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A catalogue of the Fanniidae (Diptera) of the Neotropical Region

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Abstract

The Fanniidae (Diptera) of the Neotropical Region are catalogued. Two genera and 75 valid species are listed, with references to original descriptions, location of types, geographic distribution, and subsequent taxonomic and applied literature. *Mesazelia trichopoda* Blanchard, 1942 is a new synonym of *Anthomyia pusio* Wiedemann, 1830.

Key words: Catalogue, Diptera, Fanniidae, Neotropical

Introduction

The Fanniidae are a small family of Calyptrate Diptera found in all biogeographic regions, though more speciose in the Holarctic. Four genera and some 285 species are currently recognized.

Until quite recently the Fanniidae have been ranked as a tribe or subfamily of the Muscidae. However, several characters suggest that the family is the most primitive group of the Calyptrate series. Adults can be recognized by the very short vein A_1+CuA_2 and the smooth, non-sinuous, course of subcostal vein; a true dorsal seta on hind tibia in submedian position; male mid legs usually modified on ventral surfaces, with erect mats of hairs, spines, emarginations or tubercles; female fronto-orbital plates broad, inner margins convex, and frontal vitta narrowest at middle of frons, proclinate orbital setae absent, crossed setae on frontal vitta absent. Eggs elongate-oval, with a pair of laterodorsal flanges or wings; surface smooth and longitudinally ribbed except between the wings. Larvae highly characteristic, dorso-ventrally flattened and with numerous ornate or simple processes arising laterally and sometimes dorsally from the segments; cuticle thick and coarsely

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