



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

June 2008

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

2007-2008 Officers

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IT WAS A VERY GOOD YEAR FOR OGS!

As I look back on a year filled with opportunities for the membership to attend interesting and informative meetings and participate in fun-filled activities such as the annual golf outing and the Winter Gala, I am content that this year's officers fulfilled their leadership missions in a manner consistent with the high standards set by previous officers. To be perfectly honest, much of the consistency is the result of Amy Lang's willingness to continue to serve so effectively on the executive committee. Chris Gordon has done a great job with meeting and speaker arrangements, and related matters. John Miller has kept the Society's finances in order and has pitched in with many other tasks. Nicole Venteris has been a much appreciated "utility officer" and has stepped up on numerous occasions to help with all aspects of society activities. Don Jennings and Alison Nutter were the ringleaders of the always popular Annual Golf Outing. Sincere thanks also to the many sponsors for the generous contributions that help make this event so successful. John Forman has a long history of supporting the Society with generous contributions of time and talent as exemplified by his role as Judging Chairman for State Science Day. Thanks also to this year's judges: John Miller, Jim McDonald, Erik Venteris, Chris Gordon, and Cathy Forman. It goes without saying that the OGS website would not be the friendly and informative place that it is without the efforts of Jim McDonald.

For my part, I hope to have facilitated a dialogue and spirit of cooperation with the Ohio Section of AIPG. As a member of both geological organizations, I've tried to see what works best in each organization and pass along this information to the other group as a means of strengthening both. A lot can be accomplished by mutual cooperation and I hope that there will be a great deal more of this in the years to come.

Thanks also to Ron Riley for his excellent May 15 presentation: "Ohio Geological Survey CO₂ No. 1 Well in Tuscarawas County, Ohio". A really good crowd was on hand for Ron's presentation related to carbon dioxide sequestration and to see former State Geologist Horace "Buzz" Collins presented with an honorary membership award in the facility named for him. May next year be even better!

Frank Majchszak





State Science Day 2008 was held May 10th at The Ohio State University. This year the Ohio Geological Society awarded \$700 in cash prizes, certificates and a one year student OGS membership to the top judged projects of our Geological Award. Judges this year were Jim McDonald, Erik Venteris, John Miller, Chris Gordon and Cathy & John Forman. We congratulate our award winners and thank our judges for the time they volunteered.

1st Place (\$250)

John Zeng - 8th grade at Solon MS, Solon
What conditions will result in the most liquefaction?

2nd Place (\$200)

Meredith V. Comer - 9th grade at Riverside HS, DeGraff
A comparative biological survey of three close but isolated fens in Logan County

3rd Place (\$150)

Katherine E. Bauer - 9th grade at Clay HS, Portsmouth
Out with the old, in with the new

4th Place (\$100)

Benjamin E. Lewis - 9th grade at Jackson HS, Jackson
Does FGD affect water alkalinity?

Honorable Mention Certificates

Akansha Mishra - 9th grade at Mt. Notre Dame, Cincinnati
Global dimming is as responsible as global warming for the universal climate change

Rebekah J. Waalkes - 8th grade at Canton Arts Academy, Canton
Does the depth of water affect the speed of a wave?

Annie L. Zhang - 7th grade at Willard Grizzell MS, Dublin
The load bearing capacity of soil

Ray F. Deusenberry - 11th grade at Teays Valley HS, Ashville
Going green: what are the effects of heavy metals in residential city water on environmental plant growth?

Diamond N. Battle - 7th grade at Sylvania Franciscan Academy, Sylvania
Down and dirty: The effects of worms on grass

Joshua E. Wiley - 8th grade at Jackson MS, Jackson
The absorption properties of pollutants in different soil types.

Robin S. Klaus - 8th grade at St. Charles, Lima
Lake Erie water clarity: Is wind a contributing factor?

Rowan L. Baird - 10th grade at Paint Valley HS, Bainbridge
Watershed monitoring: Modeling the correlation of turbidity and precipitation intensity

Mission Statement: To ensure a balance between wise use and protection of our natural resources for the benefit of all.

JOB CLASSIFICATION:	Geologist 3 - 83823	
SALARY:	Hourly \$21.03	
PAY RANGE:	32	
POSITION NUMBER (PCN):	20074985	
JOB LOCATION:	Central Office - 2045 Morse Rd., OH, Franklin County	
HOURS OF WORK:	8:00am to 5:00pm (Subject to Change)	
DIVISION:	Geological Survey	
SEND APPLICATIONS TO:	2045 Morse Rd., Bldg. D-1, Columbus, OH, 43229-6693	
DATE POSTED:	06/02/2008 12:00:AM	DATE EXPIRES: 06/13/2008 11:59:PM

A proficiency/skills assessment may be given as part of the interview process

This is a Full-Time, Permanent, Bargaining-Unit, Unclassified position (may include promotion, transfer or demotion).

