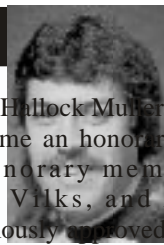


## PRESIDENT'S LETTER



As of April I replaced Gregg Blake as NAMS President. I couldn't have made the transition without the guidance of Gregg and Hilary Olson; I'd like to thank both of them. You'll find that the Fall 1997 NAMS Newsletter contains a ballot to register your choice for President and Secretary. We have a talented slate of candidates thanks to the nominating committee: John Barron, Scott Snyder, and Sally Zellers. Please return your ballots to me by December 15, 1997.

The NAMS executive board would like to thank Michael Dumont and Yoram Eshet for participating in the Marine Micropaleontology Research Group discussion held at the annual AAPG meeting in April (the traditional time of the annual NAMS business meeting). We would also like to congratulate Megan Jones of Louisiana State University, this year's recipient of a NAMS book award. Please encourage students to become members of NAMS, it's a very inexpensive way to stay connected with the North American micropaleontological community. By the way, if you are planning to attend the 1998 AAPG meeting in Salt Lake City, all NAMS members are welcome to attend the business meeting.

At the April meeting, Pamela Hallock Muller nominated Bill Berggren to become an honorary member of NAMS (other honorary members include Helen Tappan, Gus Vilks, and A.D. Warren). This motion was unanimously approved by the executive committee. Bill was on the interim council that founded NAMS in 1977 and he served as NAMS President in 1980-81. Congratulations, Bill!

NAMS has contributed financial support to the Paleontological Society's short course entitled "Learning from the Fossil Record". This very successful teacher's workshop was first offered last year at the GSA meeting in Denver and will be offered again at this year's meeting in Salt Lake City. The accompanying collection of exercises (Paleontological Society Papers, volume 2, Oct. 1996, edited by Judy Scotchmoor and Frank McKinney) contains micropaleontological contributions from NAMS members Warren Allmon, Steve Culver, Brian Huber, Jere Lipps, Paul Loubere, Hilary Olson, Brian O'Neill, Scott Snyder, and Karen Wetmore. This is an excellent resource containing some great ideas for your intro historical and micropaleo labs.

I have been inspired over the years by some of the issue-driven messages of past NAMS Presidents. One issue of relevance to many NAMS



Attendees of the PaleoForams '97 conference held in Bellingham, Washington in September. (See report, page 6)

Back row: Ronald Besems, Johann Hohnegger, Merlynd Nestell, Ted Danner, Galina Pronina, Yasuhiro Ota, Anna Durkina, Maria Konovalova, Elisa Villa, Valery Vuks, Tom Dignes, Svetlana Remizova, Katsumi Ueno, Titima Charoentitirat, Keith Knabe, Walt Snyder, Alexandra Dzhenchuraeva, Ken Bell, John Groves, Luc Hance, Demir Altiner, Elena Kulagina, Paul Brenckle, Cal Stevens, June Ross

Front row: Bernard Mamet, Stephen Gallagher, Charlie Ross, Greg Wahlman, Nilyufer Gibshman, Sally Zellers, Jerry Liszak, Yoshihiro Mizuno, Ron Waszczak, Fumio Kobayashi.

## PRESIDENT'S LETTER (contd)

members is the role of micropaleontology-based research in the face of changing analytical tools and proxies of environmental change, particularly the growth of geochemistry.

In September, a workshop was convened at the Senckenberg Museum in Frankfurt, Germany. "Paleo 21: Paleontology in the 21st Century" was organized to suggest goals and provide a vision for paleontology as we enter the new century. Because the number of workshop participants was limited, paleontologists from around the world were invited (e.g., via PaleoNet, Micropal) to participate in the discussion electronically. Preliminary draft statements for diverse facets of paleontology are posted on the Paleo21 website: <http://www.nhm.ac.uk/paleonet/paleo21/>. Soon, a Draft Report will be posted on the same site for the second phase of the Electronic Conference. If you haven't yet visited this site, I urge you all to do so and contribute to the on-going discussion.

I read the summaries compiled by the delegates to the electronic conference on paleontology. I was encouraged by the optimistic assessments about the state of paleontology, including the opinions regarding research funding and industry hiring. However, I was struck by the paucity of discussion about the value of studying microfossil assemblages as biotic proxies of environmental change. Microfossil shells are more than simply the recorders of stable isotopes! They represent part of the life that existed in the plankton and the benthon. They provide a glimpse at how the biota responded to changing environmental conditions. This valuable message is often lost in the blur of geochemical data that can be generated from the microfossil shells or other components of the sediment. Studies of temporal and spatial changes in the composition of those assemblages provide a complementary tool to chemostratigraphic analyses. In addition, many of these same microfossils provide the chronostratigraphic framework (biostratigraphy) for chemostratigraphy and sequence stratigraphy.

