



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

October 2006

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

2005-2006 Officers

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Dear Society Members,

Our next meeting will be held at The Midwest Hotel & Conference Center, Columbus, Ohio on **Thursday, November 9th**. John Miller will present "Coal Bed Methane in the Northern Latrobe Syncline, Indiana and Westmoreland County, Southwestern Pennsylvania, Blacklick and Derry Fields: Structural and Stratigraphic Factors Influencing Production, Sweet Spots vs. Sour Apples".

We hope to see you there!

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

2006 Ohio Geological Society Golf Outing

Chapel Hill Golf Course Mount Vernon, Ohio

Scramble Winning Team (-10) – Jud Byrd, Brad Byrd, Dan McVey, John Keller
Pink Ball Winning Team (80) – Brad Hina, Brian Altier, Bob Greenwell
Most Honest Team – Jim Shoots, Jim Moeller, John Jaholnycky, Brooks Miller

Longest Drive #1	Bob Greenwell
Longest Drive LADIES #2	Susan Kahle
Closest to Pin #3	Scott Bartlett
Straightest Drive #4	Kim Clark
Closest 2 nd #5	Rob Darnek
Longest Drive #6	Brad Hina
Longest Putt #7	Sam Davis
Closest from Sand #8	Todd Melman
Longest Putt #9	Shane Penick
Longest Drive #10	Gary Sitler
Longest Putt #11	Ken Pendley
Closest to Pin #12	Mark Wolfel
Closest 2 nd #13	Greg Clark
Closest 3 rd #14	Ian Neptune
Closest 2 nd #15	John Maloney
Closest to Pin #16	Phil Stone
Shortest Drive #17	Bob Hesser
Longest Drive PINK BALL #18	Karen Wise

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

Altheirs Oil	Great Lakes Energy Partners
Appalachian Geophysical Services	Great Lakes Geophysical
Artex Oil Company	Knox Energy
Bakerwell	MFC Drilling
Belvoir Energy	Murphy Oil Company
Butcher Energy	Northwood Energy Corporation
Clermont Natural Gas Company	Ohio Oil & Gas Association
Davey Tree GIS	Petro Evaluation Services
Elexco Land Services	Precision Geophysical
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Ergon Oil Purchasing	Superior Well Services
Ergon Trucking	Tipka Oil & Gas
Evans Geophysical	Triana Energy
Exploration Development	Vorys, Sater, Seymour and Pease
Flint Ridge Energy	Wright & Company
Forman Energy	

Call for Nominations

Earth Science Teacher Award

It is time to start thinking again about the AAPG's annual award of \$5,000 to be given to a K-12 teacher for Excellence in the Teaching of Natural Resources in the Earth Sciences. The award to be determined in 2006 will be given at the 2007 Annual Meeting in California and again will be sponsored by the AAPG Foundation. The National award includes \$2,500 to the teacher's school for the winning teacher's use and \$2,500 for the teacher's personal use. In addition, the winner will receive an expense-paid trip to the Annual Meeting.

It is an opportunity to offer something of significant appeal to teachers in your area, to get some interaction going, and to give local recognition to a teacher.

Requirements:

1. Minimum of three years full-time teaching experience at any level K-12.
2. Teaching at least one unit per year on natural resources. Natural resources are defined as Earth materials used by civilization past and present such as:
 - a. Organic materials such as petroleum, natural gas, coal and oil shale.
 - b. Inorganic substances found in the Earth such as mineral ores, building stone and aggregate.
 - c. Energy resources from the Earth such as geothermal energy.
3. Teaching should include the scientific study of these resources, their origin, discovery, extraction and historical and present use. It should also include the preservation of the environment, reclamation and the conservation of resources, and the use of earth science knowledge in decision making.
4. Entries will include the teacher's philosophy and methods of the teaching of natural resources (both content and pedagogy), a description of the unit and two letters of recommendation – one from a colleague and one from an administrator.
5. Unit will be evaluated on depth and breadth of concepts (resource origin, discovery, processing, usage and reclamation), creativity of presentation and balanced treatment of information regarding societal need and environmental issues. Please include the length of the unit.

Further information and entry forms can be obtained from AAPG's website:

http://foundation.aapg.org/tchr_of_year_award/requirements.cfm

Membership in AAPG is not required for entry.

