Onciderini Thomson, 1860 (Coleoptera: Cerambycidae: Lamiinae) types of the Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin (ZMHB)

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Abstract. The primary types of Onciderini Thomon, 1860 (Coleoptera: Cerambycidae: Lamiinae) of the Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin (ZMHB), Germany, are catalogued and illustrated. Data on the original combination, current name, gender, and type locality are verified and presented. There are 16 primary types of Onciderini including four in Oncideres Lacordaire, 1830 and three in Trestonia Buquet, 1859. Of the 16 primary types, seven were described by Ubirajara R. Martins, four by Wilhelm Ferdinand Erichson, and three by Ernst Friedrich Germar.

Key words. Catalog, holotypes, Neotropical.

Introduction

The tribe Onciderini Thomon, 1860 (Cerambycidae) is one of the largest tribes of the subfamily Lamiinae Latreille, 1825, with 82 genera and nearly 520 described species widely distributed in the New World from North America to southern South America (Monné 2019; Tavakilian and Chevillotte 2019). Nearns and Swift (2011) provided a brief overview of the tribe and recent work by Nearns and collaborators has resulted in the description of five new genera and 36 new species, several synonymies, and dozens of new country records (e.g., Nearns and Tavakilian 2015).

In this work, we present the 16 primary types of Onciderini deposited at the Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin (ZMHB), Germany (Fig. 17–18). Among these are four in Oncideres Lacordaire, 1830 and three in Trestonia Buquet, 1859. Nearly half (7 of 16) of the primary types were described by Ubirajara R. Martins (1932–2015), four by Wilhelm Ferdinand Erichson (1809–1848), and another three by Ernst Friedrich Germar (1786–1853). A brief history of the ZMHB Coleoptera collection was provided by Müller et al. (2001) and Jaeger and Uhlig (2010).

Materials and Methods

Type specimens are listed in alphabetical order by original combination. The text for each primary type is arranged as follows: the first line contains the original combination, author, year, and page number. This is followed by the figure number of the dorsal habitus and label images if available. The second line is the kind of type (holotype, lectotype, or neotype) and gender if known. The third line is the type locality to the most specific level possible based on the label data, literature, and other data. Country and province/state are listed in most cases, even if these data are not present on the label or in the original literature. The fourth line is the current name, if different from the original combination, based on Bezark (2019), Monné (2019), and Tavakilian and Chevillotte (2019). In some instances, there is a “Remarks” section where additional information such as inconsistencies with the label(s), or other
applicable historical information is presented. Details concerning specimens and label data can be seen in Fig. 1–16. Many of the photographs were taken with Visionary Digital’s Passport Storm imaging system fitted with a Canon EOS 4D or 5D.

Primary Types of Onciderini Thomson, 1860

_Bucoides erichsoni_ Martins, 1979: 150 (Fig. 1a, b)
Holotype, female
_Type locality._ Ecuador, Bolívar: Balzapamba

_Bucoides exotica_ Martins and Galileo, 1990: 66 (Fig. 2a, b)
Holotype, female
_Type locality._ Brazil, Rio de Janeiro: Nova Friburgo

_Carenesycha carenata_ Martins and Galileo, 1990: 79 (Fig. 3a, b)
Holotype, female
_Type locality._ Ecuador, Santa Inés

_Euthima wendtae_ Martins, 1979: 151 (Fig. 4a, b)
Holotype, female
_Type locality._ Peru, Pasco: Oxapampa (Pozuzo)
_Current name._ *Euthima variegata* (Aurivillius, 1921)

_Hesychotypa punctata_ Martins, 1979: 153 (Fig. 5a, b)
Holotype, male
_Type locality._ Ecuador, Bolivar: Balzapamba
_Remarks._ A second (larger, green) label states “Bras.” indicating Brazil. Martins (1979) stated that the type was from Ecuador, and currently this species is known only from Ecuador and Peru, so it is suspected that the extra label indicating “Bras.” was incorrectly affixed.

_Hypselomus crudus_ Erichson, 1847: 148 (Fig. 7a, b)
Holotype, female
_Type locality._ Peru
_Current name._ *Tulcus crudus* (Erichson, 1847)
_Remarks._ Erichson (1847) indicated that the type locality is in the area of Peru east of the Andes.