Job Duties:

THIS IS A 2-YEAR TERM POSITION.

Performs geologic research in reservoir characterization for geologic carbon sequestration and enhanced oil recovery studies. Gathers geologic data and creates maps and cross sections. Identifies, evaluates, and quantifies reservoir characterization parameters. Conducts petrophysical analyses and interpretation of well data, injectivity and pressure-test evaluations, and geophysical interpretation of seismic data to develop static and dynamic reservoir models. Optimizes structure and effectiveness of well database and ensures integrity of geophysical well log files. Implements a well log management system. Performs as part of a team on technical geologic investigations. Assists in plan development. Writes technical geologic reports, articles & flyers. Represents the division at meetings and interacts with and presents information to various industry, professional and public groups. Performs other duties as assigned.

Minimum Qualifications:

Completion of graduate core program in geology, hydrogeology or other specialized geologic science; 12 mos. exp. in geologic field, laboratory &/or drafting methods.

Or completion of undergraduate core program in geology, hydrogeology or other specialized geologic science; 36 mos. exp. in geologic field, laboratory &/or drafting methods & techniques.

Or equivalent of Minimum Class Qualifications For Employment noted above.

Unusual Working Conditions:

May require travel or overnight travel; may be exposed to unpleasant weather conditions &/or dangerous machinery.

Worker Characteristics Requirements:

Knowledge of Petroleum Geology; skill in MS Office, geologic work station and petrophysical evaluation applications; ability to deal with many variables and determine specific actions and use statistical analysis; knowledge of procedures to improve efficiency and workflow; ability to understand data management system & procedures; knowledge of

public relations (establishing & sustaining beneficial business relationships and projecting acceptable public image); ability to prepare/deliver speeches, originate & edit scientific publications, co-operate with coworkers on projects, and handle sensitive questions from the public and industry.

Comment 1:

RETIREMENT PROGRAM: Regular Public Employees Retirement System.

THIS POSITION IS: Non-Exempt - this is a bargaining unit position that is governed by union contract.

THIS POSITION IS: Classified – employee is subject to examination and has employment protection under the terms of the Ohio civil service laws.

Comment 2:

Any applicant under final consideration for employment must complete and submit a HLS 0037 (Public Employment - Declaration Regarding Material Assistance/Non-Assistance to a Terrorist Organization) in accordance with section 2909.34 of the Ohio Revised Code.

APPLICATION PROCEDURES:

Interested applicants must submit an Ohio Civil Service Application (ADM-4268 or GEN-4268) and a statement indicating position applied for by classification and position number. A separate application (ADM-4268 or GEN-4268) must be submitted for each position applied for. Application must be submitted to the address listed below and received or postmarked no later than application deadline. **APPLICANTS MUST DEMONSTRATE ON THE APPLICATION HOW THEY POSSESS AND ARE PROFICIENT IN THE MINIMUM QUALIFICATIONS AND POSITION DESCRIPTION. FAILURE TO DO SO WILL RESULT IN THE APPLICATION BEING SCREENED OUT.**

Applicants may attach any additional information that may help establish their qualifications for the position. Only information submitted by the applicant will be used in the initial screening and is subject to verification. Additional information may include but is not limited to the following: (i) Resume, (ii) Personal statement, (iii) Transcript, (iv) Training records, and (v) Letters of reference from past or present employers. Test, to include interviews, may be given to determine if applicants possess and are proficient in the minimum qualifications and position description.

The office will limit the number of qualified applicants to be interviewed for the position. An applicant contacted for an interview who requires special accommodations due to a disability should notify the office at the time he/she is contacted so that proper arrangements can be made for the interview. Please send all applications directly to: the Department of Natural Resources, Office of Human Resources, 2045 Morse Rd., Building D-1, Columbus, OH 43229-6693.

PLEASE POST / AN EQUAL OPPORTUNITY EMPLOYER

THE DEPARTMENT OF NATURAL RESOURCES HAS IN EFFECT A CLEAN AIR/SMOKING POLICY WHICH PROHIBITS SMOKING IN ALL OFFICES. THIS POLICY APPLIES TO ALL DEPARTMENT OF NATURAL RESOURCES EMPLOYEES, VISITORS AND CLIENTS.