Applications must first be reviewed by the Eastern Section of AAPG (Eastern Section awardee will receive \$500), which will forward the Eastern Section awardee to Tulsa for consideration for the national award. Submittal deadline to the Eastern Section is **October 15, 2006**.

For more information, contact Steve Zody (330) 262-4323 or zodyoil@sssnet.com.

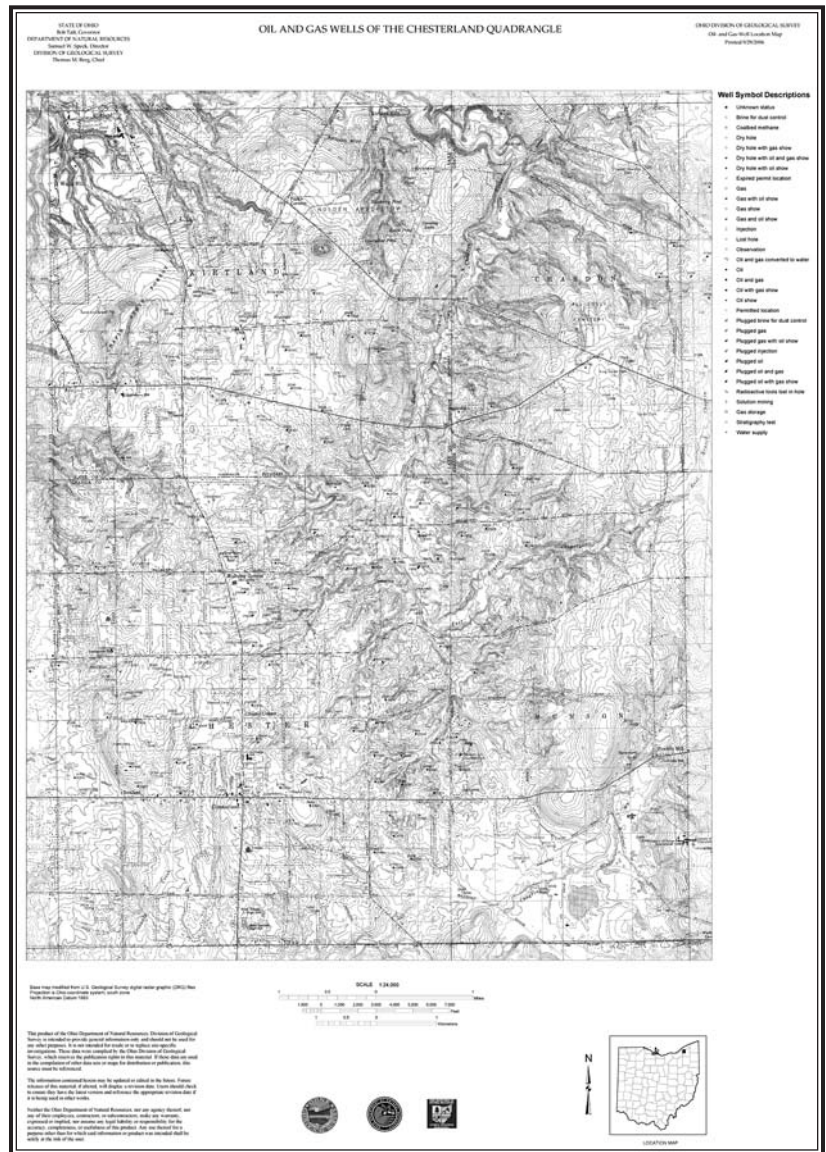
Available from the Ohio Department of Natural Resources, Division of Geological Survey

OIL-AND-GAS WELL QUADRANGLE-BASED LOCATION MAPS AND WEB-BASED INTERACTIVE MAP

Oil-and-gas well location maps as full-color prints with standard 7¹/₂-minute U.S.G.S. topographic quadrangle maps as the base are now available. Previously, the oil-and-gas well location maps were black-and-white only and were on planimetric maps based on civil township boundaries. Also, a new interactive map showing all of the documented oil-and-gas wells drilled in Ohio is now available on the Web site of the Ohio Department of Natural Resources, Division of Geological Survey (<http://www.dnr.state.oh.us/geosurvey/>). The new interactive map allows users to view all oil-and-gas-well locations, areas of known production, and several ways to view base map information. Together, these new products introduce a whole new dimension of oil-and-gas-well information access and management for Ohio.

