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The Hemiptera type-material housed in the “Museu de Ciências Naturais, Fundação Zoobotânica do Rio Grande do Sul” of Porto Alegre, Brazil

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Abstract

We provide a commented and referenced list on the type material deposited in the “Museu de Ciências Naturais, Fundação Zoobotânica do Rio Grande do Sul”, Porto Alegre, Brazil. Geographic coordinates are available on a digital repository for free access. High-resolution images of the specimens are available under request.

Key words: Auchenorrhyncha, Heteroptera, holotype, MCNZ, paratypes

Introduction

Scientific collections have long been considered essential for taxonomists and systematists. More recently, their role on ecological and environmental sciences or on applied areas, as public health and pest management, has also been highlighted (Suarez & Tsusui, 2004). Even small collections can have high impact on taxonomic literature. Recently, using some metrics applied to evaluate researchers, the impact of these collections on scientific literature was comparable to a Nobel prized physicist (Winker & Withrow, 2013).

The “Museu de Ciências Naturais, Fundação Zoobotânica do Rio Grande do Sul” (MCNZ) was founded in 1955, under the name of “Museu Riograndense de Ciências Naturais” (former acronym: MRCN). This collection holds mainly, but not exclusively, material from the southern, subtropical Brazil. A significant part of the type collection is composed by hemipterans, especially Pentatomoidea described by Jocélia Grazia, Miriam Becker and collaborators. Nowadays, the MCNZ has a total of 250 type specimens of 64 species names of Hemiptera.

During the revision of this material, we considered useful to provide details of this collection to taxonomists interested in Neotropical hemipterans. We also found some longtime incongruences between original descriptions and label data, which are commented.

Material and methods

We provide the transcription of each label between square brackets; comments on the conditions of material or data incongruences are presented below each name. Paratypes with the same labels are grouped, with the respective collection numbers between brackets. Loaned material (LND) has data transcribed as in the original article, because we could not check labels. Material that should have been deposited but it was not by any reason is indicated with (NDM), and the data also transcribed as in the literature. Male specimens are listed before females, and the paratype's labels were organized by collection date. Updated toponyms and geographic coordinates obtained using Google Earth are available in a spreadsheet at Dryad Digital Depository, <http://doi.org/10.5061/dryad.h7v76>. High-resolution images of the type specimens, in different views, are available under request,