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Catalog of type specimens of invertebrates in the collection of the Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil.

VI. Hexapoda: Hemiptera: Heteroptera

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Abstract

A catalog of type specimens of Heteroptera (Insecta: Hemiptera) deposited in the Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Brazil, is presented and updated to May, 2012. A total of 37 holotypes and 61 lots of paratypes of 78 species are listed in their families: Miridae and Reduviidae (infraorder: Cimicomorpha); Mesoveliidae and Veliidae (Gerromorpha); Belostomatidae, Naucoridae, and Notonectidae (Nepomorpha); and Coreidae, Geocoridae [the older sense of “Lygaeidae”], and Pentatomidae (Pentatomomorpha). The taxa are presented alphabetically by infraorders, families, and genera, followed by epithet, bibliographic citation, type category, collection number, method of preservation, and present data on the labels. When necessary, we added localities data, and changes in taxonomic status of some species.

Key words: Amazon region, INPA, list of type material, true bugs

Introduction

The Instituto Nacional de Pesquisas da Amazônia (INPA) contains one of the most important historical collections of invertebrates from the Amazonian region, and holds type material of more than 900 nominal species (Ribeiro *et al.* 2008). Published works on the type material from the Invertebrates Collection of the INPA were initiated in 1978, by Ratcliffe & Penny (1978b), two years after the formal establishment of this collection (Ratcliffe & Penny 1978a). Later, this list has been updated (Rafael *et al.* 1983); and others articles relating to specific groups were published (Adis *et al.* 1985; Magalhães *et al.* 1988; Henriques 1995; Hutchings *et al.* 2005). The article of Adis *et al.* (1985) also provides a list of types that should be in the INPA, but are not.

In recent years, a series of articles listing of all type material in this collection has been published, which are: I—Acanthocephala, Nematoda, and Rotifera (Magalhães & Pimpão 2006); II—Collembola, Diplura, Archaeognatha, Ephemeroptera, and Blattaria (Ribeiro *et al.* 2008); III—Isoptera, Mantodea, Mecoptera, Orthoptera, Plecoptera, Trichoptera, and Zoraptera (Ribeiro *et al.* 2009); IV—Acari, Palpigradi, Pseudoscorpiones, Ricinulei, and Schizomida (Saturnino *et al.* 2009a); and V—Araneae, Opiliones, and Scorpiones (Saturnino *et al.* 2009b). Continuing this series, and according to the Recommendation 72F.4 of the International Code of Zoological Nomenclature, this paper provides an updated and more detailed analysis of the Heteroptera types deposited in the Collection of Invertebrates of the INPA. In addition, we mention the current location of some Nepomorpha types that not were found by Adis *et al.* (1985).

Material and methods

The information given for each species was taken from labels, and when necessary, corrected with original description or published articles. In this list, the names of infraorders, families, genera, and species are presented in alphabetical order.