

## PRESIDENT'S LETTER

Greetings NAMSters! (Thanks go to President-Elect Pete McLaughlin for our new designation.) It was great to see many of you at the AASP-CAP-NAMS meeting held in St. Catharines Ontario in early October. Francine McCarthy and Kevin Gostlin's phenomenal organizational skills delivered a conference that was as much fun as it was educational. An international crowd of about 100 people attended, including 21 students. The technical sessions showcased the diverse array of microfossil applications to scientific issues that range from traditional to innovative disciplines, including paleoecology, sequence stratigraphy, aquifer geology, archeology, and insect & bat studies. President-Elect Pete McLaughlin organized the session "Micropaleontology and palynology of the Atlantic and Gulf coastal plains of North America" and I organized "Origins and Evolution of microfossils: links between evolutionary history and paleoenvironmental changes". See <http://www.geology.utoronto.ca/aasp2003/> for details of the technical program.

The pre-meeting field trips were very popular and included an early morning botany and ornithology hike, a golf tournament, afternoon vineyard tours and wine-tasting under the guise of "the geology of wine-making", and an energizing hike down (and back up...) the Niagara Gorge. Our rigorous field trip efforts were rewarded with a lavish Sunday evening mixer subsidized by Brock University and ConocoPhillips, followed by a fascinating public lecture "Investigating the Life and Death of the Tyrolean Iceman: Clues from Pollen and Mosses" by James Dickson. Following Monday's technical program, we piled into vans for the trek to Niagara Falls

and enjoyed a buffet dinner at the Skylon Tower overlooking the Falls illuminated by the nighttime multi-color spotlights. The final group social event was held at the Hillebrandt Winery Tuesday evening. After a tour of the vineyards and wine-making facilities, we were treated to a sampling of Hillebrandt's many fine wines before we sat down to dinner in the winery's restaurant. A fine time was had by all (see photo). Many thanks to Francine and Kevin for a thoroughly enjoyable, professionally enlightening conference!



NAMS will carry forward the momentum of the multi-sponsor microfossil meeting concept with "Geologic Problem Solving with Microfossils" in March 2005. Former NAMS President Garry Jones is spearheading the organizational efforts of this international meeting that is sponsored by NAMS with 10 co-sponsoring organizations (see announcement in this newsletter). This meeting will go a long ways toward promoting the NAMS mission of bringing together microfossil specialists from many disciplines.

At this past year's annual AAPG-SEPM meeting (Salt Lake City), NAMS sponsored the well attended session "Biostratigraphic and paleoenvironmental analyses: characterizing depositional sequences and facies". NAMS also hosted a meeting of the Marine Micropaleontology Research Group (MMRG) at AAPG-SEPM. The principal speaker was Tony Gary, a research scientist with Energy & Geoscience Institute (EGI) at the University of Utah. Tony

See President's Letter continued on page 2.



Technical sessions at the AASP-CAP-NAMS meeting were well attended by an enthusiastic audience

## PRESIDENT'S LETTER (Cont.)

gave a presentation entitled "The Geosciences Network (GEON) Initiative: What is the role of Industrial Biostratigraphy?" This major NSF-funded project to build intelligent geologic-search capability on the World Wide Web offers an opportunity for the biostratigraphic community to help shape the development of the tool and the resources available once it is operational. EGI treated the MMRG participants to fajitas and beer.

At the 2004 AAPG-SEPM meeting (Dallas, April 18-24), NAMS will sponsor session P68, "Oceanic Anoxic Events and Source Rock Formation". We are pleased to have contributions that include diverse topics such as molecular fossils in source rocks, organic geochemistry, orbital cyclicity and climate influence on organic carbon deposition, and phytoplankton control of trace metals preserved in organic matter.

NAMS is pleased to have 31 student members. Student memberships are free thanks to subsidies from Shell and UNOCAL, so please encourage your students to join. Annual benefits include a \$100 book award, a Mobil Foundation student grant for travel to the AAPG-SEPM national

meeting, and the NAMS student research grant. Congratulations to David Vance (East Carolina University, a student of Steve Culver), this year's book award recipient. Congratulations also to Alicia Kahn (Rutgers University, a student of Marie-Pierre Aubry), recipient of this year's Mobil Foundation travel grant. Alicia will present her research in the Student Award poster session at the Dallas AAPG-SEPM meeting in April. For details on the student research grant, please see the announcement in this newsletter.

Last but not least.... a plea to NAMS members to keep up-to-date on membership dues, a very modest \$10 per year. You have paid through the date indicated on your newsletter address label. A membership renewal form is included in the newsletter. In addition, please consider a contribution to the NAMS Endowed Fund to support the NAMS student research grant.



Miriam E. Katz  
NAMS President

## SPECIAL ANNOUNCEMENT

### WHEN

o Early March 2005 (exact dates to be announced)

### VENUE

o Rice University, Houston, Texas, USA

### SPONSORS

o North American Micropaleontology Section of SEPM (host organization)  
o Gulf Coast Section SEPM  
o SEPM (Society for Sedimentary Geology)  
o The Micropalaeontological Society  
o American Association of Stratigraphic Palynologists  
o International Nannofossil Association  
o Cushman Foundation  
o Canadian Association of Palynologists  
o Pander Society  
o International Commission on Stratigraphy

### PURPOSE

o Bringing together an eclectic mix of geoscientists to showcase the problem-solving power of microfossils in a variety of geologic settings.

