

Lane

PALEONTOLOGY

SPECIMEN CABINETS



- * All steel construction
- * Powder paint finish
- * Durable neoprene door seal
- * No adhesives
- * Reinforced for easy stacking
- * Sturdy steel trays

LANE SCIENCE EQUIPMENT CORP.

225 West 34th Street
Suite 1412
New York, NY 10122-1496

Tel: 212-563-0663
Fax: 212-465-9440
www.lanescience.com

THE PALEONTOLOGICAL SOCIETY: Membership Application, 2011
(please type or print)

Name _____ Date of birth: _____ Month _____ Day _____ Year _____
Address _____
City, State, Zip code, Country _____
Telephone _____ Fax _____ e-mail _____
Signature _____ Date _____
Title: Mr _____ Ms _____ Miss _____ Mrs _____ Dr _____ Other _____
Highest level of education completed: High School _____ Bachelor's degree _____ Master's _____ PhD _____ Other _____
Check employment: College/University _____ Government _____ Industry _____ Other (list) _____
Check principal responsibility: _____ student _____ teaching _____ administration _____ research _____
technical services _____ consulting _____ other (list) _____
Faculty sponsor sign here for student membership _____
Check membership in other societies: AAP _____ AAPG _____ AASP _____ CAP _____ CFFR _____ IPA _____
NAMS _____ PA _____ PBS(BSA) _____ PD(GAC) _____ PRI _____ SEPM _____ SVP _____
Write in fields of interest: taxonomic _____
stratigraphic _____ geographic _____
other _____

Please check type of membership and paper subscriptions desired:

Regular (including on-line subscriptions to *Journal of Paleontology* and *Paleobiology*) [] \$50.00
Retired (including on-line subscriptions to *Journal of Paleontology* and *Paleobiology*) [] \$45.00
(The PS Secretary is required to certify eligibility for "retired" status)
Student (including on-line subscriptions to *Journal of Paleontology* and *Paleobiology*) [] \$30.00
Spouse (including on-line subscriptions to *Journal of Paleontology* and *Paleobiology*) [] \$25.00
(one spouse must be a regular, retired, or student member)
Emeritus (does not receive journals, apply to PS Secretary) [] No cost

Journal of Paleontology **paper subscription**, in addition to **regular** membership fee [] \$75.00
Journal of Paleontology **paper subscription**, in addition to **retired** membership fee [] \$65.00
Journal of Paleontology **paper subscription**, in addition to **student** membership fee [] \$30.00
Paleobiology paper subscription, in addition to **regular** membership fee [] \$35.00
Paleobiology paper subscription, in addition to **student** membership fee [] \$25.00

I enclose a check payable to THE PALEONTOLOGICAL SOCIETY (US\$, drawn on a US bank) Total \$ _____
Amount to charge to my _____ VISA, _____ Mastercard, number _____ Total \$ _____
Name as on card _____ Expiration date ____/____ Signature _____

Return form with check, credit card information or International Postal Money Order to:

The Paleontological Society, PO Box 7065, Lawrence, KS 66044-7065, U.S.A.
Telephone: (785) 843-1234, ext. 297 Fax: (785) 843-1274 e-mail: paleosoc@allenpress.com

Please make check, money order, or credit card payment for the **TOTAL AMOUNT DUE**, payable to **THE PALEONTOLOGICAL SOCIETY**. Return the form above, completed as appropriate, with payment. Individuals outside the United States must pay in US funds by credit card, by check drawn on a US bank, or by International Money Order. Memberships and subscriptions are non-transferable.

You will be enrolled as a member of the Paleontological Society and you will receive its two journals on-line, as well as print subscriptions you have elected to the *Journal of Paleontology* and *Paleobiology*, for the entire 2010 calendar year, regardless of the month in which your application is submitted.

Please be sure to provide your **current e-mail address** on the application. The journals can be accessed at <http://www.psjournals.org>. Please allow 30 days for processing of your order and activation of your password, which will be sent to you by email.

The **Paleontological Society** and the **Palaeontological Association** have a reciprocal agreement under which members of one organization can purchase certain publications of the other organization at members' prices. **Members of the Palaeontological Association can subscribe to *Paleobiology* at the members' rate.** To do so, they should provide the personal details called for on the membership application form, above, check PA membership, and enclose payment for *Paleobiology* at the members' rate. **Members of the Paleontological Society can obtain Palaeontological Association publications at their members' rates** through the association's website, at <http://www.palass.org> or by e-mail from Dr. Tim Palmer at Palass@palass.org

2011 Institutional subscription rates are: *Journal of Paleontology* — \$330.00, *Paleobiology* — \$200.00
Back issues: \$12.00 for members, \$30.00 for nonmembers. Price includes postage and handling.

