



The Newsletter of the Ohio Geological Society

June/July/August 2012

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

2012-2013 Officers

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WICKSTROM STEPS DOWN AS CHIEF OF THE OHIO DIVISION OF GEOLOGICAL SURVEY

Our May meeting began with an announcement by Mac Swinford that Larry Wickstrom was stepping down as Chief of the Ohio Division of Geological Survey and State Geologist. Mac will serve in the interim while a search is conducted to fill the position. Larry has been an active member of the Ohio Geological Society for the nearly 30 years that he has worked for the Survey. He has been an exemplary Chief, embodying the rare combination of technical and administrative expertise, and the ability to get things done. Larry is well known and well regarded by his peers throughout the country. The geologic community has been concerned about the Survey since their severe budget cuts in 2008 when Larry stepped-up and committed to finding other sources of income to support the Survey. According to Swinford, closing of the Survey was being discussed at that time. Larry has accomplished a great deal for the people of Ohio, and we are concerned about the future of the Ohio Geological Survey without his leadership.

Also at our May meeting, William Scott and Charles Allard of Baker Hughes Coring gave a great review of the coring challenges and successes in the Utica/Point Pleasant of Ohio. Baker Hughes has cored 16 wells in Ohio's Utica-Point Pleasant in 15 counties since 2009 and they remain very active. Core barrels up to 120 feet long have been used with good recovery percentages. According to Mr. Allard, with proper planning the Utica-Point Pleasant is a core friendly interval. Our next meeting will be in November with the speaker to be announced later. Remember our annual golf outing at Chapel Hill has been moved to September 13th and the AAPG Eastern Section Meeting is September 22-26.

Registration is now live online for the Eastern Section AAPG Meeting to be held at the Renaissance Cleveland Hotel. The Ohio Geological Society is hosting this national event and the organizing committee has been doing a world class job putting it all together. Go to our website www.esaapg2012.org to view the program and schedule of events. Register early because the field trips and courses are sure to sellout and these provide an excellent opportunity to renew and or update your technical skills. Remember to get your hotel reservation soon as our block of special rate rooms are going fast www.marriott.com/hotels/travel/clebr-renaissance-cleveland-hotel/?toDate=9/27/12&groupCode=esaesaa&fromDate=9/21/12&app=resvlink).

Congratulations to Zach Zody, the recipient of the first Ohio Geological Society scholarship. He was awarded \$1,000 to help pay for his education at Marietta College, where he will be pursuing a petroleum engineering degree. Zach graduated with honors from Triway High School in Wooster and is the son of Steve and Jackie Zody. Steve has been an active and participating member of OGS for nearly 20 years. Once again, thanks to the scholarship committee for their work.

Thanks to all for participating in the Ohio Geological Society.

John Wicks President





2012 Ohio Geological Society Golf Outing

18 Hole Golf Scramble

Thursday, September 13th 11 am Shotgun

Chapel Hill Golf Course Mount Vernon, OH

www.chapelhillgolfcourse.com

Come one, come all! Spouses, friends, co-workers, students.....sign up even if you are not part of a foursome, we'll put you on a team!

Early Bird Registration (**before September 3**rd) - \$50 Registration (after September 3rd) - \$65 Includes cart, green fees, skill prizes, beverages, dinner, and door prizes!

Hole Sponsor – \$100

Dinner only (before September 3rd) - \$15 Dinner only (after September 3rd) - \$20

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

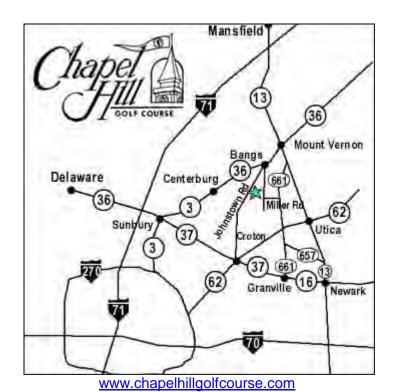
Alison Nutter Elite Seismic Processing 1927 Tamarack Road Newark, OH 43055 seismic@sprynet.com 740-788-8836

Please be at the course by 10:00 am

See you at Chapel Hill Golf Course on September 13th!



2012 Ohio Geological Society Golf Outing



RESERVATION FORM

I plan to attend the OGS Golf Outing to be held at Chapel Hill Golf Course on **Thursday**, **September 13**th, **2012**. Sign up in a foursome or individually (we'll put you on a team).