### WHO SHOULD ATTEND

o Professionals in microfossils from industry, academia, museums, and government

o Students  
o Geoscientists wanting to learn more about the geologic application of microfossils.

### FORUM

o 2.5 day conference  
o Case-history approach  
o Oral and poster sessions

o Invited papers

### PLENARY DINNER

o Houston Museum of Natural Sciences

### FIELD TRIPS

o Two options being developed

### PUBLICATIONS

o Conference volume with abstracts  
o Post-conference SEPM Special Publication Future announcement and call for papers to be issued in January, 2004.

Direct all inquiries by

e-mail to Garry Jones ([garry.jones@unocal.com](mailto:garry.jones@unocal.com))



**BE SURE TO PUT MARCH 2005 ON YOUR CALENDAR!!**

Microfossil images courtesy of The Natural History Museum (London), Mitch Covington, and Gulf Coast Section SEPM

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*(Please remember to renew!)*

### TREASURER'S REPORT

As of 30 September 2003, the NAMS treasury contained about \$10,100. Since my last report in April, NAMS received \$680 from member dues and interest. Expenditures totaled about \$607. This included newsletter and mailing expenses and filing fees. For the last 12 months, expenditures totaled \$886 and receipts \$1158.

--Martin Farley, *NAMS Treasurer*  
October 15, 2003

Visit NAMS online at:  
<http://www.ig.utexas.edu/nams/nams.html>



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# MEETING CALENDAR

## GCAGS/Gulf Coast Section SEPM 53rd Annual Convention Conference

Oct 22 - Oct. 24, 2003  
Baton Rouge, LA  
<http://www.brgs-la.org/gcags.htm>



## Geological Society of America National Meeting

Nov 2-5, 2003  
Seattle, Washington  
[www.geosociety.org/meetings/index.htm](http://www.geosociety.org/meetings/index.htm)



## Gulf Coast Section of SEPM 23rd Annual Bob F. Perkins Research Conference

December 7-10, 2003  
Houston, Texas  
<http://www.gcssepm.org>



## Seventh International Organization of Paleobotany Conference - IOP 7

March 21st through March 26th, 2004,  
Bariolcho, Argentina  
<http://www.iopc2004.org/>

## The XIth International Palynological Congress

July 4 - 9, 2004.  
Granada, Spain

## American Association of Petro- leum Geologists Annual Meeting

April 18-21, 2004  
Dallas, Texas  
[www.aapg.org/index.html](http://www.aapg.org/index.html)



## The 32nd session of the Inter- national Geologi- cal Congress

August 20-28, 2004  
Florence, Italy



## International Nannoplankton Association Conference - INA10

August 29 to September 4, 2004  
Lisbon, Portugal.  
[http://www.nhm.ac.uk/hosted\\_sites/ina/INA2004.x-html](http://www.nhm.ac.uk/hosted_sites/ina/INA2004.x-html)



## Geological Society of America National Meeting

November 7-10, 2004  
Denver, Colorado  
[www.geosociety.org/meetings/index.htm](http://www.geosociety.org/meetings/index.htm)

## Geologic Problem Solving with Microfossils, an International Conference

March 2005  
Houston, Texas  
(see below)

## XVII International Botanical Congress

July 17-23, 2005 in Vienna, Austria

email contact: [botanik@univie.ac.at](mailto:botanik@univie.ac.at)

## 15th International Symposium on Ostracoda

September 2005  
Free University of Berlin  
<http://userpage.fu-berlin.de/~palaeont/iso15/iso15-main.htm>

## Geological Society of America National Meeting

October 16-19, 2005  
Salt Lake City, Utah  
[www.geosociety.org/meetings/index.htm](http://www.geosociety.org/meetings/index.htm)

## International Nannoplankton Association Conference - INA11

September, 2006.  
Lincoln, Nebraska, USA.  
[http://www.nhm.ac.uk/hosted\\_sites/ina/INA2004.x-html](http://www.nhm.ac.uk/hosted_sites/ina/INA2004.x-html)

# MEETING NEWS

## GCSSEPM FOUNDATION BOB F. PERKINS RESEARCH CONFERENCE

SHELF MARGIN DELTAS AND LINKED  
DOWN SLOPE PETROLEUM SYSTEMS:  
Global Significance & Future Exploration Potential

23rd Annual GCSSEPM Foundation Bob F. Perkins  
Research Conference  
Adam's Mark Hotel, Houston, Texas  
December 7-10, 2003

The 2003 Bob F. Perkins Conference will bring together specialists from industry and academic research institutions to share information and insight regarding the conference theme. Abstracts, a complete program and registration forms are on-line at [www.gcssepm.org](http://www.gcssepm.org).

The eighteen papers range in geographic interest from the Western Black Sea to the Gulf of Mexico, from Trinidad to the U.S. East Coast, from South China Sea to Australia, from Western Europe to the Russian Urals, and from the mid-continent to Texas in the U.S.A. The papers generally fall into three broad categories: 1) foraminiferal distribution patterns and the environmental factors that control these distri-

butions with implications for sea-level studies, 2) techniques that have specific applications to sequence stratigraphy and interpreting sea-level change, and 3) case studies of the application of marine micropaleontology to sequence stratigraphy or genetic stratigraphy.

