

# ZOOTAXA

1291

**Revision of the New World species of *Craspedochaeta*  
(Diptera: Clusiidae)**

OWEN LONSDALE & STEPHEN A. MARSHALL



Magnolia Press  
Auckland, New Zealand

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(*Zootaxa* 1291)

101 pp.; 30 cm.

14 Aug. 2006

ISBN 978-1-86977-028-0 (paperback)

ISBN 978-1-86977-029-7 (Online edition)

FIRST PUBLISHED IN 2006 BY

Magnolia Press

P.O. Box 41383

Auckland 1030

New Zealand

e-mail: [zootaxa@mapress.com](mailto:zootaxa@mapress.com)

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

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ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

## Revision of the New World species of *Craspedochaeta* (Diptera: Clusiidae)

OWEN LONSDALE<sup>1</sup> & STEPHEN A. MARSHALL<sup>2</sup>

*Insect Systematics Lab, Department of Environmental Biology, University of Guelph, Guelph, ON, N1G 2W1,  
Canada.*

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## Abstract

The New World species of *Craspedochaeta* Czerny, 1903 are revised and the first New World representative of the *C. biseta* group (*C. argoniae* **spec. nov.**) is described from Ecuador and Bolivia. Ten new species (*C. amazonensis* **spec. nov.**, *C. apsilutea* **spec. nov.**, *C. candida* **spec. nov.**, *C. chela* **spec. nov.**, *C. feminea* **spec. nov.**, *C. melanosoma* **spec. nov.**, *C. pacaraima* **spec. nov.**, *C. pollostos* **spec. nov.**, *C. protomis* **spec. nov.**, *C. weemsi* **spec. nov.**) are described from the *C. transversa* species group and eight new species (*C. biloba* **spec. nov.**, *C. brunneivibrissa* **spec. nov.**, *C. chauliodon* **spec. nov.**, *C. loreto* **spec. nov.**, *C. phaios* **spec. nov.**, *C. pullipleura* **spec. nov.**, *C. xanthonotum* **spec. nov.**, *C. zongo* **spec. nov.**) are described from the *C. concinna* species group. *Craspedochaeta basalis brasiliensis* Sóos, 1961 syn. nov. and *C. piceoflava* (Sóos, 1962) syn. nov. are synonymized with *Craspedochaeta annulipes* (Johnson, 1913) **comb. nov.**; *C. minuta* Sóos, 1962 syn. nov., *C. atra* (Kertész, 1903) **syn. nov.** and *C. albohalteria* Sóos, 1962 **syn. nov.**, are synonymized with *C. concinna* (Williston, 1896). *Craspedochaeta sasakawai* **nomen nov.** is provided as a replacement name for *C. pleuralis* (Curran, 1936), which is a junior homonym of *C. pleuralis* (Williston, 1896) **comb. nov.** Agonistic behaviour is recorded for the first time in *Craspedochaeta*, with photographs showing male-male interactions in the Bolivian species *C. pullipleura*. A key is provided for all 31 New World *Craspedochaeta* species and the relationships of the *C. concinna* and *C. transversa* groups are discussed on the basis of male and female morphological characters. Species of *Craspedochaeta* are recorded for the first time in North America, with *C. weemsi* found in Florida, *C. concinna* found in Florida and New Mexico, and *C. annulipes* found in Georgia, Maryland, Mississippi, North Carolina, and Texas.

**Key words:** Diptera, *Craspedochaeta*, Clusiidae, revision, New World, phylogeny, lekking