The new Web-based map can be used to show the locations of oil-and-gas wells, view data pertaining to individual or groups of wells, show producing areas (known as "fields") by producing geologic horizons, all overlain on a user-defined map background. For the map background, the user can select the desired level of detail from simply county and township boundaries, to complete land subdivisions, municipal boundaries, roads and streams, or full-color images of USGS topographic maps, or color aerial photographs. These interactive map layers allow the user to perform customized queries and prints for their individual needs. Using the built-in tools, users can create maps showing only wells producing from a certain geologic producing interval, type of production (oil vs. gas), producing depth, proximity to city boundaries, etc. The Web-based map also has links to over 177,000 scanned images of historic well-completion records on a well-by-well basis.

The new printed map product shows the location, permit number, and producing status of all wells per U.S.G.S. 7¹/₂-minute quadrangle. These new maps provide users more up-to-date well information on a convenient base map containing far more information than the previous township-based map products. These map and web products can be used for oil-and-gas exploration and development, geologic researchers, environmental assessments and siting needs, city/regional planning, information gathering by landowners, etc.



Printed well location map price: \$8.00 each
(plus sales tax and shipping)

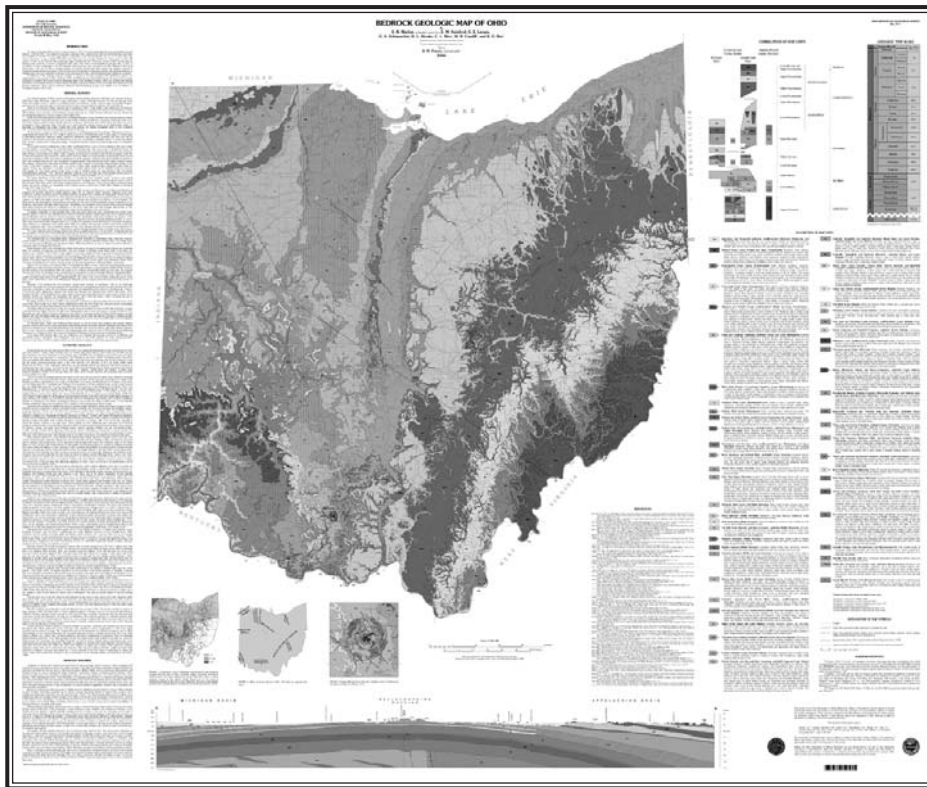
To order, or for further information, call 614-265-6576

Available from the Ohio Department of Natural Resources,
Division of Geological Survey

BEDROCK GEOLOGIC MAP OF OHIO

BG-1 Version 6
2006

By E. R. Slucher, E. M. Swinford, G. E. Larsen, G. A. Schumacher,
D. L. Shrake, C. L. Rice, M. R. Caudill, and R. G. Rea.
Cartography by D. M. Powers.