The volume has been designed for graduate students and professionals interested in a wide range of subjects, for example: sequence stratigraphy, paleoenvironments, paleoecology, paleontology, clastic and carbonate sedimentology, petroleum geology and geophysics, local and regional sea-level and/or climate change, and stratigraphic applications of diversity-, factor- and cluster-analysis.

## NORTH AMERICAN PALEONTOLOGY CONFERENCE - JUNE 19-26TH 2005

DALHOUSIE UNIVERSITY  
HALIFAX, NOVA SCOTIA CANADA:

The Conference will consist of five days of talks and posters, with a choice of day trips mid-week, as well as major field trips pre- or post-conference. The day trips will be to some excellent sites within a two hour drive of Halifax. These will include: Horton Bluff (Dev/Carb boundary-early tetrapod trackways), Wassen's Bluff

## MEETING NEWS (cont.)

(Tria/Jur-link fossil between dinosaurs and mammals), Joggins (Carboniferous-world heritage site), and Arisaig (a world class Silurian invertebrate site).

Major field trips will include the Gaspé Peninsula (Quebec), led by Pierre Bourque and Patricia Gensel.

Tentatively, day trips will be comprised of stops in New Brunswick around Atholville (plants, etc.), Miguasha (fishes, plants), Port-Daniel area (reef and reef dwelling organisms), travel to Gaspé for stops at Forillon Park and Cap-aux-Os (plants, invertebrate macrofauna), Percé (brachiopods, trilobites) and New Richmond (stromatolites). While traveling back from northern New Brunswick to Halifax, with stop in the Bathurst area (carboniferous outcrop).

These are preliminary trips - more may be added by request to the organizers. Please suggest possible symposium topics and organizers to David B. Scott.

Housing will be available at Dalhousie University Residences (59\$ Canadian/night), plus many local hotels. (See these websites for Dalhousie housing and for information about Dalhousie University.)

Dr. David B. Scott, local organizer  
Centre for Environmental and Marine Geology  
Dalhousie University  
Halifax, Nova Scotia B3H3J5 CANADA

### SPECIAL INA MEETING ON EXTANT COCCOLITHOPHORIDS

About 40 calcareous nannoplankton specialists attended the meeting of the International Nannoplankton Association (INA) on extant calcareous nannoplankton, organized by Dr. Maria Triantaphyllou (Univ. of Athens) and held at the Biological Institute of Crete, October 2-6, 2003. This very successful meeting included discussions on the biogeography, ecology, molecular biology, and taxonomy of extant calcareous nannoplankton, as well as on fluxes to the seafloor. In addition, a day-long workshop was devoted to methods of isolating and culturing living cells. A subsequent meeting is planned for 2005 in Crete. INA holds a general meeting every three years; its next meeting will be in Lisbon in September 2004.

Marie-Pierre Aubry

### INTERRAD 2003

About 70 radiolarian researchers attended the tenth meeting of the International Association of Radiolarian Paleontologists (INTERRAD) at the University of Lausanne, Switzerland, September 8-12, 2003. Peter O. Baumgartner and his hard-working student helpers from the University organized a highly varied and stimulating meeting. The program comprised 38 oral and 37 poster presentations covering the following topics: development of radiolarian databases and computer tools; radiolarian taxonomy, systematics, and phylogeny; radiolarian biochronology, quantitative

methods, calibration, and correlation; radiolarians in geodynamics; and radiolaria and radiolarites as paleoenvironmental indicators. Several persons attended the mid-meeting field trip to Zermatt-Gornergrat. A post-meeting field trip on Mesozoic radiolarian biostratigraphy and paleogeography was scheduled for the Switzerland-Italy-Slovenia area.

INTERRAD meets every three years, and Chris Hollis agreed to convene the 2006 meeting in Wellington, New Zealand. He said that it "will have a strong field-trip focus, given that this may be the only opportunity many of you will have to visit Aotearoa/New Zealand." We look forward to a visit to the antipodes.

Richard N. Benson, Delaware Geological Survey  
University of Delaware, Newark DE 19716-7501

## STUDENT NEWS

### NAMS STUDENT BOOK AWARD

This year's winner of the NAMS student book award is David J. Vance of the East Carolina University Geology Department. David has provided the following:

Biographical Sketch - I am 26 years old and about to complete my masters in geology at East Carolina University. I came to ECU with a B.S. in Geology from the State University of West Georgia. Currently I am finishing up a GeoCorps America internship with USDA Forest Service in northern California (Klamath National Forest), where I am learning about the role of geology in natural resource management. In the fall I will be wrapping up my thesis and looking forward to what my next step into my professional career may be. My future ambitions are to use the experience I have gained through my masters and my recent internship with the USDA Forest Service to pursue a Ph.D. that deals with natural resource management. At some point in the future I hope to enter academia once again as a professor and teach others about the exciting field of geology.