NAME:
NAME:
NAME:
NAME:
have enclosed my check, made payable to: The Ohio Geological Society.
Thave enclosed my eneck, made payable to. The only declogical declety.
My check is in the amount of \$
Please mail the reservation form with your payment to:

Alison Nutter Elite Seismic Processing 1927 Tamarack Road Newark, OH 43055 seismic@sprynet.com 740-788-8836

2012 Eastern Section AAPG Meeting

Registration Now Open at:

www.esaapg2012.org

100+ Technical Presentations

Featuring:

Marcellus & Utica Shale Plays
Trenton - Black River
Source Rock Geochem / Petrophysics
Secondary & Tertiary Recovery
Environmental Effects
Carbon Sequestration
Horizontal Well Design
Regional Geology



3 Field Trips

7 Short Courses



Exhibit & Sponsor Opportunities



Cleveland Renaissance Hotel Sept. 22 -26, 2012

Featured Social Event: An Evening at The Rock & Roll Hall of Fame

2012 Eastern Section AAPG Meeting Offerings

Technical Sessions:

Source Rock Geochemistry, Petrophysics and Thermal Maturity

Environmental Effects of Modern Minerals Extraction

Exploration for and Production of Shale Source/Reservoir Rocks

Enhancing Hydrocarbon Production through Secondary and Tertiary Recovery and Modern Hydraulic Fracturing Techniques

Case Histories and Development of Marcellus Shale Reservoirs

Regional Geologic Concepts and New Plays in the Appalachian and Illinois Basins

Carbon Capture and Sequestration and Wastewater Disposal

Horizontal Wells: Design, Drilling, Completion, and Fracturing Techniques

Trenton - Black River Exploration and Production in Michigan and Indiana

Practical Aspects of Surface and Subsurface Mapping

Seismic Expression of Geologically Significant Features

Coal and Coalbed Methane, Nuclear, and Renewable Energy



Deposition and Geochemistry of the Upper Devonian Cleveland Black Shale

Pennsylvanian Sharon Formation, Past and Present: Sedimentology, Hydrogeology, and Historical and Environmental Significance

Terroir of the Grand River Valley (Winery Tour)

Short Courses:

Induced Seismicity: Potential from Injection/SWD Operations and from Hydraulic Fracturing

Enhanced Oil Recovery in the East (Appalachian, Illinois, & Michigan Basins)

Petrophysical Evaluation of Mudstone Reservoirs

Uncertainty Modeling and Risk Analysis

Advanced Geophysical Techniques for Unconventional Reservoirs

Best Drilling and Completion Procedures for Horizontal Wells

Introductory Geochemistry for Shale-Gas, Condensate-Rich Shale, and Tight-Oil Reservoirs

Eastern Section of the American Association of Petroleum Geologists 2012 Annual Meeting



Cleveland Renaissance Hotel - Cleveland, Ohio September 22-26, 2012

General Chairs: Steve Zody & Pete MacKenzie
Technical Program: John Wicks & Chris Perry
Exhibits: Bill Kinney & Amy Lang

Sponsorships: Mark Neese & Jason Henthorne Workshops: Ira Sasowsky & John Thomas

Field Trips: Ed Mack Finance: Greg Mason

August 2012

Dear Prospective Exhibitor,

The Ohio Geological Society is hosting the 41 Annual Meeting of the Eastern Section of the American Association of Petroleum Geologists on September 22 – 26, 2012, in Cleveland, Ohio. The theme for this meeting is "Classic Rocks, 153 years of Performance", and will feature technical sessions, posters, workshops, field trips, and festive social events.

You are cordially invited to participate in the 2012 AAPG Eastern Section Meeting Exhibition, which offers an excellent venue to exhibit your products and services to a spectrum of oil and gas exploration professionals. The Exhibition at the Cleveland Renaissance Hotel includes:

- 20,000 sq. ft. of dedicated, secure exhibition space.
- Poster Sessions in adjacent balcony.
- Opening icebreaker, Monday Sundowner, morning coffee, afternoon soft drinks in the Exhibition Hall.

Commercial booth rental costs \$1500 and includes two complimentary meeting registrations. Booths are 8' x 10' and are furnished with pipe and drape, a table, two chairs and wastebasket. Additional booth furnishings and electrical hook-ups will be available.

