

Lane

PALEONTOLOGY

SPECIMEN CABINETS



- * All steel construction
- * Powder paint finish
- * Durable neoprene door seal
- * No adhesives
- * Reinforced for easy stacking
- * Lane double panel lift-off door
- * 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

New from Chicago



Available this Fall

Extinction and Biogeography of Tropical Pacific Birds

DAVID W. STEADMAN

"This is an extremely important work and not only to the central fields of island ecology and biogeography; it will also be widely read and cited by archaeologists, paleontologists, geographers, and naturalists in general. We need this book."—Patrick Kirch, University of California, Berkeley
480 p., 108 halftones, 133 line drawings
Paper \$45.00

Now in paperback

On the Origin of Phyla

JAMES W. VALENTINE

"Valentine has indeed produced a wonderfully informative and well-written book by mixing together three basic ingredients that are now available: paleontology, molecular phylogeny, and developmental genetics."

—Alessandro Minelli, *Trends in Ecology and Evolution*

608 p., 9 halftones, 252 line drawings
Paper \$35.00

The Nature of Paleolithic Art

R. DALE GUTHRIE

"Guthrie brings his expertise in zoology, paleontology, and modern hunting to the study of cave paintings and other preserved remnants of our Paleolithic ancestors, proposing a revolutionary rethinking of how our ancestors lived. . . . This immensely thought-provoking book will challenge readers' preconceptions about the origin of art and the provenance of our family and social structures."—*Publishers Weekly*, starred review
520 p., 20 halftones, 847 line drawings
Cloth \$45.00



The University of Chicago Press www.press.uchicago.edu

JOURNAL OF PALEONTOLOGY

VOLUME 80 ■ NUMBER 4 ■ JULY 2006 ■ ISSN 0022-3360

MEMORIAL

Memorial for Norman Dennis Newell (1909–2005)

609 Melissa Hicks

A new genus of Early Cambrian coral in Esmeralda County, southwestern Nevada

616 Alfred Lenz and Anna Kozłowska

Graptolites from the *lundgreni* Biozone (lower Homerian: Silurian), Arctic Islands, Canada: New species and supplementary material

638 Heather M. Wilson

Juliformian millipedes from the Lower Devonian of Euramerica: Implications for the timing of millipede cladogenesis in the Paleozoic

650 Jonathan M. Adrain and Stephen R. Westrop

New earliest Ordovician trilobite genus *Millardicurus*: The oldest known hystricurid

672 Eric J. Hilton and Lance Grande

Review of the fossil record of sturgeons, family Acipenseridae (Actinopterygii: Acipenseriformes), from North America

684 Giorgio Carnevale, Alexandre F. Bannikov, Walter Landini, and Chiara Sorbini

Volhynian (early Sarmatian sensu lato) fishes from Tsurevsky, North Caucasus, Russia

700 Martin A. Becker, John A. Chamberlain Jr., and George E. Wolf

Chondrichthyans from the Arkadelphia Formation (Upper Cretaceous: Upper Maastrichtian) of Hot Spring County, Arkansas

717 John R. Bolt and R. Eric Lombard

Sigournea multidentata, a new stem tetrapod from the Upper Mississippian of Iowa, USA

726 Johannes Müller, David S. Berman, Amy C. Henrici, Thomas Martens, and Stuart S. Sumida

The basal reptile *Thuringothyris mahlendorffae* (Amniota: Eureptilia) from the Lower Permian of Germany

740 Bruce S. Rubidge, Christian A. Sidor, and Sean P. Modesto

A new burnetiamorph (Therapsida: Biarmosuchia) from the Middle Permian of South Africa

750 Leif Tapanila and Lars E. Holmer

Endosymbiosis in Ordovician–Silurian corals and stromatoporoids: A new lingulid and its trace from eastern Canada

760 Leif Tapanila

Devonian *Entobia* borings from Nevada, with a revision of *Topsentopsis*

768 Eric M. Roberts and Leif Tapanila

A new social insect nest from the Upper Cretaceous Kaiparowits Formation of southern Utah

PALEONTOLOGICAL NOTES

775 J. Keith Rigby, Benjamin J. Kessel, Bradley D. Ritts, and Scott J. Friedman

A new Ordovician chlastoclonellid sponge from Inner Mongolia, China

780 Andrew A. Farke

Morphology and ontogeny of the cornual sinuses in chasmosaurine dinosaurs (Ornithischia: Ceratopsidae)

REVIEWS

786 Book reviews

SOCIETY RECORDS AND ACTIVITIES

789 Treasurer's Report

790 Proceedings of the 2005 Midyear Council Meeting

795 Proceedings of the 2005 Annual Council Meeting

801 Paleontological Society awards and responses