Research Description - My masters research is a part of the North Carolina Coastal Geology Cooperative funded in part by the USGS. It is centered around characterizing the modern benthic marginal marine environment of the northeastern sounds and inner shelf of North Carolina and developing a paleoenvironmental reconstruction of the sounds over the past few centuries. To do this a series of 49 stations were strategically sampled (surface and short cores) in 19 a priori subenvironments for foraminifera and radiochemical tracers ( $^{210}\text{Pb}$  and  $^{137}\text{Cs}$ ). The surface distribution of the live population and dead assemblage of foraminifera were each analyzed by cluster analysis and when compared formed very similar groupings (biofacies). The biofacies for the surface dead assemblage was then used to compare to samples from short cores to see if any environmental changes had

## STUDENT NEWS (cont.)

occurred over time. The radiochemical tracers were used to date the sediment and provide rates of sediment accumulation to construct a temporal framework for paleoenvironmental reconstruction

### 2003 NAMS AWARDEE OF THE SEPM MOBIL FOUNDATION STUDENT PARTICIPATION GRANT

NAMS is pleased to announce that Alicia Kahn of Rutgers University has been chosen as a 2003 NAMS awardee of the SEPM Mobil Foundation Student Participation Grant. This award will support Alicia's travel to the 2004 SEPM/AAPG meeting, April 18-21, 2004, in Dallas, TX, to present a paper submitted (co-authored by Marie-Pierre Aubry), "Enhanced stratigraphic resolution around the Paleocene/Eocene boundary: A biostratigraphic proxy for the CIE." The award committee (Peter McLaughlin, Brian O'Neill) felt that this paper presented significant findings on high-resolution biostratigraphy tied to oceanographic changes in an interval of major research interest to paleo-atmosphere/ocean climate dynamics.

Alicia received her BA in Geology in 1998 from Amherst College in Amherst, MA. She completed her M.S. in 2003 at the Department of Geological Sciences, Rutgers University, Piscataway, NJ, with a thesis entitled "Protist Provincialism during the Paleocene/Eocene Thermal Maximum: Temporal Constraint of the *Rhombaster* spp. - *Discoaster araneus* Association." Marie-Pierre Aubry was her advisor, and Ken Miller and Jim Wright her other committee members. Alicia is continuing her nannofossil research in the Ph.D. program at Rutgers, and hopes to graduate in 2007.

SEPM initiated the Student Participation Grants program to provide travel funds for students selected by SEPM Sections like NAMS to attend the society's annual meeting. The primary aims are to encourage students to discover the spectrum of science presented at these meetings and to begin expanding their professional network. The program has been made possible with the support of the Mobil Foundation.

## STUDENT OPPORTUNITIES

### NAMS STUDENT RESEARCH GRANT

The North American Micropaleontological Section of SEPM is pleased to announce that the 2004 NAMS Student Research Grant (\$500) will be awarded to one NAMS student member to support research with a substantial micropaleontological component.

**Award Criteria:** Research must involve one or more of the subdisciplines of micropaleontology (such as foraminifera, nannofossils, diatoms, radiolaria, pollen, dinoflagellates, and conodonts) applied to traditional fields such as biostratigraphy, paleoecology, and paleoceanography, or to

rapidly expanding fields such as biogeochemistry and geomicrobiology. Proposals will be ranked by the NAMS Board of Directors based on scientific merit, faculty recommendation, and financial need. The grant will partially support a M.S. or Ph.D. research project that is not funded through other grants. Applicants must be student members of NAMS (see <http://www.ig.utexas.edu/nams/nams.html> for details of free student membership in NAMS).

**Award Application:** Each proposal must consist of a summary of the student's research, a letter of reference from the student's faculty advisor, and Forms A and B. Travel to meetings or conferences will not be supported by this award. A supporting letter of reference from the applicant's faculty advisor must be provided separately to the address below. Proposals should be submitted by February 15, 2004 and directed to the address below. Decisions will be made by the NAMS Board of Directors and funds dispersed by March 31, 2004.

Application forms, research summary, and letter of reference should be submitted to:

Dr. Miriam E. Katz  
Dept. of Geological Sciences  
610 Taylor Rd.  
Rutgers University  
Piscataway NJ 08854  
732-445-3445  
732-445-3374 fax  
[mimikatz@rci.rutgers.edu](mailto:mimikatz@rci.rutgers.edu)

**Application  
Forms Can Be  
Found on Page 8**

### SCHLANGER OCEAN DRILLING FELLOWSHIPS

Joint Oceanographic Institutions (JOI) and the U.S. Science Advisory Committee are seeking Ph.D. and M.S. degree candidates of outstanding promise and ability who are enrolled in U.S. institutions to conduct shorebased research compatible with that of the Ocean Drilling Program (ODP). November 15, 2003 is the next fellowship application deadline for proposals. The applicant's research may be based on any past DSDP or ODP leg.

Both one-year and two-year fellowships are available to M.S. and Ph.D. candidates. Two-year awards are rarely given, but one-year fellows may reapply for additional funding. The award is \$23,000 per year to be used for stipend, tuition, benefits, research costs and incidental travel, if any. For a fellowship application and more information, visit: <http://www.joiscience.org/USSSP/Fellowship/Fellowship.html>.

