



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

September 2005

An Affiliate (1963) of the American Association of Petroleum Geologists (AAPG)

2005-2006 Officers

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President's Column

Dear Members,

John Straker is the lucky owner of the beautiful 1909 Geology of Ohio framed wall map that was donated by MacKenzie Land & Exploration, Ltd. and auctioned off at the OOGA Summer Meeting. John had the winning bid of \$900 following a spirited session of bidding. The entire amount benefited the AAPG Foundation Ohio Geological Society Named Grant. This is an annual grant which will support MS & PhD research projects relating to Ohio geology. It has been founded through the AAPG Grants in Aid Program, an established and effective program. The Society has committed to an ongoing fund raising effort. John Straker's generous bid has brought our fund balance to \$13,400. Anyone who would like to make contributions to build this fund can contact either myself, Pete MacKenzie, or the AAPG Foundation directly (Rebecca Griffin) for details. We hope to eventually bring the total to \$50,000 to fund a \$2000 award per year. Your contributions would be greatly welcomed.

Our 3rd Annual OGS Golf Outing went off without a hitch. We had great weather and 60+ golfers. As always, a huge thanks goes out to all of our sponsors who help make this outing such a success! Check out our skill prize and overall outing winners listed later in this newsletter. Congrats to the winners!

The OGS meeting season is just around the corner. Our first meeting will be Tuesday, September 27. It will be a joint luncheon meeting with AIPG (American Institute of Professional Geologists) at The Midwest Hotel (formerly the Ramada.) Lunch will be at Justin's Place at 11:30 a.m. with the meeting immediately following. Bob Vincent, a professor in the Dept. of Geology at Bowling Green State University, will be giving our talk, *New Wave of Petroleum Exploration in Ohio*. We hope you can attend. If you have any questions or would like to RSVP please contact Don Jennings at 740-788-8836/ seismic@sprynet.com.

Don't forget to register (<http://www.wvgs.wvnet.edu/www/esaapg05/index.html>) for the Eastern Section AAPG annual meeting September 18-20, at the Radisson Waterfront Hotel in Morgantown. Also remember to check our website at <http://www.ohgeosoc.org/> for our upcoming events!

Sincerely,
Nicole Venteris
President, OGS

OGS/AIPG MEETING

Tuesday, September 27th
Lunch at 11:30, talk at 12:30 pm.

Please RSVP for lunch no later than September 23rd to Don Jennings at
seismic@sprynet.com or 740-788-8836.

Midwest Hotel & Conference Center
4900 Sinclair Road
Columbus, OH 43229
614-846-0300
<http://www.ramadahotelcolumbus.com/>

New Wave of Petroleum Exploration in Ohio

Dr. Robert K. Vincent, Professor of Geology at BGSU

Bob Vincent, a professor in the Dept. of Geology at Bowling Green State University, was an entrepreneur in Ann Arbor, Michigan when the 1980's oil boom hit. He will talk about how his company, GeoSpectra Corp., used remote sensing to lease large blocks of structural plays in the Michigan Basin that were mostly successful. This could be repeated in Ohio. He will also talk about his pet project, to have some company drill a wildcat on the BGSU campus. The purpose of the project would be to demonstrate to geology students how oil and gas wells are drilled, as well as to demonstrate to environmental and other students how small the environmental impacts of petroleum exploration are, relative to many other types of commercial operations. This would be an educational drill hole, but since Bowling Green (including at least one producing well on campus) was once part of John D. Rockefeller's earliest oil and gas holdings, there is always the chance that it could also become a producing well.

2005 Ohio Geological Society Golf Outing

Chapel Hill Golf Course Mount Vernon, Ohio

Scramble Winning Team (61) – Greg Ina, Karen Wise, Scott Cardin, Scott Hyland
Pink Ball Winning Team (76) – Gary Sitler, Terry Qusted, Todd Didion, Scott Bartlett
Most Honest Team – Larry Wickstrom, Erik Venteris, Donovan Powers, Joe Wells

- | | |
|--------------------------------------|-----------------|
| 1. Closest Second Shot | Brad Byrd |
| 2. Longest Drive in Fairway | Karen Wise |
| 3. Closest to Pin | Scott Bartlett |
| 4. Straightest Drive in Fairway | Gary Sitler |
| 5. Closest Second Shot | Matt Whitehead |
| 6. Longest Drive in Fairway (Ladies) | Amy Lang |
| 7. Closest Third Shot | Rod Sheets |
| 8. Closest out of sand | John Back |
| 9. Longest Putt | Terry Henning |
| 10. Longest Drive in Fairway | Amy Jo Klei |
| 11. Closest Third Shot | Tom Moore |
| 12. Closest to Pin | Don Lang |
| 13. Longest Putt | Brad Posner |
| 14. Longest Drive in Fairway | Paul Archer |
| 15. Closest Second Shot | Scott Carlin |
| 16. Closest to Pin | Rick Blackstone |
| 17. Shortest Drive in Fairway | Andrea Haight |
| 18. Longest Putt | Jim Shoots |

Please take a moment to thank these sponsors the next time you see them.....