The use of fossil assemblage data is a powerful tool for reconstructing paleoenvironment and past global climate change, particularly when coupled with other proxies such as geochemistry and sedimentology. However, our limited knowledge of the biology, autecology, and trophic complexities of some micro-organisms has limited the interpretive potential of microfossil assemblages. Such barriers are gradually eroding. Research on diatom biology and physiology, for example, has yielded a rich literature with applications to studies of carbon cycling and paleo-oceanography. Increasingly, those of us who study ancient calcareous microfossil groups are reaping the benefits of research on the living organisms. Over the last decade or so, micropaleontologists, biologists, and microbial biologists have made significant contributions to our understanding of extant coccolithophorids and foraminifera, and foraminiferal symbionts (e.g., see "Coccolithophores", edited by A. Winter and W.G. Siesser, 1994 Cambridge Univ. Press; "Forams'94" special issue of *Marine Micropaleontology*, vol. 26, edited by M.L. Langer, December, 1995; or the February, 1997 issue of *Geotimes*). These advances

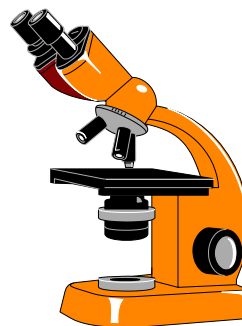
have permitted a renewed interest in, and increased value of, micropaleontologic data as part of multidisciplinary studies of basin analysis, sequence stratigraphy, paleoceanography, paleo-climate, and global environmental change.

The growing knowledge-base of microfossil biology and ecology provides us with new tools to address questions of environmental change, as well as strengthening the linkages to geochemical data. To me, these findings provide a new paradigm for paleoecology which should boost the value of micropaleontology-based research. However, if we wish to promote the utility and application of paleobiologic or paleoecologic studies, then we must clearly communicate the interpretive potential of assemblage data to a non-paleontological audience, while acknowledging the taphonomic or biological limitations. We must also integrate our micropaleontological data with other studies, particularly sedimentology and geochemistry.

It is an exciting time to be a micropaleontologist. Micropaleontology represents an important segment of the paleontological community, both in terms of numbers of specialists, and in our contributions to paleontological-based science. Using the biotic record to test models of changing environmental parameters or evolutionary processes, provides important insights into the complex workings of the ocean-climate system and the mechanisms by which the biota responds to changing environmental pressures. My sense is that we need to better communicate the renewed value of paleontological data while integrating that data with other proxies used to reconstruct Earth history.

I'd like to thank Tim Bralower, Chris Maples, Connie Sancetta, and Oona West for sharing some of their thoughts with me about the role of micropaleontology-based research today.

-NAMS President Mark Leckie  
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NAMS NEWS is published two times a year, just before the GSA meeting in the fall and AAPG meeting in the spring, by NAMS. Submissions are always welcome. Copyright 1997.

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### NAMS Student Book Award, 1997

At the Annual NAMS Business Meeting at AAPG in Dallas last April Megan Jones was selected to receive the student book award. The award, in the form of a \$100 check, is given each year to a current student member of NAMS. Megan completed her Ph.D. in palynology at Louisiana State University in the spring of this year and is currently a post-doctoral fellow at University of Minnesota-Twin Cities campus. The NAMS officers recognize that more student members are needed for the organization and would like to encourage all members to recommend NAMS membership to any and all students they feel may be interested.

### Treasurer's Report

As of April 5, 1997, the NAMS treasury contained approximately \$8,200. From the period of May 1, 1996 to March 31, we received about \$1,650 from member dues, T-shirt sales, interest on the account, and profit from the 1996 AAPG Field Trip in San Diego, CA. Expenditures for the same period were just over \$2,240. This cost includes newsletter expenses, the secretary's expenses, mementos for past NAMS officers, the 1996 Cushman/NAMS GSA Reception, the NAMS student Book Award, taxes and filing fees.

-Sally Zellers

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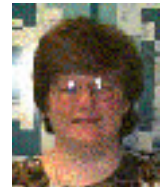
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## Berggren Honorary NAMS Member

William A. (Bill) Berggren was elected a NAMS honorary member at the most recent executive council meeting. Bill was born in New York City and attended Fordham Preparatory School and Dickinson College, a liberal arts school in pastoral southeastern Pennsylvania. After earning a Masters degree at the University of Houston, he completed a Ph.D. at the University of Stockholm, a post-doctoral year at Princeton University, and a two year stint as a research paleontologist with Oasis Oil in Libya. Bill began his studies at the Woods Hole Oceanographic Institution in 1965; he became a Senior Scientist in 1971, continuing to his recent retirement and appointment as Emeritus Senior Scientist. In addition, he served as an Adjunct Professor at Brown University, commuting to Providence, Rhode Island, to spread the gospel of Cenozoic foraminifera. He has been an Adjunct Docent at the University of Stockholm for 30 years, a Research Associate of the American Museum of Natural History (New York), and a visiting professor at Madras University (India) and Universite Claude Bernard (Lyon, France). In 1989, he was elected to the U.S. National Academy of Sciences. He is a Fellow of the Geological Society of America, an Honorary Fellow of the Geological Society of London, recipient of the Mary Clark Thompson Medal, a member of the U.S.-U.S.S.R. cultural exchange programs (1962, 1988), and a Visiting Scholar to the People's Republic of China. Bill was on the Interim Council which founded NAMS in 1977 and served as President from 1980-81.