Scale 1:500,000
(Overall dimensions = 50" x 42")

This new map shows the distribution of bedrock formations occurring at the surface or immediately beneath the glacial deposits that commonly conceal much of the bedrock. This 1:500,000-scale map with associated text and figures reveals not only the characteristics and distribution of the state's various bedrock formations, but also details the many economic mineral commodities, environmental characteristics, and geological hazards occurring in Ohio. Nearly 50 bedrock units or combinations of units are shown statewide and the legend describes the geologic formations and shows their geologic age. A statewide geologic cross section provides a three-dimensional perspective of the geologic framework of Ohio. Geologists, hydrogeologists, engineers, mineral and fossil-fuel producers, geotechnical consultants, land-use planners, educators, government officials, and others interested in various aspects of Ohio's earth science, will benefit by the details illustrated and discussed on this new map.

Map price: \$15.00
(plus sales tax and shipping)
An order form is on the reverse for your convenience



**OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
2045 MORSE RD., BLDG. C-1
COLUMBUS, OHIO 43229-6693**



World Wide Web: <http://www.ohiodnr.com/geosurvey/>
Telephone: 614-265-6576 Fax: 614-447-1918 e-mail: geo.survey@dnr.state.oh.us

INSTRUCTIONS FOR ORDERING

Orders to be delivered in Ohio (except to exempt institutions) are subject to state and local taxes. Handling charges are assessed on all orders. A handling-charge schedule is provided below. Prices are subject to change without notice. Please make checks payable to "ODNR, Geological Survey."

Checks from foreign countries must be drawn on a U.S. bank.

**CREDIT CARD ORDERS (VISA, MasterCard) BY TELEPHONE:
614-265-6576, 8:00 a.m. - 4:30 p.m., Monday - Friday**

-----ORDER FORM-----PLEASE PRINT CLEARLY-----

Name _____	My check is enclosed ____ (payable to: ODNR, Geological Survey)
Address _____ <small>(PLEASE USE STREET ADDRESS, NOT P.O. BOX NUMBER)</small>	Please charge my ____ Visa ____ MasterCard
City _____ State _____ Zip _____	Card # _____ - _____ - _____ - _____
County (Ohio residents) _____	Expiration date _____
Telephone (daytime) _____ <small>(In case we have a question about your order)</small>	Authorized signature _____

Item	Quantity	Total cost
Bedrock geologic map of Ohio, BG-1 <i>Map will be sent folded unless \$1.50 is included for a mailing tube. See below.</i>	\$15.00	_____

HANDLING CHARGES

Total cost of order	Handling charge	Total cost of order	\$ _____
\$10.00 and under	\$2.50	Mailing tube \$1.50 (for rolled copies if applicable)	\$ _____
\$10.01 - \$20.00	\$4.00	_____ % sales tax (in-state sales)	\$ _____
\$20.01 - \$50.00	\$6.50	<small>In-state sales are taxed at rate that exists in county where merchandise is shipped to. Calculate tax on total cost of publications plus mailing tube (if applicable).</small>	
\$50.01 - \$100.00	\$11.00	Handling	\$ _____
\$100.01 and over	\$13.00	TOTAL	\$ _____

The Ohio Geological Survey (OGS) seeks applications for the position of Supervisor, Energy Resources Group. The successful candidate will be a highly motivated geoscientist with a thorough understanding of the energy industries (especially oil, gas, and coal), and a proven record of research, publishing, project management, and supervision. The candidate should also have experience in securing research grants and working with the public and industry associations. A Master's degree (minimum) in geosciences, publications record, and petroleum industry experience preferred.

The job posting is available thru October 13th and may be viewed on the ODNR Website (www.ohiodnr.com/jobs).

For more information on applying for this position contact Sharon Stone at 614-265-6988.

The Ohio Department of Natural Resources is an equal opportunity/affirmative action employer.

CALENDAR

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

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|---------------|---|
| October 7 | PTTC Workshop – “Reservoir Engineering for Geologists”, Buffalo, NY.
http://karl.nrcce.wvu.edu/ |
| October 8-11 | 2006 Eastern Section AAPG Meeting – “New Concepts for Old Basins”, Adam’s Mark – Buffalo-Niagara, Buffalo, NY.
http://www.ubevents.org/regengine/event_page.php |
| October 11 | PTTC Workshop – “Hydrothermal Dolomite Reservoirs”, Buffalo, NY.
http://karl.nrcce.wvu.edu/ |
| October 11-13 | SPE Eastern Regional Meeting, Canton Marriott McKinley Grand Hotel, Canton, OH. http://www.spe.org/ |
| November 9 | OGS Luncheon Meeting, The Midwest Hotel & Conference Center, Columbus, 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 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.