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## The type specimens of Calyptratae (Diptera) housed in non-traditional institutions in Argentina

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### Abstract

The type material of species of Calyptratae Diptera belonging to Anthomyiidae, Calliphoridae, Fanniidae, Muscidae, Sarcophagidae, and Tachinidae, housed in the collections of non-traditional institutions in Argentina were examined. These collections were included in the recently created “Sistema Nacional de Datos Biológicos” (National Biological Data System). We examined four collections: “Administración Nacional de Laboratorios e Institutos de Salud ‘Dr. Carlos G. Malbrán’” (ANLIS), “Instituto Nacional de Tecnología Agropecuaria, Castelar, Buenos Aires” (INTA), “Instituto Argentino de Investigaciones de las Zonas Áridas” (IADIZA); and “Fundación Félix de Azara” (CFA). Comparison of the original descriptions of these species with the label information revealed the existence of 24 holotypes, 5 lectotypes, 11 syntypes, and 441 paratypes/paralectotypes. Complete information is given for each type, including reference to the original description, label data, and preservation condition.

**Key words:** Anthomyiidae, Argentina, Calliphoridae, Fanniidae, Muscidae, Sarcophagidae, Tachinidae

### Introduction

Biological collections housed in natural history museums and institutions are huge databases of biodiversity. These collections are used to document the results of scientific researches and as a source of information to generate new data and knowledge (Simmons & Muñoz-Saba 2005). The largest entomological collections of Argentina are housed in three institutions, the Museo Argentino de Ciencias Naturales “Bernardino Rivadavia” (MACN), and the Museo de La Plata (MLP), from Buenos Aires province; and the Fundación e Instituto “Miguel Lillo” (IFML), from Tucumán province. Such institutions have a continuing and long history of academic development and biological research, which reaches over 200 years for the MACN and over 100 years for the MLP, and for these reasons they are properly considered as “traditional institutions”. On the other hand, there are a wide variety of other institutions in Argentina very different from natural history museums according to their history, policies and objectives, such as institutes oriented to applied entomology, public health, pest control, or younger institutions devoted to biological research. Some of these non-traditional institutions possess small but valuable entomological collections.

In the last years, and in order to bring stability and allow the public access to these wide variety of biological data, the Ministry of Science, Technology and Innovation Production of Argentina, created the “Sistema Nacional de Datos Biológicos” (SNDB) <http://www.sndb.mincyt.gov.ar/> (National Biological Data System). The aim of SNDB is to form a unified database of biological information, from taxonomic, ecological, cartographic, bibliographic, ethnobiological, and natural resources; promote the exchange of information through a national network of data, and consolidate conditions for the maintenance records and collections management.

The compilation of the nominal species of Calyptratae and their types housed in Argentinean institutions has

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