<sup>2</sup>Bolsista do Conselho Nacional de Desenvolvimento Científico e Tecnológico / CNPq – Brazil

### Abstract

Two new species, *Picicola serrafreirei* and *Picicola galbulica*, are described and illustrated from specimens of lice collected from the white-eared puffbird (*Nystalus chacuru* (Vieillot, 1816)) and the rufous-tailed jacamar (*Galbula ruficauda* Cuvier, 1816) in Brazil. The morphological relationships of the two new species are discussed. *P. serrafreirei* is the second species of *Picicola* recorded from the avian family Bucconidae, while *P. galbulica* represents the first record from the Galbulidae.

**Keywords:** chewing lice, *Picicola*, Phthiraptera, Philopteridae, Piciformes, Bucconidae, Galbulidae, puffbird, jacamars

### Introduction

The genus *Picicola* (Ischnocera: Philopteridae) was described by Clay and Meinertzhagen (1938) and includes 39 named species of which 29 are considered valid by Price *et al.* (2003). These species have been recorded from members of the avian orders Piciformes (families Bucconidae and Picidae) and Passeriformes (families Dicruridae, Pittidae, Cracticidae, Furnariidae, Tyrannidae, Ptilonorhynchidae, Mimidae and Parulidae). The avian order Piciformes includes five families (Ramphastidae, Indicatoridae, Picidae, Galbulidae, Bucconidae) in which Dickinson (2003) recognizes a total of 398 species of which 139 (34.9%) are known to be parasitized by 85 species of chewing lice (Phthiraptera: Amblycera and Ischnocera), with 254 host/parasite associations (Price *et al.* 2003). Species from the Picidae were revised by Dalglish (1969) and those from the