To view the Exhibition floor plan and reserve a booth:

http://www.esaapg2012.org/

On behalf of the Organizing Committee for the 2012 AAPG Eastern Section, we thank you for your support and participation in the meeting Exhibition, and look forward to meeting you in Cleveland in September.

Sincerely,

Bill Kinney and Amy Lang Exhibition Co-Chairs





Cleveland Renaissance Hotel
Grand Ballroom
2012 ES AAPG Exhibit Hall

Poster Sessions and Exhibition Space in the Balcony

Prime Stage Space Available

Exhibition Space Available in Entry Foyer (traffic between Exhibits & Tech Sessions)

Many Spaces Heave Plenty of Room for Large (tall) Displays





Reserve Space Early!

Demand is High

www.esaapg2012.org



First OGS Scholarship Awarded

Congratulations to Zack Zody, son of Steve and Jackie Zody. He is the recipient of the first Ohio Geological Society College Scholarship. He will be attending Marietta College this fall, with Petroleum Engineering as his major. We wish him success in college and after he graduates. He will receive an award in the amount of \$1,000 to assist with his expenses for the coming school year.

This is the first year for the Society's scholarship program, and we hope it will be an annual event. I want to thank all of the Scholarship Committee members (Bill Arnholt, Mark Baranoski, Don Jennings, and Nicole Venteris) for their time and effort on the Committee. Please remember to look for an announcement in January or February for next year's Scholarship application information.

Clark Scheerens, Committee Chair

Congratulations to the new 2012-2013 OGS Executive Committee!

President – John Wicks

Vice President – Bill Arnholt

Secretary – Amy Lang

Treasurer – Alison Nutter

Trustees – Don Jennings, Frank Majchszak, Clark Scheerens, Steve Zody, Nicole Venteris

AAPG Delegates – Larry Wickstrom, Steve Zody

AAPG Alternates – Paul Archer, John Wicks

Webmaster - Jim McDonald

OGS May Meeting....













Theodore A. "Ted" DeBrosse (1930-2012)

By James McDonald

Ted DeBrosse, who died on May 21, 2012, was long time and distinguished employee of Ohio Department of Natural Resources (ODNR). Ted was born on June 25, 1930, and was a 1955 graduate of St. Joseph's College, where he majored in geology. Ted DeBrosse started out his career with the ODNR-Division of Geological Survey in the Coal Geology Section. He was first assigned to the statewide program to calculate coal resources, which was ongoing during the 1950's and early 1960's. As part of this effort, he published a Report of Investigation on the coal resources of the Conemaugh Formation of Ohio.

Starting in 1957, Ted DeBrosse was transferred to the Subsurface Section of the Division of Geological Survey. It was here that he began to make a significant contribution to the oil and gas industry of Ohio. Late in 1957, Ted DeBrosse was placed in charge of a project to map the locations of all known oil and gas wells in Ohio. This had never before been done publicly. The project was completed in 1960, just in time for the maps to be heavily used by the public for the Morrow County, Ohio oil boom of the early 1960's. Ted DeBrosse continued to be involved in updating the maps all during the Morrow County boom, never allowing the maps to become out of date during a time when there was large number of wells being permitted and drilled.

In addition, during the period of the late 1950's and early 1960's, Ted DeBrosse became involved in two other activities, the Oil and Gas Fields Map of Ohio and the annual oil and gas statistics. Ted DeBrosse was the co-author on the 1960 Oil and Gas Fields of Ohio map, assisted with mapping of the 1964 Oil and Gas Fields Map, and in 1974, he was the principle author on the 1974 Oil and Gas Fields of Ohio map. The 1974 map served the public for 22 years, until it was updated in 1996. In 1959, Ted DeBrosse started his involvement in the compiling the annual oil and gas statistics for Ohio. He was a co-author for the annual statistics for 1958, 1959, 1964, and 1968, and he was the primary author for the annual oil and gas statistics from 1969 until 1986. This statistical report became known to the industry as "The DeBrosse Report".

