

***Oncideres* Serville (Coleoptera: Cerambycidae) Key to Too Few: 34 Species Lost**

Author(s): Annette Aiello

Source: *The Coleopterists Bulletin*, 69(1):60-60.

Published By: The Coleopterists Society

DOI: <http://dx.doi.org/10.1649/0010-065X-69.1.60>

URL: <http://www.bioone.org/doi/full/10.1649/0010-065X-69.1.60>

BioOne (www.bioone.org) is a nonprofit, online aggregation of core research in the biological, ecological, and environmental sciences. BioOne provides a sustainable online platform for over 170 journals and books published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Web site, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/page/terms_of_use.

Usage of BioOne content is strictly limited to personal, educational, and non-commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

SCIENTIFIC NOTE

***ONCIDERES* SERVILLE (COLEOPTERA: CERAMBYCIDAE) KEY TO TOO FEW: 34 SPECIES LOST**

ANNETTE AIELLO
Smithsonian Tropical Research Institute
Apartado 0843-03092 Balboa, Ancón
Panamá, PANAMA
aielloa@si.edu

This note was prompted by failed attempts to identify a small species of *Oncideres* Serville using the key in Dillon and Dillon (1946). Only by abandoning the key and comparing the specimen with the illustrations and their associated descriptions was it possible to identify the beetle, *Oncideres minuta* Thomson, 1868.

So, why did the key not work? To figure that out, I followed the key backwards from *O. minuta* at couplet 57, to 56, to 55, and to couplet 54, at which point the trail went cold. The number 54 did not appear anywhere else in the key. Obviously, there was an error somewhere that resulted in a section of the key being isolated from the rest.

To find out what had gone awry, and to detect possible additional difficulties, I rearranged the key in indented form, as is the custom in botany. That exercise revealed two number errors: in triplet 3, 3b should go to 13, not to 12; and in couplet 40, 40b should go to 54, not to 47.

The error of 12 instead of 13 severs 15 species from the key (*Oncideres albomaculata* Dillon and Dillon, *Oncideres argentata* Dillon and Dillon, *Oncideres bouchardi* Bates, *Oncideres cephalotes* Bates, *Oncideres chevrolatii* Thompson, *Oncideres dejeani* Thompson, *Oncideres fulvoguttata* Dillon and Dillon, *Oncideres gemmata* Dillon and Dillon, *Oncideres germarii* Thompson, *Oncideres irrorata* Melzer, *Oncideres limpida* Bates, *Oncideres miniata* Thompson, *Oncideres multicincta* Dillon and Dillon, *Oncideres saga* Dalman, and *Oncideres sobrina* Dillon and Dillon). The error of 47 instead

of 54 orphans 19 more (*Oncideres aegrota* Thompson, *Oncideres bondari* Melzer, *Oncideres canidia* Dillon and Dillon, *Oncideres castanea* Dillon and Dillon, *Oncideres digna* Bates, *Oncideres fisheri* Dillon and Dillon, *Oncideres fulvostillata* Bates, *Oncideres guttulata* Thompson, *Oncideres humeralis* Thompson, *O. minuta*, *Oncideres ocellaris* Bates, *Oncideres pectoralis* Thompson, *Oncideres philosipes* Dillon and Dillon, *Oncideres poecila* Bates, *Oncideres pustulata* LeConte, *Oncideres putator* Thompson, *Oncideres schreiteri* Bruch, *Oncideres senilis* Bates, and *Oncideres voetii* Thompson), for a total of 34 species inaccessible to users of the key. As published, the key works for 38 of the 72 species covered. Users should be alert to the possibility of similar errors in other keys in that work.

A corrected and indented version of the key is available online at coleopsoc.org/supplement/Aiello_2014_Supplement.pdf on The Coleopterists Society website. To smooth the indented key's functioning, and when possible keep members of a couplet together, nine intra-couplet switches (1, 9, 33, 37, 48, 49, 54, 68, and 69) were made.

REFERENCE CITED

Dillon, L. S., and E. S. Dillon. 1946. The Tribe Onciderini (Coleoptera: Cerambycidae). Part II. Scientific Publications, Reading Public Museum and Art Gallery 6: 189–413.

(Received 4 September 2014; accepted 13 October 2014. Publication date 18 March 2015.)