To set up an institutional subscription to one or both Paleontological Society journals, please contact
Mr. Russell Wright, Association Manager, at paleosoc@allenpress.com or rwright@allenpress.com

Grand Patrons

RICHARD K. BAMBACH
ARTHUR J. BOUCOT
RODNEY M. FELDMAN and
CARRIE SCHWEITZER
A. R. (Pete) PALMER
J. WILLIAM SCHOPF
RAMAN 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
TERRANCE 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
MARY 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
OSBORNE B. NYE, Jr.
RONALD L. PARSLEY
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 YOCHELSON
CHARLES YOCHELSON
JEFFERY B. YOCHELSON
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. Manuscripts 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:

<http://journalofpaleontology.allentrack.net/>

Author guidelines can be downloaded at:

<http://www.journalofpaleontology.org/instructions.htm>

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

jpaleo@si.edu

JOURNAL OF PALEONTOLOGY

VOLUME 85 ■ NUMBER 4 ■ JULY 2011 ■ ISSN 0022-3360

613 Christopher A. McRoberts

Late Triassic Bivalvia (chiefly Halobiidae and Monotidae) from the Pardonet Formation, Williston Lake area, northeastern British Columbia, Canada

665 Pieter Missiaen, Gregg F. Gunnell, and Philip D. Gingerich

New Brontotheriidae (Mammalia, Perissodactyla) from the early and middle Eocene of Pakistan with implications for mammalian paleobiogeography

678 Ed Landing and Richard A. Fortey

Tremadocian (Lower Ordovician) sea-level changes and biotas on the Avalon microcontinent

695 Rebecca L. Freeman and James F. Miller

First report of a larval shell repair scar on a lingulate brachiopod: evidence of durophagous predation in the Cambrian pelagic realm?

703 S. Bajpai, J. G. M. Thewissen, and R. W. Conley

Cranial anatomy of middle Eocene *Remingtonocetus* (Cetacea, Mammalia) from Kutch, India

719 Dario G. Lazo and Susana E. Damborenea

Barremian bivalves from the Huitrín Formation, west-central Argentina: taxonomy and paleoecology of a restricted marine association

744 Joseph F. Pachut and Peggy Fisherkeller

Patterns of early colony development (astogeny) in four genera of trepostome bryozoans from the Upper Ordovician

757 Michał Zatoń and Wojciech Krawczyński

New Devonian microconchids (Tentaculita) from the Holy Cross Mountains, Poland

770 Huaqiao Zhang, Xi-Ping Dong, and Shuhai Xiao

Two species of *Hesslandona* (Phosphatocopida, Crustacea) from the Upper Cambrian of western Hunan, South China and the phylogeny of Phosphatocopida

789 Tyler R. Lyson and Walter G. Joyce

Cranial anatomy and phylogenetic placement of the enigmatic turtle *Compsemys victa* Leidy, 1856

TAXONOMIC NOTES

802 H. Miriam Steele-Petrovich

Replacement name for *Tetradium* Dana, 1846

804 Stephen K. Donovan and Lars W. Van Den Hoek Ostende

Rijckholtia, a new name for the genus *Ryckholtia* Šnajdr, 1980 (Arthropoda, Trilobita), preoccupied by *Ryckholtia* Fritsch, 1910 (Mollusca, Gastropoda)

805 Norman M. Savage

Polygnathus bagialensis, new name for the homonymous *P. praetrigonicus* Savage, 1995, and *Polygnathus abbessensis*, new name for the homonymous *P. borealis* Savage, 1995 (Conodontes, Polygnathidae)

AWARDS

**806 Bruce S. Lieberman, Presentation of the 2008 Paleontological Society Medal
Niles Eldredge, Response**

**809 David Grimaldi, Presentation of the 2008 Charles Schuchert Award of the Paleontological Society
Michael S. Engel, Response**

**812 William S. Bartels, Presentation of the 2008 Harrel L. Strimple Award of the Paleontological Society
Thomas C. Witherspoon, Response**