Bill's early scientific career established him as an authority on Paleogene planktonic foraminifera. He was one of the pioneers of the Deep Sea Drilling Project and one of the founding fathers of paleoceanography. However, he is best known for his work on geological time scales, publishing the first detailed Cenozoic geological time scale in 1971 and the first truly integrated magneto-biostratigraphic time scale in 1985. His most recent Cenozoic geochronology and chronostratigraphy was published in *SEPM Special Publication no. 54*, 1995, "Geochronology Time Scales and Global Stratigraphic Correlation." Bill's trademark continues to be his international connections. After a career of scientific globetrotting that included opening of Russian and Polish micropaleontology to the west, he splits his time between France and Woods Hole. Don't expect Bill to slow down after retirement: if you see a bearded scientist running through an airport flailing boxes of scientific documents, it is probably Bill Berggren on his next quest to visit outcrops and labs throughout the world.

-Kenneth G. Miller, Rutgers University

## Gulf Chronostratigraphic Chart

A chart entitled "Late Cenozoic Chronostratigraphy of the Gulf of Mexico" compiled by Michael J. Styzen of Shell Offshore Inc. is now available from the Gulf Coast

Section SEPM Foundation (see also their web site: <http://www.gcssepm.org>). The chart details Shell's Gulf coast biostratigraphic zonation and an interpretation of how it fits into commonly used industry and standard worldwide zones. It includes foraminifera (benthic and planktonic), calcareous nannofossils, and pollen zonations. The chart can be ordered for \$15 plus shipping and handling from: Earth Enterprises Inc., P.O. Box 672, Austin, TX 78767. Tel 512-345-3007

## Micropaleontology for Children

Math/Science Nucleus is a non-profit organization that provides curriculum material for teachers. They have a "Microscope Trunk" used to guide teachers (K-8) in their instruction. They are looking for innovative labs for use with younger students. They use a reflecting microscope, with 25x magnification. They also need cleaned samples for children to "pick". Donations are tax-deductible. Contact Joyce Blueford, MSN, 4009 Pestana Place, Fremont, CA 94538-6301 (510) 490-6284; [blueford@msnucleus.org](mailto:blueford@msnucleus.org) <http://msnucleus.org>.

## Biostratigraphy Of Sakhalin

Lisa White (San Francisco State University) and Joyce Blueford (Math/Science Nucleus) are working with Dr. Yuri Gladenkov and his laboratory at the Russian Academy of Sciences, Moscow to study the biostratigraphy of Sakhalin Island, Russia. Through industry sponsorship, the joint project has made three field trips and produced six volumes of material. They are planning a second core workshop in May, 1998 at the Math/Science Nucleus in Fremont, California and contemplating a field trip to West Sakhalin in August, 1998. For more information please contact Joyce Blueford (see above article).

## Special Issue of Palaios

Sally Zellers (Texaco) and John Armentrout (Mobil) are organizing a special theme issue of *Palaios*, entitled "Biostratigraphic Tools for Sequence Stratigraphic Analysis: Techniques, Criteria, Case Histories." They invite short articles (6-8 published pages) that contain practical information about biostratigraphic tools used in sequence stratigraphy. They hope to show examples from a variety of different fossil groups, basin types and geological ages.

Details for authors:

20 manuscript pages (exclusive of figures and refs)

Follow the "Instructions to Authors" provided on the inside cover of *Palaios*

Submittal for Review: December 15, 1997

Publication Target: Late 1998

Submit 3 copies of your manuscript to:

Sally D. Zellers, Texaco Inc., 4800 Fournace, Bellaire, Texas 77401. Tel 713-432-2734  
Email [zelleds@texaco.com](mailto:zelleds@texaco.com).

## Tools For The Biostratigraphic Workstation: RASC, CASC and MAKEDAT

RASC and CASC are computer programs for biozonation and correlation, with estimates of uncertainty in relative time. The basic method was released in 1985. In 1991 Felix Gradstein and Frits Agterberg started on newly released version 1.5 of RASC, that incorporates significant new features and much improved layout of results. RASC stands for Ranking and SCaling, CASC for Correlation And Standard-error Calculation. The programs can use as many as 900 fossil events in as few as 4 wells, or as many as 100+ wells. A majority of wells should show substantial stratigraphic overlap. Fossil events commonly used for RASC-CASC are first and last occurrences of taxa in wells or outcrop sections, and also first common and last common occurrences of these taxa. RASC has been applied to a wide variety of microfossils, including dinoflagellate cysts, pollen/spores, diatoms, radiolarians, benthic and planktonic foraminifers, and also physical log markers inserted in zonations. Published literature on and with the method is extensive and is listed in the programs manual. More information, including pricing, available from Frits Agterberg (490 Hillcrest Avenue, Ottawa, Ont. K2A 2M7, Canada) or via email: fagterberg@gsc.NRCan.gc.ca or felix.gradstein@saga.telemax.no.