CONSIDERATION SHALL BE GRANTED ONLY TO INDIVIDUALS WHO MEET ONE OF THE FOLLOWING CRITERIA: (A) EMPLOYMENT MUST BE U.S. CITIZEN, OR; (B) MUST HOLD FORM I-551 OR (GREEN CARD).

If you have any questions or concerns regarding this posting, please contact:

Elizabeth Alguire

Phone: 614/265-6988

The Graying of Petroleum Historians

Jeff Spencer (jspencer@blackpoolenergy.com)

The International Oil Symposium was held May 7-10th in Sarnia and Petrolia, Ontario, Canada. The Petroleum History Institute and the Petroleum History Society sponsored the event, which was hosted by the Ontario Petroleum Institute. “Oil Springs, Ontario 150 Years Back to the Future” was the theme of the symposium, which included two days of oral and poster presentations, followed by an oil heritage tour throughout Lambton County, Ontario. One of the many highlights of the tour was visiting the oil producing properties of Fairbank Oil, a fourth generation family operation, currently run by Charles Fairbank III (Charlie). Here Charlie “pumped oil in the same place using the same technology” as his great-grandfather.

Symposium attendees represented museums and other historical groups, as well as several authors, trying to preserve our oil heritage and document its history. It was not a large group, and certainly not a young group, but it was a passionate group! It was also a concerned group. Discussions included not only the “graying” of petroleum historians, but also the lack of interest in our oil heritage, not just by the general public, but also by much of our own industry. Local historians are clearly doing much of the historical research with little financial support from the industry, or co-operation in making industry archives available for research.

In 2009, our industry celebrates the 150th anniversary of the Drake well. The annual Oil Symposium will take place in Titusville, PA from May 14-16. The following month (June 7-10), AAPG’s Annual Convention will take place in Denver. Several members of AAPG’s history committee are also members of the Petroleum History Institute. Plans are to work together to include oil history/heritage as part of the 2009 Convention.

“Celebrating the Story – Progress from Petroleum” is the theme of Oil 150, a group from the oil region of Pennsylvania (www.Oil150.com). This group hopes “to enhance the American public’s troubled image of the U.S. petroleum industry by focusing on the historical achievements of early oil pioneers and the men and women who followed in later decades.” Representatives from Oil 150 attended the Symposium and will be very much involved in the 2009 Symposium.

Several excellent websites contain information about North America’s petroleum heritage. These include: www.albertasource.ca/petroleum, www.petroleumhistory.org, www.petroleumhistory.ca, www.aoghs.org.





Technical Announcement
 U.S. Department of the Interior
 U.S. Geological Survey

Address:
 Office of Communication
 119 National Center
 Reston, VA 20192

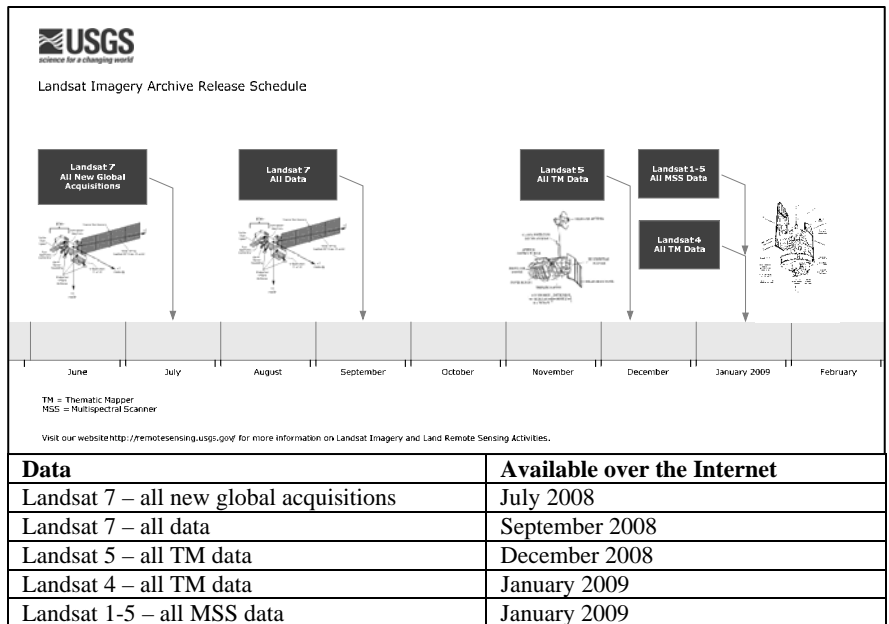
Release
 April 21, 2008

Contact
 Ron Beck
 Rachel Headley

Phone
 605-594-6550
 605-594-6118

Imagery for Everyone...
Timeline Set to Release Entire USGS Landsat Archive at No Charge.

