

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Insecta Mundi

Center for Systematic Entomology, Gainesville,
Florida

December 2001

Occurrence of the milliped *Pachydesmus crassicutis adsinicolus* Hoffman in Florida (Polydesrnida: Xystodesmidae)

Rowland M. Shelley

North Carolina State Museum of Natural Sciences

Follow this and additional works at: <https://digitalcommons.unl.edu/insectamundi>



Part of the [Entomology Commons](#)

Shelley, Rowland M., "Occurrence of the milliped *Pachydesmus crassicutis adsinicolus* Hoffman in Florida (Polydesrnida: Xystodesmidae)" (2001). *Insecta Mundi*. 204.

<https://digitalcommons.unl.edu/insectamundi/204>

This Article is brought to you for free and open access by the Center for Systematic Entomology, Gainesville, Florida at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Insecta Mundi by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

Occurrence of the milliped *Pachydesmus crassicutis adsinicolus* Hoffman in Florida (Polydesmida: Xystodesmidae)

The xystodesmid milliped tribe Pachydesmini is represented in the southeastern states by three genera — *Pachydesmus* Cook, *Dicellarius* Chamberlin, and *Thrinaxoria* Chamberlin and Hoffman — eight species, and five subspecies (Hoffman 1958, 1999; Shelley 1984, 2002). The only one presently known from Florida is *Dicellarius*, represented by *D. okefenokensis* (Chamberlin), in the peninsula, and *D. b. bimaculatus* (McNeill) and *D. b. fictus* (Chamberlin) in the panhandle (Shelley 1984, 2001).

The most proximate record of *Thrinaxoria* is of *T. bifida* (Wood) in Dougherty County, Georgia, some 70 mi (112 km) north of the Florida state line at Leon County (Shelley 1984), while *Pachydesmus crassicutis adsinicolus* Hoffman occurs in Mobile County, Alabama, around 35 mi (56 km) west of the western extremity of the panhandle (Hoffman 1958).

The latter can now be reported from Florida, as I recently discovered a male in the Florida State Collection of Arthropods from Escambia County, 5 mi (8 km) south of Atmore, Alabama, collected by E. Harvey on 27 September 1964. This male agrees closely with that from Mobile County illustrated by Hoffman (1958, figs. 10c, 11c); the site is near the junction of Florida highway 97 and Escambia County road 4, approximately 4 mi (6.4 km) W of Bratt and 27 mi (43 km) NNW of Cantonment.

Pachydesmus c. adsinicolus belongs in the category of Southeastern Endemic species as delineated by Shelley (2001), and its discovery increases the state's fauna to 8 orders, 18 families, 34 genera, and 54 species/subspecies, including the adjustments required by the discoveries in Florida of *Pseudojulus paynei* (Hoffman) (Julida: Parajulidae) and the unidentifiable species of *Eurhinocricus* Brölemann (Spirobolida: Rhinocricidae) (Shelley, in submission; Shelley and Edwards, in press).

Literature Cited

- Hoffman, R. L. 1958. Revision of the milliped genus *Pachydesmus* (Polydesmida: Xystodesmidae). Proceedings of the United States National Museum, 108: 181-218.
- Hoffman, R. L. 1999. Checklist of the Millipeds of North and Middle America. Virginia Museum of Natural History, Special Publication, 8: 1-584.
- Shelley, R. M. 1984. A revision of the milliped genus *Dicellarius* with a revalidation of the genus *Thrinaxoria* (Polydesmida: Xystodesmidae). Proceedings of the Biological Society of Washington, 97: 473-512.
- Shelley, R. M. 2001 (2000). Annotated checklist of the millipeds of Florida (Arthropoda: Diplopoda). Insecta Mundi, 14: 241-251.
- Shelley, R. M. 2002. *Thrinaxoria paynei*, a new species of pachydesminine milliped from Georgia (Polydesmida: Xystodesmidae). Entomological News, 113: 144-146.
- Shelley, R. M. The milliped genus *Pseudojulus* Bollman (Julida: Parajulidae). Submitted to Southeastern Naturalist.
- Shelley, R. M., and G. B. Edwards. 2002. Introduction of the milliped family Rhinocricidae in Florida (Spirobolida). Entomological News, in press.
- Rowland M. Shelley, Research Laboratory, North Carolina State Museum of Natural Sciences, 4301 Reedy Creek Rd., Raleigh, NC 27607 <rowland.shelley@ncmail.net>