## SOFTWARE ON THE WEB

Norm McLeod's PaleoNet website includes a collection of paleo-related freeware. Current offerings include PCA-analysis, graphic correlation, and a Hypercard-based taxonomy package. Check it out: <http://www.ucmp.berkeley.edu/Paleonet/ftp/ftp.html>

## GERMAN PALEONTOLOGISTS

The "Palaeontologische Gesellschaft", which is the society for the German speaking paleontologists, now has a homepage. The Society currently has about one thousand members, many of which are micropaleontologists, mostly from Germany, Switzerland, and Austria. They publish the journal "Palaeontologische Zeitschrift" and the newsletter "Palaeontologie aktuell". Tune in at: <http://www.geologie.uni-halle.de/igw/pal/palges/pg1.html>

## NAMS ON THE WWW

NAMS made our web debut last April with the help of the University of Texas Institute for Geophysics as host. Ben Sloan is principal webmaster. Current offerings include:

- About- info on NAMS, officers, constitution, etc.
- News- events, publications
- Members- email directory (are you on it?)
- Links- to paleontologic web sites
- Newsletter- the current newsletter!

Your comments and submissions to the web site are urged. <http://www.ig.utexas.edu/nams/nams.html>

## FREE WEB COURSE INTRODUCTION TO APPLIED BIOSTRATIGRAPHY

Part one of this web course covers the basics. The three-part course will progress from basic to advanced subjects. Questions and discussion of each part will be incorporated as the seminar progresses.

Ideas covered:

- Basic and advanced uses of paleontology
- The basis for paleoecology
- Quality control
- Other applications of paleontology such as subsalt and deepwater

<http://members.aol.com/earthview/EV1.html>

## FORAMINIFERA REFERENCES

The web site of the Grzybowski Foundation, a Polish micropaleontology group founded by master of agglutinants Mike Kaminski, now features a bibliography of recent papers on Foraminifera. Current holdings include several hundred papers from 1992-1996. <http://www.ucl.ac.uk/geolsci/Grzybowski/foramrefs.html>

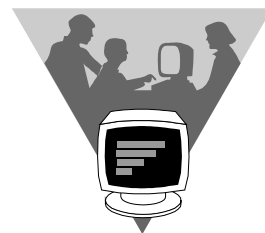
## NORTH AMERICAN POLLEN DATA

The Illinois State Museum and the NOAA Paleoclimatology Program have compiled a database of pollen collected from over 600 sites in North America. They also have a list of over 2,000 sites from which they would like to have data. <http://www.ngdc.noaa.gov/paleo/napd.html>

## PLANKTICS ATLAS WIRED IN

Heinz Hilbrecht of ETH-Zurich has made available "Extant Planktic Foraminifera And The Physical Environment In The Atlantic And Indian Oceans", an online atlas based on CLIMAP and Levitus (1982) data. The atlas presents an analysis of relative abundances of extant planktic foraminifera (>150 µm) in surface sediments of the Indian Ocean and the North Atlantic, including relevant environmental data.

[http://www.erdw.ethz.ch/~heinz/HH1996/aa\\_start.html](http://www.erdw.ethz.ch/~heinz/HH1996/aa_start.html)



## MEETING REPORTS

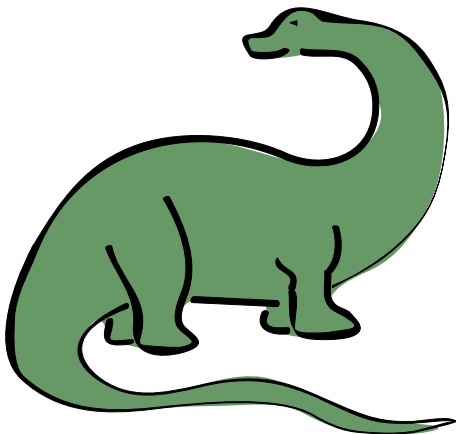
### PaleoForams '97 A Success

The PaleoForams '97 Conference was held in Bellingham, Washington in September and was attended by 37 participants including specialists from 15 countries. Participants' diverse backgrounds in the fields of Paleozoic biostratigraphy and foraminiferal studies were inspiring. The format for the four day conference was for a 30 minute presentation followed by a 15 minute discussion. The extended abstracts were published and distributed at the meeting as Cushman Foundation for Foraminiferal Research Special Publication 36.

The proceedings and a post-conference field trip guidebook are available from the Cushman Foundation for Foraminiferal Research, Museum of Comparative Zoology, Harvard University, 26 Oxford Street, Cambridge, Massachusetts, 02138, U.S.A., for US\$40.00. The reference is C. A. Ross, J. R. P. Ross, and P. L. Brenckle, editors, 1997, Late Paleozoic Foraminifera, their biostratigraphy, evolution and paleoecology and the Mid-Carboniferous boundary, Cushman Foundation for Foraminiferal Research Special Publication 36, 170 p. and its supplement is P. L. Brenckle and W. R. Page, leaders, 1997, Post-conference field trip to the Arrow Canyon Range, Southern Nevada, U.S.A., 63 p.

Also, a few copies of the guidebook for the pre-conference, 'Field trip to Black Mountain - R. Mountain, U.S.A., Harper Ranch, Kamloops, British Columbia and Marble Canyon, British Columbia, Canada', 91 p., which examined a number of late Paleozoic outcrops in accreted terranes of western Washington and southern British Columbia, may be available from the field trip leader: W. R. Danner (Dept. of Earth and Ocean Sciences, University of British Columbia, Vancouver, B. C., V6T 1Z4, Canada).

