

## **An annotated catalog of types of Neotropical Pierinae (Lepidoptera: Pieridae) in the collection of the National Museum of Natural History, Smithsonian Institution, Washington DC**

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### **ABSTRACT**

A catalog of the type material of 59 taxa of Neotropical Pierinae housed in the National Museum of Natural History, Smithsonian Institution, Washington, DC, is presented. Each entry includes the species-group name, the original combination quoted from the original publication, the type locality, the type specimens with their labels, and notes about current taxonomic status. One new synonym has been established, *Euterpe dysoni* Doubleday, 1847 = *Leodonta marginata* Schaus, 1902. Lectotypes are designated for 5 species group taxa: *Archonias intermedia* Schaus, 1913, *Hesperocharis jaliscana* Schaus, 1898, *H. paranensis* Schaus, 1898, *Pieris sublineata* Schaus, 1902, and *P. limona* Schaus, 1913.

**Key words:** *Anthocharis*, *Catasticta*, *Charonias*, *Euchloe*, *Ganyra*, *Hesperocharis*, *Hypsochila*, *Infraphulia*, *Leodonta*, *Piercolias*, *Pierphulia*, *Phulia*, synonymy, *Tatochila*, taxonomy

### **INTRODUCTION**

The application of scientific names depends upon the ability to recognize name-bearing species group types (holotypes, lectotypes, syntypes). Publishing lists of these types housed at institutions is recommended (ICZN, 1999: 72F.4). The National Museum of Natural History, Smithsonian Institution, Washington DC (USNM) (Pl. 1: Fig. 1) is a depository of one of the largest and most important collections of Neotropical Lepidoptera, including butterflies. Here the butterfly collection forms a considerable part of the Department of Entomology collections and is stored in metal cabinets, each of which can hold 29 drawers (Pl. 1: Figs 2, 3).

This paper is a result of a research visit to USNM from 11 January–8 February 2005, and is similar in scope to a previous study on the Neotropical Pierinae types in the Muséum National d'Histoire Naturelle (Abadjiev, 2005). Examination of the butterfly