RESTON, VA – The USGS Landsat archive is an unequalled 35-year record of the Earth’s surface that is valuable for a broad range of uses, ranging from climate change science to forest management to emergency response, plus countless other user applications. Under a transition toward a National Land Imaging Program sponsored by the Secretary of the Interior, the USGS is pursuing an aggressive schedule to provide users with electronic access to any Landsat scene held in the USGS-managed national archive of global scenes dating back to Landsat 1, launched in 1972. By February 2009, any archive scene selected by a user – with no restriction on cloud cover – will be processed automatically to a standard product recipe, using such parameters as the Universe Transverse Mercator projection, and staged for electronic retrieval. In addition, newly acquired scenes meeting a cloud cover threshold of 20% or below will be processed to the standard recipe and placed on line for at least six months, after which they will remain available for selection from the archive.



Newly acquired, minimally cloudy Landsat 7 Enhanced Thematic Mapper Plus (ETM+) data covering North America and Africa are already being distributed by the USGS over the Internet at no charge, with expansion to full global coverage of incoming Landsat 7 data to be completed by July 2008 (see timeline below). The full archive of historical Landsat 7 ETM+ data acquired by the USGS since launch in 1999 will become available for selection and downloading by the end of September 2008. At that time, all Landsat 7 data purchasing options from the USGS, wherein users pay for on-demand processing to various parameters will be discontinued.

By the end of December of 2008, both incoming Landsat 5 Thematic Mapper (TM) data and all Landsat 5 TM data acquired by the USGS since launch (1984) will become available, with all Landsat 4 TM (1982-1985) and Landsat 1-5 Multi-Spectral Scanner (MSS) (1972-1994) data becoming available by the end of January 2009. All Landsat data purchasing options from the USGS will be discontinued by February 2009, once the entire Landsat archive can be accessed at no charge.

Landsat scenes can be previewed and downloaded using the USGS Global Visualization Viewer at <http://glovis.usgs.gov> [under “Select Collection” choose Landsat archive: L7 SLC-off (2003-present)]. Scenes can also be selected using the USGS Earth Explorer tool at <http://earthexplorer.usgs.gov> [under “Select Your Dataset” choose Landsat Archive: L7 SLC-off (2003-present)]. For further information on Landsat satellites and products, see <http://landsat.usgs.gov>

For further information on USGS Land Remote Sensing please visit our website: landremotesensing@usgs.gov

Welcome New Members!

Horace "Buzz" Collins	Retired	Columbus, OH
Benjamin E. Lewis	Jackson HS	Jackson, OH
John Zeng	Solon MS	Solon, OH

Congratulations to the new 2008-2009 OGS Executive Committee!

President – Chris Gordon

Vice President – Steve Zody

Secretary – Amy Lang

Treasurer – John Miller

Trustees – Jason Henthorne, Bill Rike, Nicole Venteris, Don Jennings & Frank Majchszak

AAPG Delegates – John Forman & Larry Wickstrom

AAPG Alternates – Dan Bendig & Jay Henthorne

Webmaster – Jim McDonald

CALENDAR

Information available for OGS meetings at: www.ohgeosoc.org or contact Chris Gordon at Chris.Gordon@dnr.state.oh.us, 614-265-6594.

- June 10 PTTC Regional Workshop – “Structural Principles and Trap Geometries in the Northern Appalachians”, Morgantown, WV.
<http://karl.nrcce.wvu.edu/workshops.html>
- August 4-5 2008 OOGA Summer Meeting – Wooster Country Club, Wooster, OH.
www.ooga.org
- September 18 **OGS Golf Outing**, Chapel Hill Golf Course, Mt. Vernon, OH.
- September 29 2008 OOGA Fall Technical Conference – Renaissance Hotel, Columbus, OH. www.ooga.org
- October 11-15 2008 Eastern Section AAPG Meeting – “Appalachia – Unconventional Since 1859”, Hilton Pittsburgh, PA. <http://www.aapgspe2008.org/>

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

Ohio Geological Society
P.O. Box 14304 • Columbus, OH 43214
<http://www.ohgeosoc.org/>

Ohio Geological Society Publications

The in-print publications of the Ohio Geological Society may be purchased from the Ohio Division of Geological Survey. Members of the Society receive a discount; the member price is in parentheses (M:). For more information on the Society, write the Ohio Geological Society, P.O. Box 14304, Columbus, OH 43214.