-June and Charlie Ross, Co-Covenors



### Paleogene Planktonic Foraminifer Working Group

The tenth meeting of the Paleogene Planktonic Foraminifer Working Group was hosted by Brian Huber in the Smithsonian Institution's Department of Paleobiology. The main purpose of the meeting was to discuss the taxonomy and phylogeny of Eocene planktonic foraminifera. Talks were presented by WG members and much time was spent finalizing a taxonomic database listing Eocene planktonic foraminifer senior and junior synonyms, authors, dates, repositories, and special comments for each species. The group went through the taxonomic listing (saved as an Excel spreadsheet) to make corrections, add missing information, and discuss the taxonomic status of the senior and junior synonyms. USNM species that should be photographed using the SEM were noted. Currently there are 107 senior synonyms that will need to be included in the Eocene Atlas.

Their next meeting will be in Tuebingen from 12-14 December, 1997 and will be hosted by Christoph Hemleben. They also plan to meet during the Forams '98 meeting in Monterrey, Mexico, which takes place from 8-10 July. Please contact Brian Huber (huber.brian@nmnh.si.edu) if you are interested in participating in this working group.

### 5th International Workshop On Agglutinated Foraminifera

The Fifth International Workshop on Agglutinated Foraminifera was held at University of Plymouth, Plymouth, England September 7-11, 1997. Nearly 50 participants from around the world attended this meeting organized by Malcolm Hart and held at the university Conference Centre. Although there was a good mix of older and younger foraminifera specialists, including many students, industry was weakly represented as was North America.

Four days of the conference were devoted to the scientific sessions. Oral presentations were given in the lecture hall and posters in the entry hall remained up for the duration. The technical session was divided into four natural groups of talks: Recent Faunas, Quaternary and Cenozoic Faunas, Cretaceous Faunas, and Mesozoic - Paleozoic Faunas. In the Recent research category, topics ranged from the chemical and molecular structure of organic cement in agglutinated foraminifera, to microhabitats, mass mortalities, taxonomy, sea level, environmental (pollution) effects, and taphonomy. A wide range of papers dealt with conventional biostratigraphy and paleoenvironmental studies from many corners of the world. Recurring themes were the

# MEETING REPORTS

oxygen minimum zone, Boreal-Tethyan connections, dissolution, and paleoenvironments. New areas of research focused on the organic cement of agglutinated foraminifera, including such topics as pyrolysis and mass spectrometry analysis of organic cements and linings (glycoproteins), molecular biology and DNA structure of organic cement, and the thermal maturation of organic cement as determined by the Foraminiferal Coloration Index (FCI). Taxonomically, general concepts about the classification of agglutinated foraminifera were discussed, and specific attention was given to numerous genera including Rhabdammina, Astrorhiza, Recurvoides, Trochammina, Jadammina, Balticammina, and Orbitolina. Last, but not least, experimental results on the migration speed of benthic foraminifera were presented, and the fastest foram award went to a "non-agglut", *Hoeglundina elegans* at 20.02 nanometers per minute.

Participants in two field trips enjoyed beautiful fall weather: a half-day pre-meeting salt marsh trip, and a five-day, post-meeting excursion to the Mesozoic of the Dorset Coast.

An early 1998 publication of the proceedings by the Grzybowski Foundation is planned. Contact Malcolm Hart or Mike Kaminski to order a copy. The next workshop on agglutinated foraminifera is tentatively scheduled for the year 2001 in Prague, Czech Republic.

-D.H McNeil & Peter Thompson

## IBC Meeting

The Industry Biostratigraphy Coordinators (IBC) meeting was held August 20th in Houston. Attendees includes representatives from BP, Amoco, Unocal, Shell, Pennzoil, Conoco, Mobil, UTIG, and UT-Arlington. Minutes filed by Sheila Barnett and R.J. White include the following highlights:

Garry Jones (Unocal) gave an update on the Computational Stratigraphy Alliance meeting held in Salt Lake City in July. Several universities, including Stanford, Univ. of Colorado, Rutgers, and possibly LSU, will be using the software and suggesting improvements during the ongoing development stage.

A proposal was made to hold periodic IBC meetings in New Orleans to foster participation from coordinators who cannot attend the Houston meetings.

Dick White gave an update/recap of the Operating Styles Matrix and the issues we identified from the information in this matrix. Some of these issues include: succession-planning, or where is the next generation of biostrats and biostrat coordinators to come from, and how to we facilitate ensuring that there is a next generation; how do we encourage university departments to stress biostratigraphy courses; data generation and management issues and "common data formats" to facilitate data exchange; monitoring changes in EPA/OSHA rules in

handling of sample material; research and development issues in paleo; perception of paleontology vs. biostratigraphy; how we advance the discipline.

Bob Fleisher sent a report on the Applied Paleo Chapter for the AAPG Handbook. The text has gone from the editor to the "production people" at AAPG and is publication is anticipated soon.

Hilary Olson and Jed Damuth gave a presentation on their proposal for a research consortium project entitled "Sea-Level Influences on Gulf of Mexico Intra-slope Basin Sediment Processes". In brief, the project would utilize piston cores, very high-resolution seismic data, side-scan sonar data, and high-resolution swath bathymetry data to address the influences of sea-level changes on sedimentary processes in intraslope basins. The next IBC meeting will be hosted by Unocal in Sugar Land on Wednesday, October 8th.