Finally, Ted DeBrosse was best known and distinguished himself during his employment with the former ODNR-Division of Oil and Gas. During the Morrow County oil boom of the early 1960's, it became apparent that Ohio's oil and gas laws were inadequate to safely manage the Morrow County oil field. Ted DeBrosse worked with the legislature and industry to help modernize Ohio's oil and gas laws. As part of this modernization, the Division of Oil and Gas was created in October 1965. Ted DeBrosse transferred over from the Division of Geological Survey to the newly created Division of Oil and Gas, thereby becoming one of the first employees. Over time, he eventually became Assistant Chief of the Division. On three occasions, in 1975, 1975-1977, and in 1983, he was acting Chief of the Division. During his tenure as acting Chief, he initiated and established the idle and orphan well program for the Division. This allowed the Division to finance the plugging and restoration of wells when no one could be found to assume these costs.

Professionally, Ted was a founding member of both the Ohio Geological Society and the Ohio Section of the American Institute of Professional Geologists (AIPG), and was a member of the American Association of Petroleum Geologists (AAPG) for over 50 years. He served as the president and was awarded Honorary Membership by the Ohio Geological Society, served as president of the Ohio Section of AIPG, and was inducted into the Ohio Oil and Gas Association Hall of Fame.

Even in retirement, Ted still remained active. He could be seen around ODNR up until the late 2000's, meeting old colleagues and his son Myron for lunch. He would also join people from the oil and gas industry for Friday morning coffee in Worthington. He was survived by wife of 54 years, Betty; children, Richard (Martha) of SC, Myron, Jeffrey (Maryan), and Nanette DeBrosse, all of Columbus; and his grandchildren, Abigail and Michael DeBrosse.



News Release FOR IMMEDIATE RELEASE August 1, 2012

ODNR releases new Ohio Rocks! license plate

Proceeds will support earth science education in Ohio

COLUMBUS, OH – The Ohio Department of Natural Resources (ODNR), Division of Geological Survey is pleased to announce the availability of a new license plate that will fund further research and outreach on the state's geology.

Sales of the new *Ohio Rocks!* license plates will benefit a newly created Earth Science Education and Outreach Fund. The new fund will issue a number of grants to earth science students at Ohio colleges and universities each year for research on the geology of Ohio.

"These funds will help train a new generation of geologists getting degrees in Ohio," says Mac Swinford, interim chief of the Division of Geological Survey. "With these grants, young people can study, and perhaps answer, questions about Ohio geology beyond what the Division of Geological Survey can perform."

A portion of the funds also will be dedicated to providing educational outreach to Ohio's K–12 schools in support of earth science. For example, funding can be used to help continue the Division's very popular rock-and-mineral kit program.

It is anticipated that this funding will benefit a wide spectrum of Ohioans, from users of state parks, sportsmen, educators and homeowners to the extractive industries. The plate has been designed with what is hoped to be a very popular graphic to appeal to a large percentage of Ohioans. The slogan "Ohio Rocks!" is meant to have a double meaning—pointing to both the beauty of Ohio's geology and the message that Ohio is a great place to live.

The new plates can be ordered from the Ohio Bureau of Motor Vehicles at www.oplates.com and at local deputy registrars. The *Ohio Rocks!* license plate program is sponsored by the following groups: ODNR Division of Geological Survey, Ohio Geological Society, Ohio Oil & Gas Environmental Education Program, Ohio Aggregates and Industrial Minerals Association, and the American Institute of Professional Geologists - Ohio Section.

The Ohio Department of Natural Resources ensures a balance between wise use and protection of our natural resources for the benefit of all. Visit the ODNR Web site at www.ohiodnr.com.

For further information, contact: Geologic Records Center, ODNR Geological Survey 614. 265. 6576 Jason Fallon, ODNR Office of Communications 614. 265. 6842





You can support earth science education in Ohio!

Proceeds from the sale of Ohio Rocks! license plates will:

- Fund grants to students at Ohio colleges and universities for research on Ohio geology
- Attract new geology research funding to the state
- ▶ Provide educational outreach to K-12 schools in support of earth science

To order, visit www.oplates.com (AVAILABLE AUGUST 2012)

Thank you letter

Date 5/31/2012

Dear Mr. John Wicks,

Ohio Geological Society, President

I want to sincerely thank you, for me being recipient of Ohio Geological Society named grant through AAPG Grants-in-aid award. I greatly appreciate your generosity in helping me reach my research goals. Receiving this award means a lot to me because with this award, I plan to pay necessary bills for core and geophysical logs studies at Ohio Division of Geological Survey. My research involves understanding of Reservoir Compartmentalization of Rose Run Sandstone (upper Cambrian) in Ohio. It would not have been easy for me to conduct this research because of the expense involved in data gathering for this project and I am grateful for your assistance. Thank you again for honoring me with this award. Your support is greatly appreciated.