- OGS 1. Guidebook to the Middle Devonian rocks of north-central Ohio**, by A. Janssens. 30 p., 1970. \$2.50. (M: \$2.00).
- OGS 2. Geology of Silurian rocks, northwestern Ohio**, by C. F. Kahle and J. C. Floyd. Guidebook for First Annual Meeting, Eastern Section, American Association of Petroleum Geologists. 91 p., 1970. Out of print.
- OGS 3. Seminar on industrial self-help programs for natural gas supplies**, edited by Arie Janssens. 55 p., 15 figs., 1 table, 1977. \$3.50 (M: \$3.00).
- OGS 4. Clinton sandstone papers presented at the Ohio Oil and Gas Association Winter Meetings 1961 to 1978** (abridged reprint of 1980 volume). 228 p., 1985. \$25.00 (M: \$20.00).
- OGS 5. The new Clinton collection--1985**, edited by Jack Gray, Andy Maslowski, Warren McCullough, and W. E. Shafer (2nd printing). This edition includes a transcript of "Deeper Clinton-Medina drilling in southeastern Ohio" from a March 1986 Ohio Geological Society meeting. 257 p., 1985. \$25.00 (M: \$20.00).
- OGS 6. Principles of seismic exploration**. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 1987. Out of print.
- OGS 7. Computer-aided analysis of geologic data**, edited by Lawrence H. Wickstrom. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 100 p., 1987. \$15.00 (M: \$12.00).
- OGS 8. Maps and cross sections of the Cambrian and Lower Ordovician of central Ohio**, by G. G. Shearrow. 31 p., 8 pls., 1987. \$12.00 (M: \$10.00).
- OGS 9. An update on Ohio's subsurface geology**. Proceedings from the October 1993 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1993. \$25.00 (M: \$20.00).
- OGS 10. The Ohio Geological Society anthology, the Morrow County, Ohio "oil boom" 1961-1967 and the Cambro-Ordovician reservoir of central Ohio**, edited by William E. Shafer. 452 p., 1994. \$25.00 (M: \$20.00).
- OGS 11. Major natural gas plays of the Appalachian basin and surrounding areas**. Proceedings from the October 1994 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1994. \$25.00 (M: \$20.00).
- OGS 12. Structural influences on oil and gas reservoirs**. Proceedings from the October 1995 technical symposium held in Canton, Ohio. 14 papers. 129 p., 1995. Out of print.
- OGS 13. Enhanced recovery--historical development and future potential in Ohio and the Appalachian Basin and Integration of geology and geophysics in exploration**. Proceedings from the October 1996 technical symposium held in Akron, Ohio. 16 papers. 209 p., 1996. \$25.00 (M: \$20.00).
- OGS 14. Ohio Geological Society Fifth Annual Technical Symposium**. Proceedings from the November 1997 technical symposium held in Akron, Ohio. 11 papers. 117 p., 1997. \$25.00 (M: \$20.00).
- OGS 15. Petroleum seismology in the digital age**. Course notes from the Ohio Geological Society's 3-D Seismic Seminar presented at the 1998 AAPG Eastern Section meeting. \$20.00 (M: \$15.00).
- OGS 16. Fossil collecting in the Silica Formation at Sylvania, Ohio**. Guidebook for the 1998 AAPG Eastern Section meeting. 16 p., 1998. \$7.00 (M: 6.00).
- OGS 17. Into the new millennium: The changing face of exploration in the Knox play**. Proceedings from the Sixth Annual Fall Symposium held in Akron, Ohio, October 1999. 16 papers. 120 p., 1999. \$25.00 (M: \$20.00).
- OGS 18. Exploration and Development of the Trenton-Black River of the Appalachian Basin**. Presentation workbook from the PTTC workshop held in Canton, Ohio, April 25, 2002. 10 papers. 2002. \$15.00 (M: \$10.00).

To order any of the Society's publications contact: The Geologic Records Center, Ohio Division of Geological Survey, 2045 Morse Road, Columbus, Ohio 43229-6693. Telephone (614) 265-6576. FAX: (614) 447-1918. E-mail: geo.survey@dnr.state.oh.us.