## Biostratigraphy in Production

In late June the University of Aberdeen hosted a special meeting of the Petroleum Group of The Geological Society of London on "Biostratigraphy in Production and Development Geology". The meeting was organized by Mike Simmons of the university and Bob Jones of BP Exploration and was attended by 120 geoscientists from around the world.

The meeting successfully illustrated the innovative role that biostratigraphy now plays in helping cost effectively maximize recovery from oil fields. About 30 oral and poster presentations were made which illustrated the utility of biostratigraphy in correlating at a reservoir scale and help define reservoir architecture and connectivity. The wellsite applications of biostratigraphy were also emphasized.

Conference proceedings will be published in a special publication of The Geological Society. For more information contact Mike Simmons (m.d.simmons@abdn.ac.uk) or Bob Jones (jonesbob@bp.com).

## Martian Paleo Lunch Bunch

Recent meetings of the Houston Paleo Lunch Bunch have had good turnouts, with as many as 65 industry paleontologists attending the quarterly noontime gatherings. Their next meeting is scheduled for 11:30 am, Tuesday, November 11, 1997 at the Spaghetti Warehouse (901 Commerce at Travis, downtown). Two speakers affiliated with Johnson Space Center, Carlton Allen (Lockheed) and Pamela Morris Smith (University of Houston), will address the question of fossils in Martian meteorites. Rashel Rosen is taking reservations at 713-754-6789.

# MEETING CALENDAR

## 1997

British Diatomists' Meeting  
October 24-26, 1997  
Ford Castle Residential & Field Study  
Centre, Northumberland UK  
contact: Steve Juggins  
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University of Newcastle  
Newcastle upon Tyne NE1 7RU  
Tel +44 (0)191 222 8799  
Fax +44 (0)191 222 5421  
Email [Stephen.Juggins@ncl.ac.uk](mailto:Stephen.Juggins@ncl.ac.uk)  
<http://www.indiana.edu/~diatom/britdiat.mtg>

Gulf Coast Taxonomic Equivalence  
Project  
November 10-14  
New Orleans, Louisiana  
contact: Michael J. Styzen  
Shell Offshore Inc.  
P.O. Box 61933  
New Orleans LA 70161  
Tel 504-588-4308  
Email [mstyzen@shellus.com](mailto:mstyzen@shellus.com)

Palynostratigraphy at Low  
Latitudes  
November 16-19, 1997  
Isla Margarita, Venezuela  
contact: Maria Lorente  
Maraven, PDVSA  
Aparto 629  
Caracas 1010A Venezuela  
Tel 582 908 2381 Fax 582 908 2053  
Email [epxg1@bioserv.maraven.pdv.com](mailto:epxg1@bioserv.maraven.pdv.com)  
<http://opal.geology.utoronto.ca/AASP/norris2.html>

First International Symposium on  
Evolution of Life on Earth  
November 27-29, 1997  
West Siberia, Russia  
contact: Dept. of Paleontology and  
Historical Geology  
Tomsk State Univdrsty  
Lenin ave. 36  
Tomsk 634050 Russia  
Fax 7-3822-222466,226162  
Email [natalia@mineral.tsu.tomsk.su](mailto:natalia@mineral.tsu.tomsk.su)

Ninth Brazilian Meeting Of Paleo-  
botanists And Palynologists  
December 9-12, 1997  
Guarulhos/SP/Brazil  
contact: Maria Judite Garcia  
Universidade de Guarulhos  
Departamento de Geociencias  
Praga Tereza Cristina, 01

Guarulhos, SP, Brazil - 07023-070  
Tel 55 (11) 6464-1708  
Fax 55 (11) 6464-1702  
Email [geo@server.ung.br](mailto:geo@server.ung.br)  
<http://opal.geology.utoronto.ca/AASP/aaspbrasil.html>

## 1998

Tertiary to Recent Larger For-  
aminifera: Their Depositional  
Environments and Importance  
as Petroleum Reservoirs  
February 1-5, 1998  
Pau, France  
contact: Robert Loucks  
ARCO EPT  
2300 W. Plano Parkway  
Plano, TX 75075  
Fax 972-509-3017

7th International Nannoplankton  
Association Conference  
February 10-13th, 1998  
La Parguera, Puerto Rico  
contact: Amos Winter  
Tel 787-265-5416 Fax 787-265-2195  
Email [INA7@rumac.upr.clu.edu](mailto:INA7@rumac.upr.clu.edu)  
<http://www.uci.edu/INA7.htm>

Mexican Paleontological Society VI  
National Convention  
February 11-13, 1998  
Mexico D.F., Mexico  
contact: Marisol Montellano  
Dept. de Paleontología  
Inst. de Geología UNAM  
Ciudad Universitaria  
Coyocán, México D.F. 04510 México  
Tel 52-5-622-4280  
Fax 52-5-550-8432  
Email [marmont@servidor.unam.mx](mailto:marmont@servidor.unam.mx)