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Hope to see you at the outing next year!!



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July 6, 2005

Ohio Geological Society
Attn: Pete MacKenzie
P.O. Box 14304
Columbus, OH 43214

Dear Pete:

On behalf of the AAPG Foundation, and the Grants-in-Aid Committee, I wish to thank the Ohio Geological Society for their very generous gift of \$12,500, to establish an "Ohio Geological Society" Grant. The \$12,500 will provide an annual grant of \$500.

You indicated in your letter of June 14th concerning the restriction to support a deserving student studying the geology of Ohio or secondly a student enrolled at a university or college in Ohio. This will be included in the instructions to the Grants-in-Aid Committee as they consider a recipient.

On behalf of the Trustees, I want to express our sincere thanks for your very generous gift.

Very best regards,

Richard D. Fritz
Executive Director

cc: AAPG Foundation Trustees



Rocks to Models: An Introduction to 3-D Reservoir Characterization and Modeling

Date: Wednesday, September 21, 8:00 A.M.-5:00 P.M.

Location: Radisson Waterfront Hotel and Conference Center, Morgantown, WV

Instructors: Matt Pranter (University of Colorado, Boulder, Colorado)

and Neil Hurley (Colorado School of Mines, Golden, Colorado)

Fee: US\$75 (includes course notes, refreshments and lunch)

Limit: 45 persons

Who Should Attend

Geologists, geophysicists, and engineers involved in reservoir characterization and 3-D geologic modeling.

Course Content

This course provides an overview of 3-D reservoir characterization and modeling concepts and methods. The course addresses different types of petroleum reservoirs (carbonates, sandstones, fractures) and techniques to define or estimate reservoir architecture and reservoir properties within a sequence-stratigraphic and structural framework.

The material includes an overview of the objectives for reservoir characterization, analysis of porosity and permeability and common methods used to identify reservoir flow units. We will review stratigraphically and structurally compartmentalized reservoirs. We will emphasize the role and significance of outcrop analogs for reservoir characterization and modeling using case studies.

The course covers common methods of constructing 3-D geologic models of petroleum reservoirs. This includes an overview of 3-D geologic modeling techniques, common cell-based (pixel-based) methods, object-based methods, and the use of 3-D seismic data for conditioning reservoir models.

Cost & Registration Information

The fee for the workshop is \$75.00. You can register online at this address:

<http://www.wvgs.wvnet.edu/www/esaapg05/registration.html> or use the form below. **You do not need to register for the ES AAPG conference to attend this workshop.**

Pay to and Mail To: ESAAPG 2005 Registration
West Virginia Geological and Economic Survey
Mont Chateau Research Center
1 Mont Chateau Road
Morgantown, WV 26508-8079

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PHONE: _____ FAX: _____

EMAIL: _____

Update on AAPG EMD Activities

Peter Warwick, President, AAPG-EMD

pwarwick@usgs.gov

The Energy Minerals Division of the American Association of Petroleum Geologists (EMD, AAPG) continues to be very active to promote research and communication among scientists in the areas of remote sensing and earth materials capable of being used for energy production. The EMD is the primary sponsor for several sessions at regional, national, and international AAPG meetings. The EMD website <http://emd.aapg.org>, has recently been updated to include technical reports on various energy mineral commodities and geospatial information. A Members-Only section has been added to the website to provide EMD membership with the latest committee and officer reports, as well as a searchable membership directory. Links to the Energy Minerals Grant (up to \$2000 USD) for students are provided on the EMD website. The application deadline for the Energy Minerals yearly student grant is January 31. Please see the following web page for student grant application instructions: <http://foundation.aapg.org/gia/howto.cfm>

The *Atlas of Coal Geology*, published jointly by EMD and The Society for Organic Petrology (TSOP), continues to be a best seller. This publication along with several others is available for sale via the EMD website. The publications include:

- Sequence Stratigraphy, Paleoclimate, and Tectonics of Coal-Bearing Strata, AAPG Studies in Geology, No. 51 (2004), Edited by Jack C. Pashin and Robert A. Gastaldo
- Unconventional Energy Resources of North America, AAPG Poster (2003), by John R. Dyni
- Atlas of Coal Geology, AAPG Studies in Geology, No. 45 (2000), by Alexander R. Papp, James C. Hower, and Douglas C. Peters
- Geology in Coal Resource Utilization (1991), by Douglas C. Peters

The second edition of the *Atlas of Coal Geology* is planned for publication by both EMD and TSOP. The volume addressing the microscopic aspects of coal, edited by Jim Hower, is progressing well. Authors are needed to handle chapters on sequence stratigraphy, CO₂ sequestration, and stress environments (ground control, etc.). Please contact Jim Hower hower@caer.uky.edu, or Alex Papp apapp5@comcast.net, if you are interested in contributing to this effort.

