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## Illustrated catalogue of Neotropical Ctenuchina, Euchromiina and Pericopina types (Lepidoptera, Erebidae, Arctiinae, Arctiini) described by Hans Zerny, with discussion on their taxonomic status

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### Abstract

The type material of 54 names of Ctenuchina, Euchromiina and Pericopina proposed by Hans Zerny are treated. Of these, the material belonging to 43 of the 54 names, represented by 118 specimens, are deposited at the Naturhistorisches Museum Wien (NHMW). The remaining are at the BMNH, NMNH, ZMHB or the ZSM, except for one of the species, which material was not traced. Comments on each name and its current taxonomic status, illustrations of holotypes and lectotypes, as well as information about their conservation status are provided. Lectotypes are designated for 23 of the taxa, and two **new synonyms** are proposed *Eucyane variabilis flavofasciata* and *E. variabilis roseofasciata* (= *Hypocrita variabilis variabilis*). Additionally, nine names have their taxonomic status changed: *Correbia columbiana* **stat. nov.**, *Autochlois jordani* **comb. nov.**, *Chrostosoma exomelan* **comb. nov.**, *C. flavothoracides* **comb. nov.**, *C. pseudothia* **comb. nov.**, *C. xanthomelan* **comb. nov.**, *Ecdemus imbecillus* **comb. nov.**, *Pseudomya clandestina* **comb. nov.**, and *Uranophora felderi*, **comb. nov.** Illustrations of the genitalia of some of the species are also provided.

**Key words:** Lectotype designation, new combination, new status, NHMW, taxonomy, type specimens

### Introduction

Hans Zerny (1887–1945) was an Austrian entomologist who graduated in Zoology from the University of Vienna. He began to work at the Naturhistorisches Museum Wien (NHMW) in 1912, as curator of the collections of Neuroptera, Odonata, and Diptera (Pittioni 1948), even though his primary interest was always the Lepidoptera. Although his earliest publications dealt with the biology of these insects (Zerny 1910a, b), the majority of his contributions were directed to the knowledge of local faunas. Most of these publications treated European Lepidoptera, however he also wrote on moths and butterflies from North Africa, Asia and South America (full bibliography by Pittioni 1948), and was the author of Part 7 (Syntomidae) in the Lepidopterorum Catalogus series (Zerny 1912a).

Zerny's interest in South American moths was mainly directed to the Syntomidae, currently classified within two subtribes of Erebidae, Arctiinae, Arctiini: Ctenuchina and Euchromiina (Zahiri *et al.* 2010). This interest increased in 1923, when he received duplicates from a sample of these moths from Gottfried Hagmann for identification (Hagmann 1938). Hagmann was a Swiss naturalist living in Pará, Brazil, who worked at the Museu Paraense, today called the Museu Paraense Emílio Goeldi. As was usual in those times, Hagmann worked with many zoological groups (for more information consult Papavero & Overall 2011), but he was particularly impressed with the discovery of the power of attraction that a plant—*Heliotropium indicum* L.—had on the moths then known as Syntomidae.

Zerny also became very interested in this phenomenon, and in 1927 embarked to Brazil together with Dr. August Ginzberger (a botanist) and his wife, Agathe Ginzberger, to join Hagmann in a collecting trip to Fazenda

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