If you have questions, contact:  
Jennifer Anziano  
Schlanger Ocean Drilling Fellowship Program  
Joint Oceanographic Institutions  
1755 Massachusetts Ave., NW, Suite 700,

Washington, DC 20036-2102, tel: 202-232-3900, ext. 270  
janziano@joiscience.org

## GEORGIA STATE UNIVERSITY DEPARTMENT OF GEOLOGY GRADUATE POSITIONS

The Department of Geology at Georgia State University seeks to fill two graduate positions (M.S. or Ph.D.) for a study of Southern African paleoclimate over the last 200 k.y. It is anticipated that one student will study faunal distributions of foraminifera and the other clay mineralogy and geochemistry of the sediments. Stipends include a tuition waiver and possible summer support. Georgia State University is an urban research institution located in Atlanta, GA. Further information about the department and online applications for graduate studies can be found at [www.gsu.edu/geology](http://www.gsu.edu/geology). For more information, contact Dr. Beth A. Christensen at [bchristensen@gsu.edu](mailto:bchristensen@gsu.edu) (404-651-3635). GSU is an AA/EEO employer.

## NEWS AND NOTES

### MUSEUM OF THE EARTH

Art Waterman, Trustee of the Paleontology Research Institution, is pleased to announce the opening of the newest natural history museum, PRI's Museum of the Earth in Ithaca, NY. The museum opened to an enthusiastic public reception on Saturday, September 27th. Please visit the web site below for photos and more information, and certainly, Art invites you to visit the museum and the associated collections in person. The opportunity to utilize PRI's extensive collections for educational and community outreach are an important adjunct to PRI's mission that all friends of PRI can be proud of.



<http://www.priweb.org/museumoftheearth/museum.html>

### LATEST NEWS FROM RUTGERS

Marie Pierre Aubry and Bill Berggren both received honorary doctorates from the University of Athens (Greece) on October 8th. The award to Marie was for research in the fields of calcareous nannoplankton taxonomy and evolution as well as chronostratigraphy and stratigraphy (her work on hiatuses etc.). the award to Bill was for studies in construction of geologic time scales, chronostratigraphy and planktonic foraminiferal taxonomy and evolution.

### LATEST PALEONTOLOGICA ELECTRONICA

The latest issue (Sept 19, 2003) of the on-line Paleontologica Electronica has three papers of interest to NAMS workers plus other material. This journal is free and requires no passwords or other impediments to view any of its articles. In the past it has published other micropaleo papers. It's a valuable resource for microfossil workers. Check it out at <http://palaeo-electronica.org/toc.htm>

### The current papers:

#### *Palaecological and Ichnological Significance of Microborings in Quaternary Foraminifera*

Kurt Søren Svensson Nielsen, Jan Kresten Nielsen, and Richard Granville Bromley

#### *Illustration of Modern Benthic Foraminifera from Bermuda and Remarks on Distribution in Other Subtropical/Tropical Areas*

Emmanuelle J. Javaux and David B. Scott

#### *The Thecamoebian Bibliography, 2nd Edition*

F.S. Medioli, L. Bonnet, David B. Scott, and Barbara Elizabeth Medioli

### HOLOCENE PALEOCLIMATE RESEARCH

Tom Cronin of the USGS and others are researching Holocene paleoclimate records from eastern estuaries (Chesapeake, Tampa, Florida, and Biscayne Bays) using ostracode and foraminiferal faunal, isotopic and trace elemental studies in collaboration with Gary Dwyer at Duke University, Bob Thunell at University of South Carolina, Scott Ishman at Southern Illinois University, and other colleagues.

#### Some papers on this research are:

Cronin, T. M., G. S. Dwyer, T. Kamiya, S. Schwede, D. A. Willard. 2003. Medieval Warm Period, Little Ice Age and 20th Century Temperature Variability from Chesapeake Bay. *Global and Planetary Change*, v. 36, no. 1-2, p. 17-29.

Cronin, T. M. and Vann. 2003. The sedimentary record of anthropogenic and climatic influence on the Patuxent Estuary and Chesapeake Bay ecosystems. *Estuaries* v. 26, no. 2A.

Willard, D. A., T. M. Cronin, S. Verardo. 2003. Late Holocene climate and ecosystem variability from Chesapeake Bay sediment cores. *The Holocene* v. 13, no. 2, pp. 201-213.

Cronin, T. M., I. Boomer, G. Dwyer, J. Rodriguez-Lazaro. 2002. Ostracoda and Paleooceanography. In, J. Holmes and A. Chivas, eds. *Applications of the Ostracoda to Quaternary Research*. AGU Monograph. 131, pp. 99-119.

Cronin, T. M., G. S. Dwyer, S. B. Schwede, H. Dowsett. 2002. Climate variability from Florida Bay Sedimentary Record: Possible teleconnections to ENSO, PNA, and CNP. *Climate Research* 19(3): 233-245.

Dwyer, G. S. and Cronin, T. M. 2001. Ostracode shell chemistry as a paleosalinity proxy in Florida bay. In, B. Wardlaw, ed. *Bulletins of American Paleontology* No. 361, p. 249-276.

Cronin, T. M., Holmes, C., Wingard, L., Ishman, S. E., Dowsett, H. J., Waibel, N. 2001. Historical trends in epiphytal ostracodes from Florida Bay: Implications for seagrass and macrobenthic algal variability. In, B. Wardlaw, ed. *Bulletins of American Paleontology* No. 361, p. 159-197. Cronin, T. M., Willard, D. A., R. T. Kerhin, A. W. Karlsen, C. Holmes, S. Ishman, S. Verardo, J. McGeehin, A. Zimmerman. 2000. Climatic variability over the last millennium from the Chesapeake Bay sedimentary record. *Geology* 28: 3-6.