With sincerest thanks,
Mihir Shah

A gift has been made to the American Association of Petroleum Geologists Foundation designated to the

Ohio Geological Society Named Grant

By: James A. McDonald 2045 Morse Road Columbus, OH 43229-6693

This gift supports our mission to support educational, charitable and scientific activities related to benefit the geologic profession and general public.

4/4/2012

A gift has been made to the American Association of Petroleum Geologists Foundation designated to the

Ohio Geological Society Named Grant

By:
John A. Miller
110 E Wilson Bridge Rd, Ste 250
Columbus, OH 43085

This gift supports our mission to support educational, charitable and scientific activities related to benefit the geologic profession and general public.

6/20/2012





The Ohio State University Foundation 1480 West Lane Avenue, Columbus OH 43221 (614) 292-2141 gifts@osu.edu

May 29, 2012

Ohio Geological Society PO Box 14304 Columbus, OH 43214

On behalf of The Ohio State University campus community, please accept our appreciation for your generous support. You make possible the dreams and the discoveries that inspire our students, faculty, staff and researchers.

Simply put, your gift makes our success possible.

Kristyn E. Wooten

Associate Director, Advancement Records

Krietin & Wooten

Your gift, received on 5/29/2012, has been designated as follows:

308759 Orton Museum Support Fund

\$843.00

Total Received:

\$843.00

No goods or services were received in exchange for your contribution.

The OHIO ACADEMY of SCIENCE

Position Opening

Chief Executive Officer

Details: http://ohiosci.org/ceo.pdf Effective: January 1, 2013 Closing date: September 15, 2012

Welcome New Members!

Andrew Adgate ODNR Division of Oil and Gas Resources Management – Columbus, OH

Gordon Baird S.U.N.Y. College at Fredonia – Fredonia, NY

Matthew Barnett The Mannik & Smith Group – Ashland, OH

Glenda Besana-Ostman ODNR Division of Oil and Gas Resources Management – Columbus, OH

Robert Hanover ODNR Division of Geological Survey – Columbus, OH

Matthew Hawrylak OSU School of Earth Sciences – Columbus, OH

Stuart Hirsch Hess Corporation – Houston, TX

John Houck ABSMaterials, Inc. – Wooster, OH

Brad Hull The Ohio State University – Mount Gilead, OH

Drew Janek The Ohio State University – Columbus, OH

Nick Leeper The Ohio State University – Marysville, OH

Gregory McMahan Gulfport Energy Corp. – Oklahoma City, OK

Sam Meier Geopetro, LLC

Mitchell Modlich ODNR Division of Geological Survey – Columbus, OH

Pat Moore The Ohio State University – Columbus, OH

Katie Peck Austinburg, OH

Rodney Richardson Baker Hughes – Houston, TX

Alex Sava The Ohio State University – Columbus, OH

Kyle Shalek The Ohio State University – Columbus, OH

Liu Tingting The Ohio State University – Columbus, OH



The Ohio Geological Society P.O. Box 14304 Columbus, OH 43214 www.ohgeosoc.org

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Treasurer

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Don Jennings Frank Majchszak Clark Scheerens Nicole Venteris Steve Zody

AAPG Delegates

Larry Wickstrom Steve Zody

Alternate Paul Archer John Wicks

Webmaster

Jim McDonald

CALENDAR

September **OGS Golf Outing**

Chapel Hill Golf Course, Mount Vernon, OH 13

www.chapelhillgolfcourse.com

September OGS - ESAAPG - PTTC

22 EOR Workshop

The Renaissance Cleveland Hotel - Cleveland, OH

www.esaapg2012.org

OGS - ESAAPG - PTTC September

INDUCED SEISMICITY: POTENTIAL FROM INJECTION/SWD 22

> OPERATIONS AND FROM HYDRAULIC FRACTURING The Renaissance Cleveland Hotel - Cleveland, OH

www.esaapg2012.org

41st Annual Eastern Section AAPG Meeting September

22-26 The Renaissance Cleveland Hotel - Cleveland, OH

www.esaapg2012.org

November **OGS Meeting**

TBD Columbus, OH

December OOGA Oilfield Expo 4-6

I-X Center, Cleveland, OH

www.ooga.org

Visit www.ohgeosoc.org for all upcoming 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 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 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 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 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 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).

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.