

A list of the fleas (Siphonaptera) of Mexico with new host and distribution records

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Abstract

A total of 163 species (including subspecies) of fleas represented by 51 genera, are documented in the Republic of Mexico. Nineteen new records from ten states and six new host records are reported. *Orchopeas intermedius* Hubbard and *Stenoponia americana* (Baker) are recorded for the first time in the country. Fifty per cent (16) of the 32 states in Mexico have 11 or fewer published records. *Euhoplopsyllus glacialis affinis* (Baker), collected in 1945, is the only flea species known from the state of Aguascalientes.

Key words: Siphonaptera, fleas, Mexico

Introduction

The first published checklist of fleas of Mexico was that of Vargas (1951), in which he recorded 61 species in 34 genera and 6 families. Morales-Muciño & Llorente-Bousquets (1986) provided additional records along with new localities and hosts, increasing the total number to 143 species. Their checklist was revised by Ponce & Llorente-Bousquets (1996), who listed 136 species and discussed faunistic and public health implications of some species. The objectives of the current work are to present new, unpublished records and to update the comprehensive list provided by Ponce & Llorente-Bousquets (1996).

Materials and methods

Mexican records herein provided are based partially on specimens in the “Colección de Artrópodos con Importancia Médica” from Instituto de Diagnóstico y Referencia