Karlsen, A.W., T. M. Cronin, S. E. Ishman, D. A. Willard, C. W. Holmes, M. Marot, R. Kerhin. 2000. Historical trends in Chesapeake Bay dissolved oxygen based on benthic foraminifera from sediment cores. *Estuaries*: 23 (4): 488-508.

Cronin, T. M. 2000. Editor: Initial Report on IMAGES V Cruise of Marion-Dufresne to Chesapeake Bay June, 1999. USGS Open-file Report 00-306. (13 Chapters).

Cronin, T. M., R. S. Wagner, M. Slattery. (eds.). 1999. Microfossils from Chesapeake Bay sediments: Illustrations and species database. USGS Open-file Report 99-45. (includes 5 chapters, one on each major microfossil group. Also available on WWW: <http://pubs.usgs.gov/pdf/of99-45/>).

### IPA ON-LINE DATABASES

The International Palaeontological Association hosts three databases: the Directory of Paleontologists of the World, Fossil Collections of the World, and PaleoLink. All paleontologists are urged to enter information into each of the databases as appropriate. Please urge your colleagues to do so, too. The more complete the information in the databases, the more useful they will be to the paleontological community. Links to all three databases can be found on the IPA web site (<http://ipa.geo.ukans.edu/>).

See News and Notes continued on page 10.

**Form A - Application for the NAMS Student Research Grant**

Applicant's name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

Three most recent universities or other institutions attended. Include the institution that you will attend during the tenure of the NAMS research award, degree sought, and anticipated completion date:

Institution	Dates	Degree
_____	_____	_____
_____	_____	_____
_____	_____	_____

Current Academic Advisor: \_\_\_\_\_

Background in micropaleontology (classes, short courses, workshops):

Date	Instructor	Title
_____	_____	_____
_____	_____	_____
_____	_____	_____

Micropaleontological experience - jobs, research, and publications:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Awards, honors, and funding (include institutional support):

Date	Amount	Agency	Title
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Title of proposed investigation:

\_\_\_\_\_

On a separate page, summarize your research project. Include objectives, research strategy, and significance. Clearly state how you propose to use the NAMS student research award. (\*one page maximum\*)

I agree that the recommendation I am requesting from my faculty advisor will be held in confidence by officials of my institution, and I hereby waive any rights I may have to examine it.                      yes \_\_\_\_\_                      no \_\_\_\_\_

Applicant's signature: \_\_\_\_\_                      Date: \_\_\_\_\_

**Form B - Endorsement by Faculty Advisor**

1. Rank the applicant versus other students you have known who are pursuing the same degree:  
upper 5% \_\_\_ upper 10% \_\_\_ upper 25% \_\_\_ upper 50% \_\_\_ lower 50% \_\_\_

2. Did the idea for the project originate from student? yes \_\_\_ no \_\_\_

3. Can you verify the student's statements as to other awards, honors, or financial aid received or applied for?  
yes \_\_\_ no \_\_\_

4. Please provide a letter of support (maximum 1 page, please) that summarizes your assessment of the project and the applicant's potential to attain the stated objectives (intellectual ability, creativity, perseverance, communication skills, etc.).

Faculty supervisor

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**2003 GSA Annual Meeting**  
**Nov 2-5**  
**Seattle, Washington**



**Selected Highlights**

**Friends of Journal of Paleontology**

Monday, November 3, 2003 4:00-5:30 PM, Sheraton: Cedar

**Cushman Foundation Reception & Award Ceremony**

Monday, November 3, 2003 7:00-11:00 PM, WSCTC: 201

**Paleontology/Paleobotany VII: Macroecology, Sampling Issues, and Preservational Bias**

Wednesday, November 5, 2003 1:30-5:30 PM  
Washington State Convention and Trade Center 4C-4

**Signs of Life: the Role of Paleobiology in the History of Evolutionary Theory and our Attempts to Understand the Changing Nature of the Biosphere** (GSA History of Geology Division; Paleontological Society; Society of Vertebrate Paleontology; Cushman Foundation; History of Earth Science Society [HESS])

Monday, November 3, 2003 8:00-12:00 PM  
Washington State Convention and Trade Center 4C-4

**Paleontological Society Short Course, 2003**

**Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences**

GSA Meeting, Seattle, WA, Saturday, November 1 (8:00am-5:00pm)  
Sheraton Hotel Grand Ballroom A

Co-Organizers: Lisa Park (University of Akron), Alison Smith, Kent State University

