



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

July/August 2007

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

2006-2007 Officers

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Fellow Ohio Geological Society Members,

A hearty welcome from the incoming slate of OGS officers, and sincere thanks to last year's officers for their hard work, dedication, and the many accomplishments on behalf of the membership. Thanks also to the key volunteers, past and present, who generously gave their time, hard work, experience, and financial support to nurture this organization through the lean years. For the 2007-2008 term, I will serve as your President and Chris Gordon will serve as Vice-President. We are very fortunate that both Amy Lang and John Miller have graciously agreed to continue to serve on the executive committee as Secretary and Treasurer.

Some of you may not know that the Society (in the form of highly involved officers and members alike) took an active roll in lobbying to support the restoration of funding for the Ohio Geological Survey that had been cut in certain versions of the State budget. A parallel effort was mounted by the Ohio AIPG (American Institute of Professional Geologists) chapter. As a member of both organizations, I was able to see first-hand how the different approaches that were taken worked synergistically to produce a favorable outcome. However, I also realized that there is a need for better communications and cooperation between these groups so that we can effectively work together to achieve common goals. I will work to foster this spirit of cooperation and solidarity, and invite others to join me.

Please mark your calendars for Thursday, September 20 and join us for an incredible day of cow-pasture pool and fun at the annual golf outing held at the Chapel Hill Golf Course, near Mt. Vernon, Ohio. Enclosed is a flyer with all of the details! We're always looking for sponsors, and it's a great way to advertise. If you know of a speaker, or have a suggestion for an activity, please contact one of the executive committee members. Our Society will be nothing more or less than what we make of it, so let's make something good and interesting, and have a lot of fun doing it!

Sincerely,
Frank Majchszak



THE OHIO
GEOLOGICAL SOCIETY

2007 Ohio Geological Society Golf Outing

18 Hole Golf Scramble
Thursday, September 20th, 2007 – 1 PM Shotgun
Chapel Hill Golf Course
Mount Vernon, Ohio

Come one, come all! Spouses, friends, co-workers, students are encouraged!
Sign up even if you are not a part of a foursome, we'll fix you up with a group to play with.

Early Bird Registration (before September 10) - \$50
Registration (after September 10) - \$60
(includes greens fees, cart, refreshments, dinner, and prizes)

Dinner only (before September 10) - \$15
Dinner only (after September 10) - \$20

Make your check payable to: The Ohio Geological Society. Fill out the reservation form enclosed and mail with your payment to:

The Ohio Geological Society
PO Box 14304
Columbus, OH 43214-0304

Sponsors Welcome! Contact Don Jennings at 740-788-8836 or
seismic@sprynet.com.

Please be at the course no later than 12:30 pm!

See you at Chapel Hill Golf Course on September 20th! For specific driving directions visit
www.chapelhillgolfcourse.com



NEW!

EOR and the Expanding Field of Carbon Dioxide Flooding

INSTRUCTOR S :	Steve Melzer, Melzer Consulting, Midland, TX; Bernie Miller, Miller Energy Technologies, Lexington, KY INSTRUCTOR LOOKUP
DATES:	September 16, 2007
LOCATION:	Lexington, KY, with AAPG Eastern Section Meeting
TUITION:	Member: \$50.00 • Nonmember \$50.00 SIGN UP NOW includes course notes and refreshments
LIMIT:	50 people
CONTENT:	.7 CEU What is a CEU?