AAPG-SEPM Annual Meeting  
May 17-20, 1998  
Salt Lake City, Utah  
contact: AAPG Headquarters  
1444 South Boulder Avenue  
P. O. Box 979, Tulsa, OK 74101  
Tel 918-584-2555 Fax 918-560-2652  
<http://www.geobyte.com>

6th Int'l Conference on Modern  
and Fossil Dinoflagellates  
June 7-12  
Trondheim, Norway  
contact: Morten Smelror

NTNU Museum of Natural History  
and Archaeology  
N-7004 Trondheim Norway  
Tel 47-73 59 21 47  
Fax 47-73 59 22 23  
Email [morten.smelror@vm.ntnu.no](mailto:morten.smelror@vm.ntnu.no)  
<http://www.ntnu.no/vmuseet/dino6>

7th International Conodont Sympos-  
ium in Europe (ECOS VII)  
June 24-26, 1998  
Bologna and Modena, Italy  
contact: M.C. Perri  
Dept. di Scienze della Terra e  
Geologico Ambientali  
Via Zamboni 67, 40126 Bologna,  
Italy  
Tel 3951354456 Fax 3951354522  
Email [perri@geomun.unibo.it](mailto:perri@geomun.unibo.it)

FORAMS '98 International Sympos-  
ium on Foraminifera  
July 7-11, 1998  
Monterrey, N.L. Mexico  
contact: Martha Gamper  
Florida International University  
Geology Department  
University Park Miami, FL 33199  
Fax 305-348-3877  
Email [gamperma@servms.fiu.edu](mailto:gamperma@servms.fiu.edu)  
<http://www.fiu.edu/~longoria/forams98/>

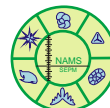
5th International Symposium on  
the Jurassic System  
August 17-20, 1998  
Vancouver, Canada  
contact: Paul Smith  
Earth and Ocean Sciences  
University of British Columbia  
6339 Stores Rd., Vancouver, B.C.  
V6T 1Z4 Canada  
Fax 604-822-6088  
Email [psmith@eos.ubc.ca](mailto:psmith@eos.ubc.ca)  
<http://www.eos.ubc.ca/jurassic/announce.htm>

15th Int'l Diatom Symposium  
September 28-October 2, 1998  
Perth, Australia  
contact: Jacob John  
School of Environmental Biology  
Curtin University of Technology  
GPO Box U 1987  
Perth 6845 Western Australia  
Tel 61 8 9266 7327  
Fax 61 8 9266 2495  
Email [RJACOBJO@cc.curtin.edu.au](mailto:RJACOBJO@cc.curtin.edu.au)  
<http://www.indiana.edu/~diatom/15IDS.html>



# 1997 GSA Annual Meeting

## Salt Lake City, Utah



Monday Morning, October 20

Cushman Foundation Session: S4. Micropaleontology of the Cretaceous Western Interior Seaway: Integration of the Tethyan and Boreal Record

David H. McNeil, Geological Survey of Canada; Mark Leckie, University of Massachusetts.

Monday, October 20

Learning from the Fossil Record Judy Scotchmoor (UC-Berkeley) will teach her popular one-day course for teachers. Sponsored by Paleontological Society, Society of Vertebrate Paleontology, University of California Museum of Paleontology, Paleontological Research Institute, Cushman Foundation and GSA's SAGE Program.

Tuesday Morning, October 21

Paleontological Society Session: S12. Process from Pattern in the Fossil Record

Frank K. McKinney, Appalachian State University; Jeremy B. C. Jackson, Naturhistorisches Museum, Basel, Switzerland; Scott Lidgard, Field Museum.

Tuesday Evening, October 21

Cushman/NAMS Reception. Hosted drinks and appetizers. Wyoming Room of Little America Hotel 7:00 - 11:00 PM.

The Cushman Foundation will also have a booth, #302, at the meeting. Please stop by!

## JOIDES Resolution Legs 176-180



Leg	Region	Co-Chiefs	Dep. Port	Date	Objectives
176	SW Indian Ridge	Dick,	Cape Town Natland	Oct. 15 South Africa	Re-Enter Hole 735B, deepen, test composition of lower crust of a slow-spreading ridge
177	S. Atlantic	Gersonde,	Cape Town Hodell	Dec. 15 South Africa	Core latitudinal transect across the Antarctic Circumpolar Current of the paleoceanic Antarctic region
178	Antarctic Peninsula	Barker, Camerlenghi	Punta Arenas Chile	Feb 14 1998	Drill 8 sites off Pacific margin of Antarctic Peninsula to study Antarctic climate over the past 6-10 m.y.
179	90 East Ridge Indian Ocean	Casey	Cape Town South Africa	April 16 1998	Test new hammer drill tool on the Ninety East Ridge (NERO project) to measure dynamics of the Indian Plate one placing a seismometer
180	Woodlark Basin	Taylor Papua, New Guinea	Darwin Huchon	June 9	characterize the properties of an active 1998 low-angle normal fault zone and determine the timing of fault moving extending lithosphere