8:00- 8:15 Introduction and Welcome (Alison Smith, Kent State Univ.)  
8:15- 8:30 A tribute to Richard Benson (Stephen Schellenberg, UCSC; Tom Cronin, USGS)  
8:30- 9:00 Evolutionary history of the Ostracoda and the origin of nonmarine faunas (Lisa Park, Univ. Akron)  
9:00- 9:30 Sexual morphology, reproduction, and the evolution of bioluminescence in ostracoda (Anne Cohen, California Academy of Sciences)  
9:30-10:00 Phylogenetic reconstruction of ostracodes—a molecular approach (Koen Martens, Univ. Amsterdam)  
10:10-10:15 Break  
10:15-10:45 A biomechanical theory of ostracode carapace morphology (Richard Benson, Smithsonian Inst.; Stephen Schellenberg, UCSC)  
10:45-11:15 Morphometric methods for applied ostracodology: tools for outline analysis of non-marine ostracodes (Dan Danielopol, Austrian Acad. Sciences)  
11:15-12:00 Ostracodes and their shell chemistry: implications for paleohydrologic and paleoclimatologic applications (Emi Ito, Univ. Minnesota)  
12:00- 1:00 Lunch  
1:30- 2:00 The use of ostracodes in paleoenvironmental studies, or what can you do with an ostracode shell? (Ian Boomer, Univ. Newcastle)  
2:00- 2:30 Key events in the ecological radiation of the Ostracoda (David Horne, Natural History Museum, Univ. London)  
2:30- 3:00 Ostracodes as hydrologic indicators in springs, streams, and wetlands: a tool for environmental and paleoenvironmental assessment (Alison Smith, Kent State Univ.)  
3:00- 3:15 Coffee break  
3:15- 3:45 Linking ostracodes to climate and landscape (Brandon Curry, NANODE database)  
3:45- 4:15 Deep-sea ostracodes and climate change (Tom Cronin, USGS)  
4:15- 4:30 Ostracoda on the internet (Roger Kaesler, Univ. Kansas)  
4:30- 5:00 Future trends and goals in ostracode research (Jonathan Holmes, Univ. Collage London)

**GSA Topical Session**

**Bridging the gap: Ostracodes in the Earth Sciences**

Sunday, Nov. 2, 2003, 1:00-3:45 pm  
Washington State Convention and Trade Center 3B

1:00 Are some species better proxy indicators than others? Some case studies from Ostracoda.  
Lisa Park, R.D. Ricketts, Kenton Trubee  
1:15 A taphonomic study of lacustrine subfossil ostracodes and application to paleo-lake level: Lake Tanganyika, East Africa  
J.M. Van Alstine  
1:30 Ostracode-inferred lake-level history of Lake Tanganyika, East Africa, for the past 2500 years  
Simone Alin and Andrew Cohen  
1:45 Sensing Quaternary climate change through hydrology: the ostracode connection  
B. Brandon Curry  
2:00 Environmental constraints on ostracode habitats in springs, wetlands, and streams of the United States  
Jesse Davis, Alison Smith, Donald Palmer, R.M. Forester, B.B., Curry  
2:15 Ostracode shell chemistry: an alternative to measure metal pollution of aquatic systems  
Manuel Palacios-Fest, Lisa Park, Jordi Gonzalez Porta, Martha Palacio-Fest, Tuxpam Semarnat, George Dix  
2:30 Morphometric methods for applied ostracodology: tools for outline analysis of nonmarine ostracodes  
Angell Baltanas, Dan Danielopol, Johan Linehart  
2:45 Ostracoda from Miocene deep-water deposits in central Chile: preliminary results  
Dawn Peterson, Kenneth Finger, Sven Nielsen, Alfonso Encinas  
3:00 An ostracode with soft parts from the Silurian Herefordshire Konservat-Lagerstätte  
David Siveter, Mark Sutton, Derek Briggs, Derek Siveter  
3:15 Ostracoda in evolutionary studies of light and vision: molecular and phylogenetic perspectives  
Todd Oakley  
3:30 The ontogeny and evolution of fossae arrangement in the deep-sea ostracode genus *Poseidonamicus*  
Gene Hunt

## NEWS AND NOTES (cont.)

The Directory of Paleontologists of the World is a searchable database that contains self-entered data listing professional and contact information for paleontologists around the world. The directory provides detailed professional information, including taxa studied and their corresponding ages and geographic regions and individual academic specialties. Both professional and amateur paleontologists are encouraged to submit entries to the Directory of Paleontologists of the World: (<http://ipa.geo.ukans.edu:591/Directory/>).

Fossil Collections of the World is a searchable database that contains self-entered data describing a variety of aspects of fossil collections from around the world. In addition to providing contact information for collection personnel, the directory provides detailed information about individual collections, including a listing of taxa and eras represented by the collection, general and specific emphases of the collection, methods of curation, and related publications. Curators and collection managers of fossil collections are encouraged to submit entries to Fossil Collections of the World: (<http://ipa.geo.ukans.edu:591/Fossil/>).

PaleoLink is a searchable database of self-entered data concerning paleontology-related web sites. PaleoLink provides a dynamic list of links allowing users to find more easily those sites that match their particular interests. Anyone responsible for the creation or maintenance of a paleontology-related web site is encouraged to submit an entry to PaleoLink: (<http://ipa.geo.ukans.edu:591/PaleoLink/>).