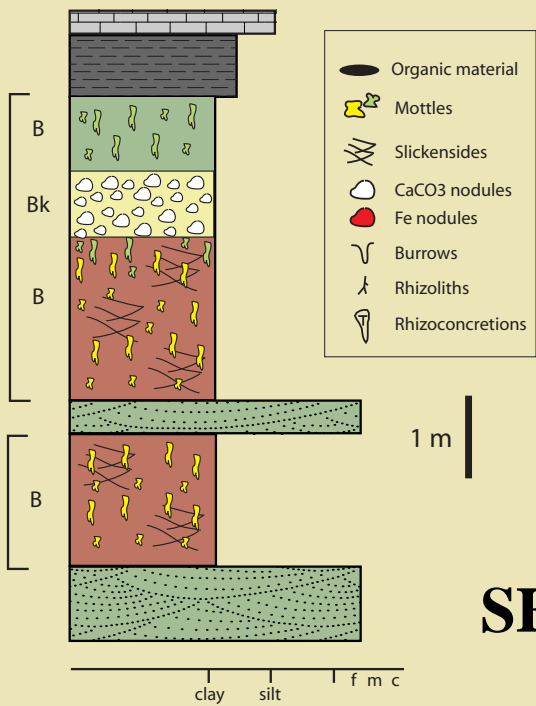
Who Should Attend

Geoscientists, geophysicists and managers who are familiar with oil reservoirs but not necessarily conversant in enhanced recovery techniques. The instructors for the course are very familiar with the ongoing floods and will utilize case histories and current procedures at use at today's floods.

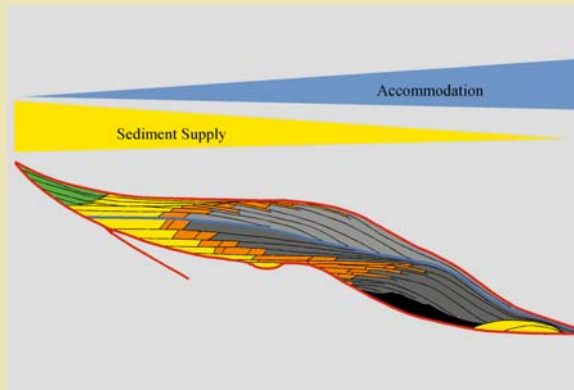
This course will provide an overview of the modern day practices of carbon dioxide enhanced oil recovery. CO2 EOR is the leading EOR technique for light oils and has grown to 80 active projects worldwide with an estimated 30 in various planning stages today. New sources of CO2 are expected to become available around the world as energy demand grows and as concerns over CO2 emissions from new energy sources require capture of these emissions. Application of CO2 EOR techniques has been primarily limited in the past due to two factors: the lack of nearby CO2 sources and excessive volatility in oil prices. In this new world environment wherein oil prices are high and CO2 EOR provides a home for large amounts of captured CO2, an exciting growth environment should materialize as new power sources are developed.

Screening of candidate reservoirs will be covered in the course along with discussion of both the conventional sources used in the past and the coming new era of CO2 sources. The reservoir attributes of the existing 30-year database of CO2 floods will be reviewed. Oil recovery from beneath the conventional oil column will be addressed. These intervals of high water content and smaller percentages of oil, called transition or residual oil zones, produce only water on primary or secondary recovery, have become economic CO2 targets today, and can represent a huge potential resource in many parts of the country. Some of the tools to detect and quantify these residual oil zone targets will be addressed.

The CO2 EOR experience in the eastern region of the U.S. has been limited to only a few projects due to the lack of high volume, reliable CO2 sources. Some very small-scale but recent CO2 EOR experience in Kentucky is encouraging and will be reviewed.



SEPM Great Lakes Section Field Trip October 6 & 7, 2007



Variations in Sequence, Fluvial, and Pedogenic Architecture in the Distal Appalachian Foreland Basin, SE Ohio



G.C. Nadon
 D.I. Hembree

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Welcome New Members!

Katherine Bauer	Clay High School	Portsmouth, OH
Meredith Comer	Riverside High School	DeGraff, OH
Jennifer Harker	Excalibur Exploration, Inc.	Greentown, OH
Jennifer Huang	Hathaway Brown	Shaker Heights, OH
Trent Navran	Solon Middle School	Solon, OH
Joshua Threet	Ohio Valley Energy Systems	Austintown, OH

CALENDAR

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

- August 6-7 OOGA Summer Meeting – Zanesville Country Club, Zanesville, OH.
<http://www.ooga.org/calendar/meetings.htm>
- September 16-18 2007 Eastern Section AAPG Meeting – “Winning the Energy Trifecta:
Explore, Develop, Sustain”, Hyatt Regency and Lexington Center,
Lexington, KY. <http://www.uky.edu/KGS/esaapg07/>
- September 20 **OGS Golf Outing**, Chapel Hill Golf Course, Mt. Vernon, OH.

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.