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

SO YOU THINK YOU HAVE ENVIRONMENTAL PROBLEMS!!!

Most of us have been around long enough not only to know what carbon paper is, but also to have actually used it in their typewriter. You may even have some squirreled away in the dark recesses of your desk. The copy machine and desktop printer have largely eliminated this item from the office supply cabinet. Multi-part carbonless forms (like packing slips) are the closest modern-day analog.

Invented by chemists of the Dayton Ohio-based National Cash Register Corporation, carbonless copy paper works in a fairly simple way. It consists of sheets of paper that are coated on the bottom and/or the top with micro-encapsulated dye or ink and/or a reactive clay. The back of the first sheet is coated with micro-encapsulated dye. The top of the middle sheet is coated with a clay that quickly reacts with the dye to form a permanent mark. The back of the middle sheet also is coated with the dye. The top surface of the lowermost sheet is coated with the clay. The back of this sheet is uncoated. When someone writes on the top sheet, the pressure from the point of the writing instrument causes the micro-capsules to break and spill their dye. Because the capsules are so small, the print obtained is very accurate.

It turns out that poly-chlorinated biphenols (PCBs – think skull and cross bones) are part of the filling of the micro-capsules. This isn’t too much of a problem until you collect and recycle the NCR paper at a number of paper mills concentrated along a major river that receives the processing wastes. (Can you say PRP?)

On November 8, Roger McCready, a geologist managing NCR’s remediation efforts, will present “Fox River PCB Contaminated Sediment Clean-up Project”, which is the largest proposed sediment remediation project in the United States. I have seen an earlier version of this presentation. It is very well prepared and presented, and I am sure that you will enjoy it. So please plan to attend, even if you are not planning on disposing of some PCBs, and your cash register is working perfectly. Details of the first luncheon meeting for 2007-2008 are provided in the body of this newsletter.

Frank Majchszak
OGS MEETING
Thursday, November 8th
Lunch at 11:30, talk at 12:30 pm.

Please RSVP for lunch to Chris Gordon at
chris.gordon@dnr.state.oh.us or 614-265-6594

The Midwest Hotel & Conference Center
4900 Sinclair Road
Columbus, OH 43229
http://www.ramadahotelcolumbus.com/

Roger McCready, CPG NCR Corporation will present:

*Fox River PCB Contaminated Sediment Clean-up Project*

Mr. McCready will be presenting the why, how and design challenges of this clean-up which is the largest proposed sediment remediation project in the United States to date. NCR is one of seven potential responsible parties identified by USEPA for the remediation of the Fox River PCB contamination. Mr. McCready manages NCR’s remediation projects.
News Release
October 29, 2007


COLUMBUS, OH – With increasing prices for oil and natural gas, Ohio has seen a marked increase in drilling and completion activity in many of our producing oil and gas reservoirs over the past several years. This drilling activity is clearly reflected in wells targeting the Ohio Shale where there has been an increase from 14 Ohio Shale wells drilled in 2000 to 130 in 2006. To meet the increased demand for Devonian Shale data, the Ohio Division of Geological Survey (ODGS) has compiled and scanned all of the Devonian shale core records and analyses on file at the ODGS and input pertinent data into a Microsoft Access database. This project was supported in part from the U.S. Geological Survey.

This project data of Devonian shale core records and analyses on file at the ODGS includes information such as core descriptions, density, gas analyses, TOC (total organic content), and various geochemical analyses. A Devonian Shale production database was compiled from all available data through 2005, and placed in an Access database. Pertinent Devonian Shale publications from the Gas Research Institute and U.S. Department of Energy were scanned and tabular data from these reports were placed in an Excel spreadsheet. Also included in this compilation is an updated reference list of Devonian Shale publications in Ohio.

The State of Ohio Compilation of Devonian Shale Data and Investigations, 10/2007 is available on CD-ROM for $25 (plus tax and shipping) from the ODNR Geologic Records Center by calling 614-265-6576 or e-mailing geo.survey@dnr.state.oh.us

For Further Information Contact:
Ron Riley, ODNR Division of Geological Survey, Energy Resources Group
(614) 265-6573
-or-
Jane Beathard, ODNR Media Relations
(614) 265-6860
Homeowners and planners involved with development, waste disposal, transportation, and water-related activities can use the new map to see if their general area of interest is a potential karst area.

