

Go Mobile

CJO Mobile (CJOM) is a streamlined Cambridge Journals Online (CJO) for smartphones and other small mobile devices



- Use CJOM to access all journal content including *FirstView* articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and low resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOM
- Your device will be detected and automatically directed to CJOM via: journals.cambridge.org



CAMBRIDGE
UNIVERSITY PRESS

Grand Patrons
RICHARD K. BAMBACH
ARTHUR J. BOUCOT
RODNEY M. FELDMAN AND CARRIE SCHWEITZER
THE FAMILY OF N. GARY LANE
A. R. (PETE) PALMER
J. WILLIAM SCHOPF
RAMAN J. SINGH
STEVEN M. STANLEY

Patrons
EDWARD J. ANDREW, JR.
WILLIAM I. AUSICH
BRUCE M. BELL
STIG M. BERGSTROM
DAVID J. BOTTJER
DONALD W. BOYD
DEREK E. G. BRIGGS
JAMES C. BROWER
JOHN L. CARTER
PETER R. CRANE
THE CUSHMAN FOUNDATION
J. ROBERT DODD
MARY L. DROSER
LUCY E. EDWARDS
ROBERT J. ELIAS
J. MARK ERICKSON
DOUGLAS H. ERWIN
HOWARD R. FELDMAN
ROBERT M. FINKS
KARL W. FLESSA
TERRENCE J. FREST
ROBERT A. GASTALDO
PHILIP D. GINGERICH
BRIAN F. GLENISTER
F. D. (BUD) HOLLAND, JR.
J. STEWART HOLLINGSWORTH
NIGEL C. HUGHES
THOMAS W. KAMMER
ERLE G. KAUFFMAN
PATRICIA H. KELLEY
SUSAN M. KIDWELL

ANDREW H. KNOLL
CHARLES LANE
ALLAN R. LARSON
CECILIA LENK AND PAUL K. STROTHER
JERE H. LIPPS
ALAN R. LORD
CHRIS MAPLES AND SARA MARCUS
JANET WOOD MCGREGOR
CHERYL L. METZ
MOLLY F. AND CALVIN MILLER
RONALD W. MORIN
OSBORNE B. NYE, JR.
TERESA O'NEILL
RONALD L. PARSLY
MARK E. PATZKOWSKY
JOHN POJETA, JR.
MARY LOU POJETA
JOHN K. POPE
ANNE RAYMOND
MARGARET N. REES
FRANK H. T. RHODES
RICHARD A. ROBISON
JUNE R. P. AND CHARLES A. ROSS
CHRISTOPHER A. SHAW
FREDERICK C. SHAW
LAWRENCE M. SMALL
GEORGE D. STANLEY, JR.
ROBERT J. STANTON, JR.
CARL W. STOCK
ROGER D. K. THOMAS
BRUCE H. TIFFNEY
SALLY E. WALKER
RON F. WASZCZAK
JOHNNY A. WATERS
GARY D. WEBSTER
MARK A. WILSON
SCOTT L. WING
ABBY YOHELSON
CHARLES YOHELSON
JEFFERY B. YOHELSON
LOUIS G. ZACHOS

The *Journal of Paleontology* publishes manuscripts on all aspects of paleontology, including systematics, phylogeny, paleoecology, paleobiogeography, biostratigraphy, taphonomy, and evolution. It emphasizes specimen-based research and features illustrations of the highest quality possible. Manuscript treating all fossil organism groups are welcome, including invertebrates, vertebrates, plants, algae, and microorganisms of all sorts, as well as ichnofossils (trace fossils).

The *Journal of Paleontology* accepts only online manuscript submissions through the website:

<https://mc.manuscriptcentral.com/paleo>

Author guidelines can be downloaded at:

<http://journals.cambridge.org/action/displayMoreInfo?jid=JPA&type=ifc>

For questions regarding online submissions, please contact the editorial offices at:

journalofpaleontology@cambridge.org

Membership Information

Members of the Paleontological Society automatically receive electronic subscriptions to *Paleobiology* and the *Journal of Paleontology* as a benefit of membership. To apply for individual membership, please go to the Paleontological Society's homepage at <http://paleosoc.org/> where links to an electronic application, a printable paper application form, and a complete list of membership benefits are provided under the Membership heading.

Visit The Paleontological Society website at www.paleosoc.org.

JOURNAL of PALEONTOLOGY

VOL 89 | NO 5 | 2015

- 695 **J. William Schopf, Vladimir N. Sergeev, and Anatoliy B. Kudryavtsev**
A new approach to ancient microorganisms: taxonomy, paleoecology, and biostratigraphy of the Lower Cambrian Berkuta and Chulaktau microbiotas of South Kazakhstan
- 730 **Andrej Ernst, Priska Schäfer, and Jack A. Grant-Mackie**
New Caledonian Triassic Bryozoa
- 748 **Sergio E. Miquel and Pablo E. Rodriguez**
A novel late Early Miocene assemblage of terrestrial gastropods from Santa Cruz (Patagonia, Argentina)
- 762 **Chenyang Cai, Richard A. B. Leschen, Ye Liu, and Difying Huang**
First fossil jacobsoniid beetle (Coleoptera): *Derolathrus groehni* n. sp. from Eocene Baltic amber
- 768 **Xiuchun Jing, Hongrui Zhou, and Xunlian Wang**
Ordovician (middle Darriwilian-earliest Sandbian) conodonts from the Wuhai area of Inner Mongolia, North China
- 791 **Maria de las Mercedes Azpelicueta, Alberto Luis Cione, Mario Alberto Cozzuol, and Juan Marcos Mirande**
Kooichthys jono n. gen. n. sp., a primitive catfish (Teleostei, Siluriformes) from the marine Miocene of southern South America
- 802 **John-Paul Zonneveld, William S. Bartels, Gregg F. Gunnell, and Luke P. McHugh**
Borings in early Eocene turtle shell from the Wasatch Formation, South Pass, Wyoming
- 821 **Jason R. Bourque**
New mud turtles (Kinosternidae, *Kinosternon*) from the middle-late Miocene of the United States
- 845 **S. Christopher Bennett**
New interpretation of the wings of the pterosaur *Rhamphorhynchus muensteri* based on the Zittel and Marsh specimens
- 870 **Marcos Cenizo, Carolina Acosta Hospitaleche, and Marcelo Reguero**
Diversity of pseudo-toothed birds (Pelagornithidae) from the Eocene of Antarctica
- 882 **Ryan M. Bebej, Iyad S. Zalmout, Ahmed A. Abed El-Aziz, Mohammed Sameh M. Antar, and Philip D. Gingerich**
First remingtonocetid archaeocete (Mammalia, Cetacea) from the middle Eocene of Egypt with implications for biogeography and locomotion in early cetacean evolution

Taxonomic Note

- 894 **Paul Copper**
Cerasinella, A replacement name for the Silurian brachiopod genus *Cerasina* Copper 1995, Anticosti Island
- 895 **Addenda**

Cambridge Journals Online

For further information about this journal please
go to the journal website at:
journals.cambridge.org/jpa

CAMBRIDGE
UNIVERSITY PRESS