Other EMD-sponsored publications currently underway or in the planning process include a collection of papers from the recent AAPG Hedberg Gas Hydrate Conference, edited by Tim Collett; a collection of papers on CO₂ sequestration edited by Jack Pashin and others; and a geospatial technology applications CD-Rom, edited by Sam Limerick.

Membership in earth-science professional organizations has recently been in decline. The EMD especially needs your help to continue to promote research in the areas of geospatial and the energy minerals. In order to continue to have a seat on the AAPG Advisory Council, EMD needs to maintain and increase its membership. There is much overlap in the goals of EMD and those of many other geological societies, so EMD invites related society members (if they are not already) to become a member of AAPG and EMD. EMD and AAPG membership application material is available on the following Web site http://emd.aapg.org/membership_form.cfm

POSITION ANNOUNCEMENT

POSITION: Coal Section Head (full-time state-funded appointment)

The Illinois State Geological Survey (ISGS), a division of the Illinois Department of Natural Resources, is a premier state geological survey serving the needs of Illinois by providing geoscience information relevant to the State's environmental quality, economic vitality and public safety. The ISGS is located on the campus of the University of Illinois in Champaign-Urbana, a cultural and educational center that is ranked as one of the top ten "high tech" cities in the US. The area provides an attractive combination of small-city convenience and quality of life with ready access to world-class laboratory and academic facilities, Big Ten athletic events and internationally acclaimed cultural opportunities.

BRIEF DESCRIPTION: Overall management of the Coal Section. Direct research and service activities performed by Coal Section staff; develop innovative research beneficial to the coal industry and related coalbed methane extraction by oil and gas operators; support Illinois' bid for FutureGen; develop proposals to seek external financial support; conduct research based on expertise and interests; represent interests of Coal Section within the Survey and represent the Survey at external functions; administer budget, personnel, publications, technology, space, equipment and other resources of the Coal Section.

QUALIFICATIONS: Master's degree in geology or related field with 12 years of experience in coal geology including mining, coal quality, coalbed methane, resource and reserve assessments, and stratigraphy of coal-bearing intervals, or Ph.D. in geology with 8 years experience as above. Also requires basic understanding of the economics of coal resources; ability to attract funding; experience in the application of computer technology to geologic problems; and ability to effectively communicate scientific information. Some knowledge of coal preparation/cleaning/use, coal combustion processes, coal combustion by-product handling and utilization helpful; coal-related CO₂ sequestration preferred. Strong interest in public-government service.

STARTING SALARY: \$65,000 - \$75,000 (depending on qualifications)

BENEFITS: Generous vacation, sick, and personal leave with 12 paid holidays. State Universities Retirement System. State-sponsored group health, dental, vision and life insurance. University faculty/staff privileges.

CLOSING DATE: September 15, 2005

APPLICATION: For required application form, please contact:

Human Resources
Illinois State Geological Survey
615 East Peabody Drive
Champaign IL 61820
217-244-2401 (phone) 217-244-7004 (fax)
walston@isgs.uiuc.edu
www.isgs.uiuc.edu

Applicants should note that this position is exempt from the State Personnel Code and is under the Board of Natural Resources and Conservation (BNRC) and follows BNRC policies and procedures. This is not a bargaining unit position or a merit comp position. The Illinois State Geological Survey does not discriminate on the basis of race, color, sex, national origin, age, or handicap in admission to or treatment of employment in programs or activities in compliance with the Illinois Human Rights Act, the Illinois Constitution, Title VII of the 1964 Civil Rights Act, Section 504 of the Rehabilitation Act of 1973, as amended, and the U.S. Constitution.

CALENDAR

Information available for OGS meetings at: www.ohgeosoc.org
or contact Don Jennings at seismic@sprynet.com, 740-788-8836.

- September 11-14 TSOP 2005 Meeting, Brown Hotel, Louisville, KY. igs.indiana.edu/tsop2005
- September 18-20 AAPG Eastern Section 2005 Meeting, Radisson Waterfront Hotel and Conference Center, Morgantown, WV. www.wvgs.wvnet.edu/www/esaapg05/
- September 21 AAPG Eastern Section/PTTC Workshop – “Rocks to Models: An Introduction to 3-D Reservoir Characterization and Modeling”, Radisson Waterfront Hotel and Conference Center, Morgantown, WV. www.wvgs.wvnet.edu/www/esaapg05/
- September 27 OGS/AIPG Luncheon Meeting, Midwest Hotel & Conference Center, Columbus, OH.
- October 19 OOGA Fall Golf Outing, Salt Fork Resort and Conference Center, Cambridge, OH. www.ooga.org/
- October 20 OOGA Fall Technical Conference, Salt Fork Resort and Conference Center, Cambridge, OH. www.ooga.org/
- October 20 PTTC/MOGA Workshop – “Part II – Undiscovered Oil and Gas in the Michigan Basin”, Holiday Inn, Mt. Pleasant, MI. wst023.west.wmich.edu/pttc.htm

Check the OGS website at www.ohgeosoc.org/otherevents.html or the PTTC website at karl.nrcce.wvu.edu/calendar.htm for other meetings and events.

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