



# THE OHIO GEOLOGICAL SOCIETY



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

The Newsletter of the Ohio Geological Society

September 2004

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## **President's Column**

Dear Society Members,

The golf outing was an even bigger success than last year's! We have the support of a few volunteers and our sponsors to thank for the unqualified success this year's outing proved to be. Early morning rain was an ominous threat for the day, but roughly 30 minutes before tee time, the rain halted and the weather and temperature were near perfect. Seventy golfers enjoyed Chapel Hill's fairways and refreshments, with an excellent 2" thick pork chop dinner and prize bonanza.

The OGS is helping to host the upcoming 33<sup>rd</sup> annual meeting of the Eastern Section of the American Association of Petroleum Geologists (ES-AAPG) at the Ramada Plaza Hotel, Columbus, Ohio, October 3-6, 2004. Notably, the session will be capped by two excellent presentations - this year's Galey Memorial Address by Dr. Donald C. Haney and the meeting's keynote address by Dr. Jamil F. Al Dandany of Saudi Aramco. Additional information can be found at: <http://www.ohiodnr.com/geosurvey/aapg04.htm>

Remember to check out the new OGS website at:  
<http://www.ohgeosoc.org/>

Please mark your calendars for these upcoming events, we look forward to seeing you there.

Sincerely,

Jason F. Henthorne  
President  
OGS

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

# 2004 Ohio Geological Society Golf Outing

## Chapel Hill Golf Course

### Mount Vernon, Ohio

Scramble Winning Team (58) – Ralph Haefner, Ken Pendley, Rod Sheets, John Wiebler

Pink Ball Winning Team (73) – Gary Sitler, Terry Quested, Todd Didion, Scott Bartlett

1. Closest Second Shot	Amy Lang
2. Longest Drive in Fairway	Michael Basiger
3. Closest to Pin	Dale Jennings
4. Straightest Drive in Fairway	Tom Atha
5. Closest Second Shot	Jud Byrd
6. Longest Drive in Fairway (Ladies)	Sandee Burns
7. Closest Third Shot	Terry Quested
8. Closest out of sand	Chris Byrd
9. Longest Putt	Mike Robinson
10. Longest Drive in Fairway	Ken Pendley
11. Closest Third Shot	Greg Mason
12. Closest to Pin	Pete MacKenzie
13. Longest Putt	Rob Darner
14. Longest Drive in Fairway	Chris Jackson
15. Closest Second Shot	Gary Sitler
16. Closest to Pin	John Harding
17. Shortest Drive in Fairway	Scott Bartlett
18. Longest Putt	Bob Hutcheson

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

Appalachian Geophysical Services	JCB Downhole Vision
Bakerwell	John Forman
Belvoir Energy	Knox Energy
BoCor Holdings	MacKenzie Land & Exploration
CapStar Drilling	Mason Dixon Energy
Clermont Natural Gas Company	Miller Supply
Davey Tree GIS	Murphy Oil Company
DLZ Ohio	Northwood Energy Corporation
Elexco Land Services	PAR Energy
Elite Seismic Processing	Petro Evaluation Services
EnerVest Operating	Petrox
Equity Oil & Gas Funds	Precision Geophysical
Ergon	R & G Realty Company
Exploration Development	Robin Lemberger
Great Lakes Energy Partners	Superior Well Services
Great Lakes Geophysical	Vorys, Sater, Seymour and Pease
Halliburton	

Hope to see you at the outing next year!!

**Come to Columbus & join us at the...**



2004 Eastern Section Meeting  
**American  
Association of  
Petroleum Geologists**

October 3-6, 2004 • Columbus, Ohio  
Ramada Plaza Hotel

Hosted by: The Ohio Geological Society & The Ohio Geological Survey

**TECHNICAL SESSIONS WILL INCLUDE:**

- ❖ Trenton/Black River stratigraphy, exploration, and development
- ❖ Rome Trough/Cambrian-Ordovician exploration and petroleum geology
- ❖ Knox field studies, case histories
- ❖ Coalbed methane
- ❖ Environmental assessment
- ❖ CO<sub>2</sub> sequestration
- ❖ GIS mapping
- ❖ Geochemical character and origin of Appalachian petroleum
- ❖ Reservoir analysis/stratigraphy
- ❖ Shallow exploration for producing horizons

