

ZOOTAXA

1832

**An essay on the tribe Xylographellini
(Coleoptera: Tenebrionoidea: Ciidae)**

CRISTIANO LOPES-ANDRADE



Magnolia Press
Auckland, New Zealand

CRISTIANO LOPES-ANDRADE

An essay on the tribe Xylographellini (Coleoptera: Tenebrionoidea: Ciidae)

(*Zootaxa* 1832)

110 pp.; 30 cm.

30 July 2008

ISBN 978-1-86977-241-3 (paperback)

ISBN 978-1-86977-242-0 (Online edition)

FIRST PUBLISHED IN 2008 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2008 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)



An essay on the tribe Xylographellini (Coleoptera: Tenebrionoidea: Ciidae)

CRISTIANO LOPES-ANDRADE

Programa de Pós-Graduação em Entomologia, Departamento de Biologia Animal, Universidade Federal de Viçosa, 36570-000, Viçosa, MG, Brasil; e-mail: ciidae@gmail.com

Table of contents

Abstract	4
Resumo	4
Resúmen	4
Introduction	5
Material and Methods	5
Tribe Xylographellini Kawanabe & Miyatake, 1996 (Figs 1–159)	9
Identification key to the subtribes and genera of Xylographellini	9
Subtribe Xylographellina Kawanabe & Miyatake, 1996 (Figs 1–6, 9–10, 13–135, 159)	9
Xylographella Miyatake, 1985 (Figs 5, 9, 13–26)	10
Identification key to the species of Xylographella Miyatake	10
Xylographella punctata Miyatake, 1985 (Figs 5, 9, 13–15, 19, 21A, 22A, 23–24, 26)	11
Xylographella speciosa Lopes-Andrade sp. nov. (Figs 16–18, 20, 21B, 22B, 25–26)	11
Scolytocis Blair, 1928 (Figs 1–4, 6, 10, 27–135)	12
Identification keys to the species of Scolytocis Blair	14
Northern Neotropical species of Scolytocis Blair	16
Scolytocis bouchardi Lopes-Andrade sp. nov. (Figs 27–29, 54, 63A, 66A, 69, 80)	16
Scolytocis cariborum Lopes-Andrade sp. nov. (Figs 30–32, 55, 63B, 66B, 70, 81)	17
Scolytocis danielssoni Lopes-Andrade sp. nov. (Figs 33–35, 56, 63C, 66C, 80)	19
Scolytocis difficillimus Lopes-Andrade sp. nov. (Figs 36–38, 57, 64A, 67A, 71, 80)	20
Scolytocis howdeni Lopes-Andrade sp. nov. (Figs 39–41, 58, 64B, 67B, 72, 80)	21
Scolytocis indecisus Lopes-Andrade sp. nov. (Figs 42–44, 59, 64C, 67C, 73, 80)	22
Scolytocis kiskeyensis Lopes-Andrade sp. nov. (Figs 45–47, 60, 65A, 68A, 74–76, 81)	24
Scolytocis lawrencei Lopes-Andrade sp. nov. (Figs 48–50, 61, 65B, 68B, 77–78, 80)	25
Scolytocis panamensis Lopes-Andrade sp. nov. (Figs 51–53, 62, 65C, 68C, 79, 80)	27
Southern Neotropical species of Scolytocis Blair	28
Scolytocis fritzplaumanni Lopes-Andrade sp. nov. (Figs 82–84, 91, 94A, 95A, 96–97, 101)	28
Scolytocis furieriae Lopes-Andrade sp. nov. (Figs 10, 85–87, 92, 94B, 95B, 98, 101)	29
Scolytocis paschoali Lopes-Andrade sp. nov. (Figs 1–4, 88–90, 93, 94C, 95C, 99–101)	31
Indo-Malayan, Australasian and Oceanic species of Scolytocis Blair	32
Scolytocis malayanus Lopes-Andrade sp. nov. (Figs 102–104, 120, 126A, 128A, 130, 134)	32
Scolytocis novaezealandiae Lopes-Andrade sp. nov. (Figs 105–107, 121, 126B, 128B, 135)	33
Scolytocis philippinensis Lopes-Andrade sp. nov. (Figs 108–110, 122, 126C, 128C, 131, 134)	35
Scolytocis samoensis Blair, 1928	36
Scolytocis thayerae Lopes-Andrade sp. nov. (Figs 111–113, 123, 127A, 129A, 132, 134)	36
Scolytocis weneri Lopes-Andrade sp. nov. (Figs 114–116, 124, 127B, 129B, 133, 134)	37
Scolytocis zimmermani Lopes-Andrade sp. nov. (Figs 117–119, 125, 127C, 129C, 135)	39
Syncosmetina Lopes-Andrade subtr. nov. (Figs 7–8, 11–12, 136–159)	40
Syncosmetus Sharp, 1891 (Figs 11, 113–122)	40
Identification key to the species of Syncosmetus Sharp	40
Syncosmetus japonicus Sharp, 1891 (Figs 11, 136–138, 142A, 143A, 144–145)	41
Syncosmetus reticulatus Miyatake, 1985 (Figs 7, 139–141, 142B, 143B, 145)	41
Tropicis Scott, 1926 (8, 12, 146–158)	42

Identification key to the species of <i>Tropicis</i> Scott	42
<i>Tropicis brevicarinatus</i> Scott, 1926	42
<i>Tropicis cuccodoroi</i> Lopes-Andrade sp. nov. (Figs. 146–148, 152, 154A, 155A, 156, 158)	42
<i>Tropicis flexicarinatus</i> Scott, 1926	44
<i>Tropicis sexcarinatus</i> (Waterhouse, 1876) (Figs 8, 12, 149–151, 153, 154B, 155B, 157–158)	44
Discussion	45
Acknowledgements	49
References	49

