

MYRIAPODOLOGICA

A SERIES OF OCCASIONAL PAPERS PUBLISHED BY
THE VIRGINIA MUSEUM OF NATURAL HISTORY

Martinsville, Virginia

ISSN 0163-5395

Volume 5

1997-1998



Virginia Museum of Natural History

CONTENTS

Volume 5

1. Hoffman, Richard L. Chelodesmid studies. XXVI. A new genus for *Leptodesmus kalobatus* Brölemann, 1919 and notes on the related genus *Iphyria* (Polydesmida: Chelodesmidae: Chondrodesmini). 1-8
2. Hoffman, Richard L., and Luis A. Pereira. The identity and taxonomic status of the generic names *Schendylops* Cook, 1899, and *Schendylurus* Silvestri, 1907, and the proposal of *Orygmadyla*, a new related genus from Peru (Chilopoda: Geophilomorpha: Schendylidae). 9-32
3. Shelley, Rowland M. *Colactoides grandis*, n. gen., n. sp., a new callipodoid milliped from Chihuahua (Schizopetalidae: Tynommatinae: Colactidini). 33-40
4. Pérez-Asso, Antonio R. A revision of the milliped genus *Cubodesmus* (Diplopoda: Polydesmida: Chelodesmidae). 41-54
5. Hoffman, Richard L. Studies on spiroboloid millipeds. XIX. *Thyroproctus*, an exceptional genus in the Rhinocricidae. 55-62
6. Hoffman, Richard L. Some necessary fine-tuning in the order Spirobolida (Spirobolidae, Messicobolidae, Atopetholidae). 63-76
7. Hoffman, Richard L. An Appalachian species of *Rhysodesmus* (Polydesmida: Xystodesmidae: Rhysodesmini). 77-84
8. Shear, William A., and David A. Hubbard, Jr. Cave millipeds of the United States. IV. A new genus and species from a high altitude cave in Colorado (Diplopoda, Chordeumatidae, Tingupidae). 85-94
9. Mauriès, Jean-Paul, and Richard L. Hoffman. On the identity of two enigmatic Hispaniolan millipeds (Spirobolida: Rhinocricidae). 95-102
10. Hoffman, Richard L. *Nesobolus* and a related new genus from Haiti (Diplopoda: Spirobolida: Rhinocricidae). 103-110
11. Shelley, Rowland M. The milliped genus *Onychelus* Cook (Spirobolida: Atopetholidae: Onychelinae). 111-118
12. Hoffman, Richard L. A new genus of spirostreptid millipeds from Central America (Spirostreptidae). 119-124
13. Hoffman, Richard L. Reassessment of the Platyrrhacidae, a family of polydesmidan millipeds. 125-141

NEW TAXA DESCRIBED

- Alyssa* Hoffman, 1997, p. 3 (Chelodesmidae)
Origmadyla Hoffman & Pereira, 1997, p. 18 (Schendylidae)
Colactoides Shelley, 1997, p. 36 (Schizopetalidae)
Colactoides grandis Shelley, 1997, p. 37
Cubodesmus mariana Perez-Asso, 1997, p. 48.
Cubodesmus yazminae Perez-Asso, 1997, p. 49
Rhysodesmus restans Hoffman, 1998, p. 78.
Blancosoma Shear & Hubbard, 1998, p. 88 (Tingupidae)
Blancosoma scaturgo Shear & Hubbard, 1998, p. 88.
Haitobolus Mauries & Hoffman, 1998, p. 98 (Rhinocricidae)
Dibothrocricus Hoffman, 1998, p. 105 (Rhinocricidae)
Nesobolus loomisi Hoffman, 1998, p. 105
Mayastreptus Hoffman, 1998, p. 121 (Spirostreptidae)

NEW SYNONYMY PROPOSED

- Schendylurus* Silvestri, 1897; *Ploutoschendylurus* Brolemann & Ribaut, 1912;
Schendylota Chamberlin, 1950; *Nesondyla* Chamberlin, 1950; *Koepeckeiella*
Kraus, 1954, = *Schendylops* Cook, 1899: Hoffman & Pereira, 1997, p. 12.
Haploshendyla major Lawrence, 1960 = *Schendylops silvicola* (Lawrence, 1960),
Hoffman & Pereira, 1997, p. 17.
Cubodesmus latior Chamberlin, 1918; *Cubodesmus proximus* Chamberlin, 1918;
Cubodesmus pelopleurus Chamberlin, 1918; *Cubodesmus princeps* Chamberlin,
1918; *Cubodesmus limoneus* Chamberlin, 1918 = *Cubodesmus ramsdeni*
Chamberlin, 1918; Perez-Asso, 1997, p. 43.
Oxobolus Chamberlin, 1922 = *Messicobolus* Brolemann, 1913; Hoffman, 1997, p.
64.

Spirobolus callipus Bollman, 1893 = *Hiltonius reptans* (von Porat, 1888), Hoffman, 1997, p. 64.

Rhinocricus latespargor Loomis, 1941 = *Haitobolus haitensis* (Gervais, 1884), Mauries & Hoffman, 1998, p. 99.

Alcimobolus angustipes Loomis, 1936 = *Alcimobolus domingensis* (DeSaussure & Humbert, 1872), Mauries & Hoffman, 1998, p. 100.

Eurhinocricus incursor Chamberlin, 1953 = *Dibothrocriscus maltzani* (Pocock, 1894). Hoffman, 1998, p. 108.

Hiltonius thebanus Chamberlin, 1941; *Onychelus medolus* Chamberlin, 1941; *Onychelus jaegeri* Chamberlin, 1947 = *Onychelus obustus* Cook, 1904; Shelley, 1998, p. 113-114.

Gymnostreptus pacificus Chamberlin, 1922 > *Mayastreptus pacificus*, Hoffman, 1998, p. 122.

NEW COMBINATIONS PROPOSED

Leptodesmus kalobatus Brolemann, 1919 > *Alyssa kalobata*; Hoffman, 1997, p. 3.

57 species described in *Schendylurus*, *Schendylota*, *Nesondyla*, *Mesoschendyla*, and *Haploschendyla* > *Schendylops*, listed in Hoffman & Pereira, 1997, pp 21-22.

Spirobolus reptans von Porat, 1888 > *Hiltonius reptans*; Hoffman, 1998, p. 64.

Spirobolus vulvanus Karsch, 1881 > *Centreleus vulvanus*; Hoffman, 1998, p. 68.

Julus haitensis Gervais, 1847 > *Haitobolus haitensis*; Mauries & Hoffman, 1998, p. 98.

Rhinocricus lethifer Loomis, 1936 > *Haitobolus lethifer*; Mauries & Hoffman, 1998, p. 99.

Julus domingensis DeSaussure & Humbert, 1872 > *Alcimobolus domingensis*, Mauries & Hoffman, 1998, p. 99.

Rhinocricus clypeatus Loomis, 1938, *Rhinocricus etymophallus* Loomis, 1938, *Rhinocricus gonolepis* Loomis, 1938 > *Nesobolus etymophallus*, *Nesobolus clypeatus*, *Nesobolus gonolepis*, Hoffman, 1998, pp. 104, 105.

Spirostreptus confragosus Karsch, 1881, *Gymnostreptus vagans* Chamberlin, 1922, *Gymnostreptus laetus* Chamberlin 1922 > *Mayastreptus confragosus*, *Mayastreptus vagans*, *Mayastreptus laetus*; Hoffman, 1998, p. 122.