Revised Ohio Karst Map Helps Homeowners, Developers And Land-use Planners Define Areas Of Possible Groundwater Pollution And Unstable Terrain

COLUMBUS, OH - The Ohio Department of Natural Resources (ODNR) Division of Geological Survey has released a revised and updated map of known and probable sinkholes, caves and caverns in the state. Collectively, these geologic features are known as karst.

The 2007 release of *Known and Probable Karst in Ohio* includes 57 newly documented sinkholes and caves. Karst is caused by the dissolution of limestone and dolomite bedrock and gypsum. Natural processes such as erosion and acidic rainwater cause the dissolution, resulting in networks of conduits below ground level and sinkholes and caves at the surface.

While karst can make interesting natural features, it can also rapidly transmit pollutants such as fertilizer runoff and sewage from leaky septic systems to water wells, streams and rivers. Unstable karst can also cause property loss and unexpected construction costs and delays.

Homeowners and planners involved with development, waste disposal, transportation, and water-related activities can use the new map to see if their general area of interest is a potential karst area. A half-mile radius is colored around each known karst feature on the map, indicating the probable location of more features.

A significant amount of limestone and dolomite bedrock (and to a lesser extent, gypsum) is present at or near the surface in western Ohio. Most of Ohio’s karst features are located in this region where soil and rock deposited by ancient glaciers is relatively thin and the bedrock is exposed to the forces of nature. Known karst features are also concentrated near the City of Bellevue in northern Ohio; in Highland and Adams counties in southern Ohio; and north of Columbus in central Ohio.

A component of the new map is colored shading that indicates glacial drift thickness. Boundaries of the Wisconsinan and Illinoian ancient glaciers were also added to the map to show the concentration of exposed limestone, dolomite, and gypsum in southern Ohio, beyond where the most recent glacial advance (the Wisconsinan) left drift 14,000 to 24,000 years ago.

The Known and Probable Karst in Ohio map contains text and figures that describe how karst forms and how research for the map was conducted. The wall-size *Known and Probable Karst in Ohio* (map EG-1) measures 50 inches by 35 inches and is available for $15; a CD version of the map is available for $25. Both versions can be ordered (tax and mailing fees apply) from the ODNR Geologic Records Center by calling 614-265-6576 or e-mailing ohioodnr.com/geosurvey. A free page-size version of the map is also available through the Publications, Maps and Data page of the ODNR Division of Geological Survey.

For Further Information Contact:
Rick Pavey, ODNR Division of Geological Survey
(614) 265-6599

-or-

Jane Beathard, ODNR Media Relations
(614) 265-6860
GEOLOGISTS NEEDED!!!

ODOT ROCKFALL INVENTORY PROGRAM

PROJECT DESCRIPTION

Rockfalls constitute a major hazard along Ohio roadways, posing a risk to life and traffic safety. As a result of rockfalls, maintenance problems occur resulting on a strain of ODOT funds and manpower. This program has been developed by the Office of Geotechnical Engineering (OGE) to allow for the identification of potential hazardous rock slopes, to assess those slopes to determine if immediate attention is required, and to allow for actions to be taken to reduce and minimize the risk to the roadway and the public safety. The intent of this program is to allow for the creation of a statewide database with all the pertinent information required to address those sites that will require immediate actions, as well as to allow for long-term tracking of the remaining sites to determine the performance of the slopes over time.

PROJECT REQUIREMENTS

The ODOT Rockfall Inventory Program will be completed by PSI, Inc. The field work will be conducted by two (2) Field Teams consisting of a geologist and an engineering geologist or a geotechnical engineer. A multitude of information will be recorded for each rock cut slope. Samples of weathered bedrock will be collected in the field and returned to the appropriate testing laboratory in order for further testing and investigation of the bedrock samples to be performed. Hand-held Trimble GeoXT GPS equipment will be utilized to input all available information in the field. Implementation and use of Microsoft Access database and Excel spreadsheets will be used for data compilation.

The PSI Team will provide all training required for this project, including rock cut-slope identification and assessment, use of GPS equipment, and rappelling, as necessary. Training will begin in either late January 2008 or early February 2008. Travel throughout Ohio is required. However, all travel expenses, such as food and lodging, will be compensated. The project length is estimated at 2-3 years.