Abstract

The tribe Xylographellini is redefined and three genera are formally transferred to it: *Scolytocis* Blair, to the subtribe Xylographellina; *Syncosmetus* Sharp and *Tropicis* Scott, to the subtribe Syncosmetina **subtr. nov.** The genus *Scolytocis* is redescribed and diagnoses are provided for the other genera of the tribe. Twenty new species are described: *Xylographella speciosa* **sp. nov.**; *Scol. bouchardi* **sp. nov.**; *Scol. cariborum* **sp. nov.**; *Scol. danielssoni* **sp. nov.**; *Scol. difficillimus* **sp. nov.**; *Scol. fritzplaumanni* **sp. nov.**; *Scol. furieriae* **sp. nov.**; *Scol. howdeni* **sp. nov.**; *Scol. indecisus* **sp. nov.**; *Scol. kiskeyensis* **sp. nov.**; *Scol. lawrencei* **sp. nov.**; *Scol. malayanus* **sp. nov.**; *Scol. novaezelandiae* **sp. nov.**; *Scol. panamensis* **sp. nov.**; *Scol. paschoali* **sp. nov.**; *Scol. philippinensis* **sp. nov.**; *Scol. thayerae* **sp. nov.**; *Scol. weneri* **sp. nov.**; *Scol. zimmermani* **sp. nov.**; and *Trop. cuccodoroi* **sp. nov.** A key to the subtribes and genera of Xylographellini is provided, as well as keys to the species of *Scolytocis*, *Syncosmetus*, *Tropicis* and *Xylographella* Miyatake. The taxonomic limits and geographic distribution of the tribe, its subtribes and genera are discussed in light of the new data provided here. The morphological similarities between Xylographellini and Orophini are briefly discussed.

Key words: Ciidae, Xylographellini, new subtribe, new species, Oriental, Afrotropical, Neotropical

Resumo

A tribo Xylographellini é redefinida e três gêneros são formalmente transferidos para ela: *Scolytocis* Blair, para a subtribo Xylographellina; *Syncosmetus* Sharp e *Tropicis* Scott, para a subtribo Syncosmetina **subtr. nov.** O gênero *Scolytocis* é redescrito e diagnoses são fornecidas para os outros gêneros da tribo. Vinte espécies novas são descritas: *Xylographella speciosa* **sp. nov.**; *Scol. bouchardi* **sp. nov.**; *Scol. cariborum* **sp. nov.**; *Scol. danielssoni* **sp. nov.**; *Scol. difficillimus* **sp. nov.**; *Scol. fritzplaumanni* **sp. nov.**; *Scol. furieriae* **sp. nov.**; *Scol. howdeni* **sp. nov.**; *Scol. indecisus* **sp. nov.**; *Scol. kiskeyensis* **sp. nov.**; *Scol. lawrencei* **sp. nov.**; *Scol. malayanus* **sp. nov.**; *Scol. novaezelandiae* **sp. nov.**; *Scol. panamensis* **sp. nov.**; *Scol. paschoali* **sp. nov.**; *Scol. philippinensis* **sp. nov.**; *Scol. thayerae* **sp. nov.**; *Scol. weneri* **sp. nov.**; *Scol. zimmermani* **sp. nov.**; e *Trop. cuccodoroi* **sp. nov.** Uma chave para as subtribos e gêneros de Xylographellini é fornecida, assim como chaves para as espécies de *Scolytocis*, *Syncosmetus*, *Tropicis* e de *Xylographella* Miyatake. Os limites taxonômicos e distribuição geográfica da tribo, subtribos e gêneros são discutidos a partir dos novos dados apresentados aqui. As similaridades morfológicas entre Xylographellini e Orophini são brevemente discutidas.

Palavras-chave: Ciidae, Xylographellini, nova subtribo, novas espécies, Oriental, Afrotropical, Neotropical

Resumen

Se redefine a la tribo Xylographellini y se transfieren a tres géneros hacia ella: *Scolytocis* Blair, a la subtribu Xylographellina; *Syncosmetus* Sharp y *Tropicis* Scott, a la subtribu Syncosmetina **subtr. nov.** Se redescubre al género *Scolytocis* y se presentan diagnosis para los otros géneros de la tribo. Se describen veinte nuevas especies: *Xylographella speciosa* **sp. nov.**; *Scol. bouchardi* **sp. nov.**; *Scol. cariborum* **sp. nov.**; *Scol. danielssoni* **sp. nov.**; *Scol. difficillimus* **sp. nov.**; *Scol. fritzplaumanni* **sp. nov.**; *Scol. furieriae* **sp. nov.**; *Scol. howdeni* **sp. nov.**; *Scol. indecisus* **sp. nov.**; *Scol. kiskeyensis* **sp. nov.**; *Scol. lawrencei* **sp. nov.**; *Scol. malayanus* **sp. nov.**; *Scol. novaezelandiae* **sp. nov.**; *Scol. panamensis* **sp. nov.**; *Scol. paschoali* **sp. nov.**; *Scol. philippinensis* **sp. nov.**; *Scol. thayerae* **sp. nov.**; *Scol. weneri* **sp. nov.**; *Scol. zimmermani* **sp. nov.**; y *Trop. cuccodoroi* **sp. nov.** Se presenta una clave para las subtribos y géneros de Xylographellini, y claves para las especies de *Scolytocis*, *Syncosmetus*, *Tropicis* y *Xylographella* Miyatake. Se discuten los límites taxonómicos y distribución geográfica de la tribo, sus subtribos y géneros, a partir de nuevos datos presentados en este trabajo. Las similitudes morfológicas entre Xylographellini y Orophini son presentadas y discutidas.