

## Two new species of *Entomobrya* (Collembola, Entomobryomorpha) from the cave collembolan collection of Bonet from Asturias and Cantabria (north of Spain)

RAFAEL JORDANA\* & ENRIQUE BAQUERO

Department of Zoology and Ecology, University of Navarra. P.O. Box 177, 31080 Pamplona, Navarra, Spain.

E-mail: rjordana@unav.es; ebaquero@unav.es

\*Corresponding author.

### Abstract

Two new species of *Entomobrya* are described from two caves of Asturias and Cantabria (north of Spain). The specimens were found in the Bonet collembolan collection at the “Museo Nacional de Ciencias Naturales” of Madrid (Spain). *Entomobrya boneti* n. sp. was found in three slides containing 11, 4 and 1 specimens respectively, from the “Cueva del Castillo”, Puente el Viesgo (Santander). *Entomobrya luquei* n. sp. was found in a slide with 11 specimens from “Cueva de Cuetu-Lledías”, Llanes (Asturias). The species are described considering a set of 39 morphological and chaetotaxy characters. Both species appear to be troglophiles by the pigment reduction, although there are no other troglomorphic characters present. The gut content is composed of organic matter and fungus spores.

**Key words:** Collembola, Entomobryomorpha, Entomobryidae, *Entomobrya*, new species, cave fauna

### Introduction

While we were searching for species of *Entomobrya* “sensu lato” in different museums around Palaearctic region, we found two new species in the Bonet collection at the “Museo Nacional de Ciencias Naturales” of Madrid (Spain). These had been identified as *Entomobrya marginata*, and *Entomobrya multifasciata* by Bonet: three slides contained a total of 17 specimens collected by Benítez in “Cueva del Castillo”, Puente el Viesgo (Santander), while another slide was prepared with 11 specimens collected by C. Cardín in the “Cueva de Cuetu-Lledías”, Llanes (Asturias).