CONTACT INFORMATION

* If you have a Geology degree, and would be interested in working as a Field Team Member on this project, as an employee of PSI, Inc., please contact:

Randy Daub, P.E. – Project Manager for PSI, Inc.
Randy.daub@psiusa.com (330) 759-0288
CALL FOR PAPERS

Joint AAPG – SPE Eastern Meeting Conference and Exhibition

11 – 15 October 2008
Pittsburgh, Pennsylvania

APPALACHIA
Unconventional Since 1859
AAPG-SPE 2008 Eastern Meeting
Pittsburgh, Pennsylvania

2008 Eastern Section Meeting
American Association of Petroleum Geologists

2008 Eastern Regional Meeting
Society of Petroleum Engineers

Co-Hosted by:

Pittsburgh Association of Petroleum Geologists

Pittsburgh Petroleum Section SPE
Dear Colleagues,

The Pittsburgh Association of Petroleum Geologists and the Pittsburgh Petroleum Section of the Society of Petroleum Engineers are proud to host the 2008 joint AAPG-SPE Eastern Meeting – Conference and Exhibition to be held 11 - 15 October 2008 at the Hilton Pittsburgh and Towers in Pittsburgh, Pennsylvania.

The theme of the meeting is “Appalachia – Unconventional Since 1859”, honoring over 100 years of exploration and production in the Appalachian Basin, still a complex and challenging geologic environment.

Technical topics considered for the meeting are:

- Shale gas
- Tight sands
- Coal and coalbed methane
- Carbon sequestration
- Gas storage
- Improved/enhanced recovery methods
- Reservoir characterization, fluid dynamics, and simulation
- Data mining, management, and geologic survey information
- Naturally fractured reservoirs
- Reservoir case studies

- Production operations, optimization, and artificial lift
- Well and reservoir surveillance/management
- Horizontal/multilateral wells
- Drilling and completions
- Formation evaluation
- Reservoir stimulation
- Reserves evaluation and economics
- Health, safety, security, environment, and professional ethics

The program committee will consider paper proposals of fundamental and applied work in these and other topics for presentation in technical sessions as well as for poster sessions. For information on submitting an abstract, visit our website at www.aapgspe2008.org

Sincerely,

AAPG/SPE Program Committee

Mike Canich, Zuleima Karpyn, Jim Pancake, Ashley Douds, Mike Kovarik
# 2008 MEMBERSHIP FORM

Please return membership form and dues by January 31st, 2008

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**Membership Dues**

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For Society use

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The Eastern Section of the AAPG is participating in the Imperial Barrel Award contest. A team of 5 students from an Eastern Section university will be selected to represent the ES next spring at the AAPG annual meeting in San Antonio. The Eastern Section team will be competing against teams from other sections and regions across the world. Travel expenses to San Antonio for the teams competing will be covered by AAPG. The first prize is $20,000 for the department of the winning team, with lesser prizes for all teams making it to the National competition.

Information will be available on the AAPG website:

http://www.aapg.org/iba/

Anyone who is interested or has questions may contact Lee Avary (avary@geosrv.wvnet.edu). There will be a competition within the Eastern Section to select the representative for the ES.

This is an exciting, new opportunity for students to analyze industry data and make a presentation based on the team’s recommendations.

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Position in geologic mapping at Minnesota Geological Survey

We at the Minnesota Geological Survey are seeking to hire a geologist willing to develop skills in geologic mapping by supporting senior scientific staff, through field work, lab work, and GIS. A Master’s in Geology is preferred, there will be a one year probational period, and the closing date for applications is 11/15/07, although applications will be accepted until the position is filled. The field of geologic specialty is flexible, depending on the applicant’s education, experience, and affinity. Further information may be obtained by contacting MGS Associate Director Dale Setterholm at 612-627-4780, ext. 223, or sette001@umn.edu

Harvey Thorleifson Ph.D., P.Geo., State Geologist of Minnesota; Director, Minnesota Geological Survey; Professor, Department of Geology and Geophysics; University of Minnesota; 2642 University Ave W, St Paul, MN 55114-1057 USA; Telephone 612-627-4780 ext 224; Fax 612-627-4778; thorleif@umn.edu
CALENDAR

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

November 8     **OGS Luncheon Meeting**, Midwest Hotel & Conference Center, Columbus, OH.


November 16    **AIPG – Ohio Section Annual Meeting.** www.aipg-ohio.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 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 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 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 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 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.