# NAMS ELECTION BALLOTS

## PRESIDENT-ELECT CANDIDATES, NAMS 1997

### TIM BRALOWER

Tim Bralower is Joseph Sloane Associate Professor of Geology and Marine Science at the University of North Carolina at Chapel Hill. He has been at UNC-CH since 1990. He was Assistant Professor at Florida International University from 1987-1990. Tim received his BA from Oxford University in 1980, and a Ph.D. in Earth Science from Scripps Institution of Oceanography in 1986. His research focuses on Mesozoic and Paleogene calcareous nanofossil biostratigraphy and its application in solving paleoceanographic, stratigraphic, and tectonic problems. These problems include the origin of Cretaceous black shales, the causes of the latest Paleocene thermal maximum, the timing of the collision between the North American and Caribbean plates, and the improvement of current time scales. Tim has developed classes at FIU and UNC-CH in Historical Geology, Paleobiology, Micropaleontology, Mesozoic and Cenozoic Nanofossils, Earth Climate and Life Through Time, Marine Geology, and Paleoceanography. He has served as Associate Editor of Geology and Marine Micropaleontology, and as a member of the Ocean History Panel of the Ocean Drilling Program. Tim has sailed as a nanofossil biostratigrapher on three ODP cruises.

### HILARY C. OLSON

#### Employment

1996-present Research Fellow Univ of Texas at Austin  
Institute for Geophysics  
1993-1995 Consultant/Teacher Dallas and Austin, Texas  
1988-1993 Sr. Staff and Research Geologist Mobil

#### Education

1988 PhD Geology Stanford University  
1983 BS Earth Sciences University of Notre Dame

#### Recent Professional Activities

NAMS (Secretary 1994-1998); AAPG (Education Committee Member 1992-present); Gulf Coast Section SEPM (Business Representative for Newsletter, 1997-present); Shipboard paleontologist, ODP Leg 174A (1997), New Jersey Margin.

#### Research Interests

Integration of biostratigraphy with seismic stratigraphy, seismic facies analysis, core and log data to address problems of Tertiary climate change, sequence stratigraphic analysis and basin margin history.

#### Recent Publication

Lagoe, M.B., Davies, T., Austin, J. A., and H.C. Olson, 1997, "Foraminiferal constraints on very high-resolution seismic stratigraphy and late Quaternary glacial history, New Jersey continental shelf," *Palaios*, v. 12, p. 249-266.

## SECRETARY CANDIDATES, NAMS 1997

### ANTHONY D'AGOSTINO

Anthony D'Agostino is currently Senior Stratigrapher/Biostratigrapher for PGS Reservoir (US) in Houston. Tony operated his own consulting company, TD Geoscience, from 1993-97. He was employed by ARCO Oil & Gas Co. from 1980 to 1993. Tony acquired his B.S. in geology from Illinois St. University in 1978, and his M.S. from Northern Illinois University in 1980. Since completing his graduate research in Antarctica his attention has been focused on operational problems in bio-, litho-, and sequence stratigraphy, clastic and carbonate sedimentology, and reservoir characterization. He has published research studies on foram biostratigraphy of the Miocene-Recent in the Ross Sea, Eocene sequence biostratigraphy of the Texas Gulf Coast, foram biostratigraphy of the Cretaceous and Cenozoic of the northwestern Pacific, and fusulinid biostratigraphy in the Big Hatchet Mtns. of New Mexico. Tony has also published on the sedimentology, petrography, and ichnofossils of the Wilcox Fm. of Texas and the Jackfork Group in the Ouachita Mtns. of Arkansas. He served as technical program chairman for the West Texas Geological Society, secretary of the Permian Basin Section of the SEPM, program chair for the 1995 Carbonate Symposium of the PBS-SEPM, and has been leader or co-leader of numerous ARCO and west Texas field trips. He is currently a member of AAPG, SEPM (national, Gulf Coast, and Permian Basin sections), West Texas Geological Society, Houston Geological Society, the Pander Society, and NAMS.

### RICHARD FLUEGEMAN

#### Education

1987 PhD Geology University of Cincinnati  
1979 MS Geology Miami University  
1977 BS Geology University of Cincinnati

#### Employment

1990-present Assoc. Prof. Ball State University  
1983-1990 Asst. Prof. Ball State University  
1979-1983 Geologist Texaco, Midland, Tx

#### Research Interests

Paleoecology and biostratigraphy of Paleogene foraminifera of the Gulf and Caribbean.

#### Recent Publications

Fluegeman, R.H., 1997, "The Salt Mountain Limestone of Alabama Part II: benthic foraminiferal paleoecology and biostratigraphy." *Tulane Studies in Geology and Paleontology*, v. 30.

Fluegeman, R.H., 1996, "Preliminary paleontological report on the foraminifera of the Mossy Grove core, Hinds county, Mississippi." *Mississippi Geology*, v. 17, p. 9-15.

### CIRCLE ONE CANDIDATE FOR EACH OFFICE

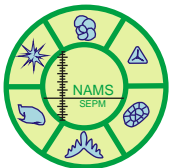
PRESIDENT-ELECT: T. BRALOWER H. OLSON  
NEWSLETTER EDITOR: T. D'AGOSTINO R. FLUEGEMAN

Return to: Mark Leckie, Department of Geosciences, University of Massachusetts, Amherst, MA 01003, by Dec. 15, 1997.



The next issue of NAMS News will be published before the 1998 AAPG Annual Meeting. Please send news to the Editor through May 1, 1998. 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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