_Hypselomus egens_ Erichson, 1847: 148 (Fig. 6a, b)
Holotype, female
_Type locality._ Peru
_Current name._ *Furona egens* (Erichson, 1847)
_Remarks._ Erichson (1847) indicated that the type locality is in the area of Peru east of the Andes.

_Lamia albisparsa_ Germar, 1823: 477 (Fig. 8a, b)
Lectotype, male
_Type locality._ Brazil
_Current name._ *Neodillonia albisparsa* (Germar, 1823)
_Remarks._ Lectotype designated by Nearns and Tavakilian (2015).

_Lamia impluviata_ Germar, 1823: 483 (Fig. 9a, b)
Lectotype, female
_Type locality._ Brazil
_Current name._ *Oncideres impluviata* (Germar, 1823)
_Remarks._ Lectotype designated by Nearns and Tavakilian (2015).

_Lamia ulcerosa_ Germar, 1823: 482 (Fig. 10a, b)
Lectotype, male
Figures 1–6. Six species of Onciderini. Fig. 1. Bucoides erichsoni Martins (a, dorsal habitus; b, labels). Fig. 2. Bucoides exotica Martins and Galileo (a, dorsal habitus; b, labels). Fig. 3. Carenesycha carenata Martins and Galileo (a, dorsal habitus; b, labels). Fig. 4. Euthima wendtae Martins (a, dorsal habitus; b, labels). Fig. 5. Hesychotypa punctata Martins (a, dorsal habitus; b, labels). Fig. 6. Hypselomus egens Erichson (a, dorsal habitus; b, labels).
Figures 7–12. Six species of Onciderini. Fig. 7. *Hypselomus crudus* Erichson (a, dorsal habitus; b, labels). Fig. 8. *Lamia albisparsa* Germar (a, dorsal habitus; b, labels). Fig. 9. *Lamia impluviata* Germar (a, dorsal habitus; b, labels). Fig. 10. *Lamia ulcerosa* Germar (a, dorsal habitus; b, labels). Fig. 11. *Oncideres birai* Nearns and Tavakilian (a, dorsal habitus; b, labels). Fig. 12. *Oncideres frontalis* Erichson (a, dorsal habitus; b, labels).
Type locality. Brazil

Current name. *Oncideres ulcerosa* (Germar, 1823)


*Oncideres birai* Nearns and Tavakilian, 2015: 94 (Fig. 11a, b)
Holotype, female
Type locality. Peru, Rio Urubamba, La Merced, Chanchamayo

*Oncideres frontalis* Erichson, 1847: 148 (Fig. 12a, b)
Holotype, female
Type locality. Peru
Current name. *Trestonia frontalis* (Erichson, 1847)
Remarks. Gender confirmed for first time via examination of holotype specimen by EHN.

*Paraclytemnestra gigantea* Breuning, 1974: 240 (Fig. 13a, b)
Holotype, female
Type locality. Antilles
Current name. *Jamesia lineata* Fisher, 1926
Remarks. Gender confirmed for first time via examination of holotype specimen by EHN.

*Proplerodia goyana* Martins and Galileo, 1990: 67 (Fig. 14a, b)
Holotype, male
Type locality. Brazil, Goiás: Jataí

*Trachysomus faunus* Erichson, 1847: 148 (Fig. 15a, b)
Holotype, male
Type locality. Peru
Current name. *Ecthoea quadricornis* (Olivier, 1795)
Remarks. Gender confirmed for first time via examination of holotype specimen by EHN.

*Trestonia fasciata* Martins and Galileo, 1990: 87 (Fig. 16a, b)
Holotype, female
Type locality. Colombia, Magdalena

Note on an additional Onciderini Thomson, 1860

*Saperda capreola* Germar, 1823: 492
Holotype, gender unknown
Type locality. Brazil
Current name. *Trestonia capreola* (Germar, 1823)
Remarks. This specimen is not found in the ZMHB collection.

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Figures 13–18. Four species of Onciderini and photographs of ZMHB collection. Fig. 13. Paracytmemnestra gigantea Breuning (a, dorsal habitus; b, labels). Fig. 14. Proplerodia goyana Martins and Galileo (a, dorsal habitus; b, labels). Fig. 15. Trachysomus faunus Erichson (a, dorsal habitus; b, labels). Fig. 16. Trestonia fasciata Martins and Galileo (a, dorsal habitus; b, labels). Fig. 17. Main entrance to ZMHB, March 2014. Fig. 18. Example of cabinet in Cerambycidae collection.
Literature Cited


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