**WORKSHOP:**

- ❖ Exploration and development of fractured reservoirs—Dr. Ronald A. Nelson

**FIELD TRIPS TO:**

- ❖ Silurian and Devonian rock exposures of the Marble Cliff Quarry, Columbus, Ohio
- ❖ Fossil collecting at the Western Ohio Cut Stone Company in Miami County, Ohio

**KEYNOTE ADDRESS:**

- ❖ Securing oil supplies in a less-than-secure world—Dr. Jamil F. Al Dandany, Saudi Aramco

**EMD/DEG LUNCHEON:**

- ❖ U.S. energy usage: where does it all go?—Dr. Ronald A. Nelson

**DPA LUNCHEON:**

- ❖ Arithmetic, population, and energy—Dr. Albert Bardett

**STUDENT JOB QUEST**

For registration information, exhibition, sponsorship contact:

General Co-Chair: Steve Zody, Zody Geoscience

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Visit the 2004 Eastern Section meeting website at:  
<http://www.ohiodnr.com/geosurvey/aapg04.htm>

***Synopsis of "Effects of Porosity and Permeability in 225 Permian Basin Reservoirs" by Frederick R. Haeberle, OGS member.***

Oil and Gas Journal  
July 19, 2004  
Pages 24-27

Discusses how changes in porosity and permeability affect each other, on other reservoir properties and on amounts of reserves in the Permian Basin of West Texas. Average permeability tended to increase with increases in porosity. Porosity tended to remain the same or increase only slightly with increases in permeability. Percent of reserves increased with an increase in average porosity until porosity of 10% was reached and then porosity decreased. As average permeability increased, the percent of reserves decreased. As porosity increased and permeability increased, average depth increased. Average oil-column thickness decreased with an increase in porosity and permeability. As oil-column thickness increased, porosity and permeability decreased. In general, in other properties such as GOR, API gravity, water saturation, reservoir pressure and temperature as porosity increased, the recorded values of the other properties decreased. As permeability increased, values of the properties increased. The relationship of porosity and permeability may not be the same in other basins, but it was interesting to see the relationship of these values to other properties.

## ***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 2004 will be given at the 2005 Annual Meeting in Calgary 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](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, which will forward the Eastern Section awardee to Tulsa for consideration for the national award. Submittal deadline to the Eastern Section is **October 1, 2004.**

For more information, contact Steve Zody (330) 262-4323 or [zodyoil@ssnet.com](mailto:zodyoil@ssnet.com)



## CALENDAR

### Ohio Geological Society

Information available for OGS meetings at: [www.ohgeosoc.org](http://www.ohgeosoc.org)  
or contact Nicole Venteris at [knoxnicole@yahoo.com](mailto:knoxnicole@yahoo.com), 740-927-6731.

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|-----------------|--|
| September 14-16 | APPEX: AAPG Prospect & Property Expo, Houston, TX. <a href="http://appex.aapg.org">http://appex.aapg.org</a> .   |
| September 23    | PTTC/MOGA Workshop, Grand Rapids, MI. "Petroleum Systems of the Michigan Basin - A look at Remaining and Undiscovered Oil and Gas Resources." 269-387-8633       |
| October 3-6     | AAPG Eastern Section Meeting, Ramada Plaza Hotel, Columbus, OH<br><a href="http://www.ohiodnr.com/geosurvey/aapg04.htm">www.ohiodnr.com/geosurvey/aapg04.htm</a> |
| October 6       | PTTC Regional Workshop, Columbus, OH. "Exploration and Development of Fractured Reservoirs."   |
| November 1      | DAPL/RMAG/DGS Prospect Fair and TechnoFest, Denver, CO. <a href="http://www.rmag.org/fair">www.rmag.org/fair</a><br>or 303-573-8621.                             |
| November 18     | OGS Luncheon Meeting   |
| January         | 7 <sup>th</sup> Annual Winter Gala   |

Check the PTTC website at <http://karl.nrcce.wvu.edu/> for other meetings and events.