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Revision of *Semiodera* Chamberlin, 1919 (Polychaeta: Flabelligeridae)

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Table of contents

Abstract	3
Introduction	4
Material and methods	5
Results	6
Systematics	6
Class Polychaeta Grube, 1850	6
Order Flabelligerida Pettibone, 1982	6
Family Flabelligeridae de Saint-Joseph, 1894	6
<i>Semiodera</i> Chamberlin, 1919 restricted	6
Key to boring flabelligerids	8
Key to species of <i>Semiodera</i> Chamberlin, 1919, redefined	9
<i>Semiodera caribea</i> (Grube & Ørsted in Grube, 1859) new spelling	9
<i>Semiodera blakei</i> n. sp.	12
<i>Semiodera cinari</i> n. sp.	14
<i>Semiodera curviseta</i> (Caullery, 1944) n. comb.	16
<i>Semiodera dubia</i> (Treadwell, 1929) n. comb.	18
<i>Semiodera glynni</i> n. sp.	21
<i>Semiodera inflata</i> (Treadwell, 1914) n. comb.	23
<i>Semiodera laevis</i> (Stimpson, 1856) n. comb.	27
<i>Semiodera mezianei</i> n. sp.	29
<i>Semiodera nishii</i> n. sp.	31
<i>Semiodera salazarae</i> n. sp.	33
<i>Semiodera tenera</i> (Grube, 1868) n. comb.	34
<i>Semiodera tovarae</i> n. sp.	36
<i>Semiodera villalobosi</i> n. sp.	41
<i>Daylithos</i> n. gen.	42
Key to species of <i>Daylithos</i> n. gen.	43
<i>Daylithos parmatus</i> (Grube, 1877) n. comb., restricted	44
<i>Daylithos amorae</i> n. sp.	48
<i>Daylithos cinctus</i> (Haswell, 1892) n. comb.	50
<i>Daylithos dieteri</i> n. sp.	52
<i>Daylithos iris</i> (Michaelsen, 1892) n. comb.	54
<i>Daylithos nudus</i> (Caullery, 1944) n. comb.	56
Acknowledgements	58
References	58

Abstract

Some flabelligerid bodies are modified into a thick thorax and a long, thinner abdomen, or cauda; the thorax usually has some sediment particles cemented forming a dorsal shield, and these flabelligerids have been found boring into consolidated sediments or calcareous substrates. Two species, *Pherusa inflata* (Treadwell, 1914) and *P. parmata* (Grube, 1877), are frequently recorded from many different environmental conditions and localities. The study of all type or non-type materials of similar flabelligerids had several results: 1) The species with bodies modified into thorax and cauda, usually carrying a dorsal shield, are removed from *Pherusa* Oken, 1807; 2) Two body patterns are recognized on the basis of the type of neurochaetae in transitional chaetigers (3–5), and on the development of the caudae; 3) *Semiodera* Chamberlin, 1919 is redefined to include species with a dorsal shield variously developed, pseudocompound transitional chaetae, and caudae usually cylindrical with few neurohooks; 4) *Daylithos* n. gen., includes species with well-developed dorsal shield, multiarticulate or aristate transitional neurochaetae, and caudae usually depressed with few to many neurohooks; 5) *Semiodera* includes *Semiodera caribea* (Grube & Ørsted in Grube, 1859) new spelling, **n. comb.** (type species), *S. blakei* **n. sp.**, *S. curviseta* (Caullery, 1944) **n. comb.**, *S. dubia* (Treadwell, 1929) **n. comb.**, *S. glynni* **n. sp.**, *S. inflata* (Treadwell, 1914) **n. comb.**, *S. laevis* (Stimpson, 1856) **n. comb.**, *S. mezianei* **n. sp.**, *S. nishii* **n. sp.**, *S. salazarae* **n. sp.**, *S. tenera* (Grube, 1868) **n. comb.**, *S. tovarae* **n. sp.**, *S. treadwelli* **n. sp.** and *S. villalobosi* **n. sp.**; 6), *Daylithos* n. gen. includes *Daylithos parmatus* Grube, 1878 **n. comb.** (type species), *D. amorae* **n. sp.**, *D. cinctus* (Haswell, 1892) **n. comb.**, *D. dieteri* **n. sp.**, *D. iris* (Michaelsen, 1892) **n. comb.**, and *D. nudus* (Caullery, 1944) **n. comb.**

Key words: *Stylarioides*, *Pherusa*, dorsal shield, pseudocompound neurochaetae, borers, taxonomy