

# INSECTA MUNDI

A Journal of World Insect Systematics

---

**0242**

*Neoxantholinus cristatus* (Coleoptera: Staphylinidae)  
is reported from the Cayman Islands

J.H. Frank  
Entomology & Nematology Department  
University of Florida  
Gainesville, FL 32611-0630, USA

Date of Issue: August 24, 2012

J.H. Frank  
*Neoxantholinus cristatus* (Coleoptera: Staphylinidae)  
is reported from the Cayman Islands  
Insecta Mundi 0242: 1-2

**Published in 2012 by**  
Center for Systematic Entomology, Inc.  
P. O. Box 141874  
Gainesville, FL 32614-1874 USA  
<http://www.centerforsystematicentomology.org/>

**Insecta Mundi** is a journal primarily devoted to insect systematics, but articles can be published on any non-marine arthropod. Topics considered for publication include systematics, taxonomy, nomenclature, checklists, faunal works, and natural history. **Insecta Mundi** will not consider works in the applied sciences (i.e. medical entomology, pest control research, etc.), and no longer publishes book reviews or editorials. **Insecta Mundi** publishes original research or discoveries in an inexpensive and timely manner, distributing them free via open access on the internet on the date of publication.

**Insecta Mundi** is referenced or abstracted by several sources including the Zoological Record, CAB Abstracts, etc. **Insecta Mundi** is published irregularly throughout the year, with completed manuscripts assigned an individual number. Manuscripts must be peer reviewed prior to submission, after which they are reviewed by the editorial board to ensure quality. One author of each submitted manuscript must be a current member of the Center for Systematic Entomology. Manuscript preparation guidelines are available at the CSE website.

**Managing editor:** Paul E. Skelley, e-mail: [insectamundi@gmail.com](mailto:insectamundi@gmail.com)  
**Production editor:** Michael C. Thomas, Brian Armitage, Ian Stocks  
**Editorial board:** J. H. Frank, M. J. Paulsen  
**Subject editors:** G.B. Edwards, J. Eger, A. Rasmussen, F. Shockley, G. Steck, Ian Stocks, A. Van Pelt, J. Zaspel  
**Spanish editors:** Julieta Brambila, Angélico Asenjo

**Printed copies (ISSN 0749-6737) deposited in libraries of:**  
CSIRO, Canberra, ACT, Australia  
Museu de Zoologia, São Paulo, Brazil  
Agriculture and Agrifood Canada, Ottawa, ON, Canada  
The Natural History Museum, London, Great Britain  
Muzeum i Instytut Zoologiczny PAN, Warsaw, Poland  
National Taiwan University, Taipei, Taiwan  
California Academy of Sciences, San Francisco, CA, USA  
Florida Department of Agriculture and Consumer Services, Gainesville, FL, USA  
Field Museum of Natural History, Chicago, IL, USA  
National Museum of Natural History, Smithsonian Institution, Washington, DC, USA  
Zoological Institute of Russian Academy of Sciences, Saint-Petersburg, Russia

**Electronic copies (On-Line ISSN 1942-1354, CDROM ISSN 1942-1362) in PDF format:**  
Printed CD mailed to all members at end of year.  
Florida Virtual Campus: <http://purl.fcla.edu/fcla/insectamundi>  
University of Nebraska-Lincoln, Digital Commons: <http://digitalcommons.unl.edu/insectamundi/>  
Goethe-Universität, Frankfurt am Main: <http://edocs.ub.uni-frankfurt.de/volltexte/2010/14363/>

**Author instructions** available on the Insecta Mundi page at:  
<http://www.centerforsystematicentomology.org/insectamundi/>

Copyright held by the author(s). This is an open access article distributed under the terms of the Creative Commons, Attribution Non-Commercial License, which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original author(s) and source are credited. <http://creativecommons.org/licenses/by-nc/3.0/>

*Neoxantholinus cristatus* (Coleoptera: Staphylinidae) is reported from the Cayman Islands

**J.H. Frank**  
Entomology & Nematology Department  
University of Florida  
Gainesville, FL 32611-0630, USA  
jhfrank@ufl.edu

**Abstract.** One male specimen of *Neoxantholinus cristatus* Smetana (Coleoptera: Staphylinidae), collected in 1993, is reported from Grand Cayman. The presence of that species brings to 63 the number of species of Staphylinidae reported from the Cayman Islands.

### **Introduction**

As part of an ongoing effort to document the Coleoptera of the Cayman Islands by M.C. Thomas, R. H. Turnbow and W.E. Steiner, I was sent a male xantholinine staphylinid (Fig. 1) labeled as follows: "CAYMAN ISLANDS, Grand Cayman, Salina Reserve, 19° 21'N, 18°08'W 17 February 1993"/ "F.J. Burton, W.E. Steiner & J.M. Swearingen, collectors"/ "under bark of rotten trunk of *Bursera simarouba*". The specimen is deposited in the Smithsonian Institution. It proved to belong to *Neoxantholinus cristatus* Smetana.

### **Discussion**

Smetana (1982) described the holotype male from Key West, with paratypes from Monroe, Dade, and Pinellas counties in southern Florida. None of the specimen labels of the type series provided habitat information. In my collection [JHFC] are six specimens, all from Key Largo, Monroe County, four of which I collected under bark of a hardwood log, and two from under bark of a fallen gumbo limbo tree (*Bursera simarouba* (L.) Sarg.).

The finding of a specimen on Grand Cayman suggests that the species may occur also in Cuba. This find raises the reported total of Staphylinidae in the Cayman Islands (Frank et al. 2011) to 63 species.

### **Acknowledgments**

Thanks to Michael C. Thomas for preparing an Automontage® illustration (Fig. 1) and for reviewing this note, to Paul E. Skelley for reviewing the note, and to Warren Steiner for lending the Caymans specimen.



**Figure 1.** *Neoxantholinus cristatus* Smetana, male, length 5.5 mm, from Grand Cayman.

**Literature Cited**

**Frank, J. H., J. Klimaszewski, and D. S. Chandler. 2011.** Additions to the Staphylinidae (Coleoptera) of the Cayman Islands. *Insecta Mundi* 0185: 1-10.

**Smetana, A. 1982.** Revision of the subfamily Xantholininae of America north of Mexico (Coleoptera: Staphylinidae). *Memoirs of the Entomological Society of Canada* 120: i-vi, 1-389.

**Received June 12, 2012; Accepted June 21, 2012.**