### **CRETACEOUS CARBONATE RESERVOIRS & SOURCE ROCKS: GOLDEN LANE/POZA RICA TREND-CLASSIC TERTIARY TYPE LOCALITIES: TAMPICO/MISANTLA BASIN-MODERN PATCH REEFS: VERACRUZ/ANTON LIZARDO, MEXICO**

Leaders - Paul R. Krutak: Geoservices International; Rye, Colorado 81069; e-mail: [pkrutakgeos@hotmail.com](mailto:pkrutakgeos@hotmail.com)  
Gus A. Morales: Valencia Community College; Orlando, Florida 32818; e-mail: [gmorales@valencia.cc.fl.us](mailto:gmorales@valencia.cc.fl.us)  
Manuel R. Palacios: Terra Nostra Earth Sciences Research; Tucson, Arizona 85741; e-mail: [terra\\_nostra\\_mx@yahoo.com.mx](mailto:terra_nostra_mx@yahoo.com.mx)




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Dates: Oct. ? - Oct. ?, 2004 (5 days) Preconvention?  
Location: Begins and ends in Veracruz, Mexico.  
Tuition: \$1,534; Includes transportation, lodging, lunches, guidebook and course materials.  
Limit: 20.

The first part of this 5-day field excursion involves study and sampling of many of the classic Tertiary localities in the Tampico/Misantla Basin (Chapapote, Chicontepec, Escolín, Horcones, Mesón, and Tuxpan). Participants will be able to obtain outcrop samples for later thin section and/or micropaleontological analysis. The seminar also includes study of the classic outcrops of the Sierra de El Abra reef knolls, which crop out near the village of Taninúl, Mexico. Subsurface equivalents of the El Abra occur in the Golden Lane oil fields of the Tuxpan area. The subsurface El Abra contains most of the facies found in the surface outcrops, and are part of a giant supercharged petroleum system in the southern Gulf of Mexico, the Pimienta-Tamabra (!), that has total reserves of 66.3 BBO and 103.7 TCF of natural gas (~83.6 BBOE). During the field excursion, participants will be able to examine and study two slabbed cores and associated thin sections from two wells in the Golden Lane trend: (1) the #101 Las Cañas, and (2) the #1 Mesita. The seminar will end in Veracruz, Mexico where we will visit the Fortress of San Juan Ulúa, which was constructed from coral quarried from the modern Gallega Reef. During this portion of the seminar, new sedimentologic data will be presented concerning modern hybrid (mixed) carbonate reef systems, which are being stressed by advancing siliciclastics. Many similar ancient systems have produced significant volumes of hydrocarbons. This seminar ties surface and subsurface data together, and will result in new exploration perceptions of seismic data, both from the reservoir engineer's viewpoint and biostratigraphic/lithofacies aspect.



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# ODP/IODP TRANSITION

## ODP SAILS INTO SUNSET

JOIDES Resolution demobilization activities were completed on 30 September 2003, the last day of the Ocean Drilling Program. Drilling for the Integrated Ocean Drilling Program (IODP) is expected to start in June 2004. The JOI Alliance (Joint Oceanographic Institutions, Inc., Lamont-Doherty Earth Observatory, and Texas A&M University) has been selected as the IODP Riserless Vessel Systems Integration Contractor. The riserless vessel will be the JOIDES Resolution for the first few years of IODP.



A new international scientific ocean drilling program will begin in October of 2003. The interim Science Advisory Structure (iSAS) of the Integrated Ocean Drilling Program (IODP) is now accepting drilling proposals that make use of the multiple drilling platforms that will be available in this new program.

### United States and Japan Sign Memorandum of Cooperation for Integrated Ocean Drilling Program

*IODP will foster continued study of Earth's geologic processes*

Arlington, Va.—The United States and Japan have signed a Memorandum of Cooperation, effective April 22, 2003, to proceed with the Integrated Ocean Drilling Program (IODP). The program will be co-led by the U.S. National Science Foundation (NSF) and the Ministry of Education, Culture, Sport, Science and Technology (MEXT) of Japan and will use cores of sediment and rock from the ocean floor to study the geologic processes that modify our planet, the history of those changes in oceans and climate and the extent and depth of the planet's biosphere.

Although NSF and MEXT will provide the primary scientific facilities for IODP, significant scientific and financial participation is expected from European and Asian nations. IODP is scheduled to begin on October 1, 2003, and will have an initial duration of 10 years

Proposals to IODP should address the scientific themes described in the IODP Initial Science Plan (now available at [www.iodp.org](http://www.iodp.org)). The proponents should indicate how the proposed ocean drilling will significantly advance our scientific understanding of Earth processes that are addressed under these broad themes.

Until the official start of IODP, an interim Science Advisory Structure (iSAS) will accept and evaluate all drilling proposals. For the latest guidelines on preparing and submitting drilling proposals during the interim period, please consult the iSAS web site (<http://www.isas-office.jp>) or contact the iSAS Office directly at Japan Marine Science and Technology Center, 2-15 Natsushima-cho, Yokosuka 237-0061, Japan. E-mail: [isasoffice@jamstec.go.jp](mailto:isasoffice@jamstec.go.jp)

## NAMS Renewal Information

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- 2001 - please pay \$10.00 for 2002 dues, \$10.00 for 2000 dues, and \$.50 late fee.
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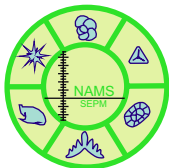
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Thanks!

The next issue of *NAMS News* will be published before the 2004 AAPG Annual Meeting. Please send news to the Editor through **March 30, 2004**. News regarding meetings, symposia, people, books, internet information, software, new journal articles, and just about anything else regarding micropaleontology is welcome. Submit your news by email (preferred), FAX, letter, or phone to the Editor:

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