



## Convolutidae (Acoela) from Belize

JOHANNES G. ACHATZ<sup>1</sup>, MATTHEW D. HOOGE<sup>2</sup> & SETH TYLER<sup>3</sup>

Department of Biological Sciences, The University of Maine, 5751 Murray Hall, Orono, ME, 04469-5751, USA.

E-Mail: <sup>1</sup>johannes.achatz@umit.maine.edu, <sup>2</sup>hooge@umit.maine.edu, <sup>3</sup>styler@maine.edu

### Table of contents

Abstract .....	35
Introduction .....	36
Material and methods .....	36
Results .....	37
Family Convolutidae Graff, 1905 .....	37
Genus <i>Amphiscolops</i> Graff, 1904 .....	37
<i>Amphiscolops blumi</i> <b>sp. nov.</b> .....	37
Genus <i>Conaperta</i> Antonius, 1968 .....	41
<i>Conaperta antonii</i> <b>sp. nov.</b> .....	41
<i>Conaperta cirrata</i> <b>sp. nov.</b> .....	41
Genus <i>Convoluta</i> Ørsted, 1843 .....	49
<i>Convoluta lacrimosa</i> <b>nov. sp.</b> .....	49
Genus <i>Picola</i> Achatz & Hooge 2006 .....	53
<i>Picola caribbea</i> <b>sp. nov.</b> .....	53
Genus <i>Polychoerus</i> Mark, 1892 .....	57
<i>Polychoerus ebenhochi</i> <b>sp. nov.</b> .....	57
<i>Polychoerus parvus</i> <b>sp. nov.</b> .....	60
Reassignment of <i>Pseudohaplogonaria sutcliffei</i> (Haploposthiidae) to the genus <i>Convoluta</i> (Convolutidae) .....	65
Acknowledgments .....	65
References .....	65

### Abstract

Convolutidae from shallow marine sediments, including six new species from Belize are described: *Amphiscolops blumi* **sp. nov.**, *Conaperta antonii* **sp. nov.**, *Conaperta cirrata* **sp. nov.**, *Convoluta lacrimosa* **sp. nov.**, *Picola caribbea* **sp. nov.**, *Polychoerus ebenhochi* **sp. nov.**. A species from North Carolina previously identified as *Polychoerus caudatus* is herein described as new species, *Polychoerus parvus* **sp. nov.**

The species *Pseudohaplogonaria sutcliffei* (Haploposthiidae) is reassigned to the genus *Convoluta*.

**Key words:** Flatworms, Caribbean Sea, Turbellaria, meiofauna