



February 2010

Volume 50, Number 8

Upcoming Events and Activities

February 1 - NOGS Luncheon

*** At the Holiday Inn Downtown Superdome ***
\$2.00 validated parking in hotel garage

Guest Speaker Kraig L. Derstler will present a talk on "Comparative taphonomy of tyrannosaurid dinosaurs from the Late Cretaceous of the western United States."

(See page 7 for Abstract and Biography)

HOLIDAY INN DOWNTOWN SUPERDOME

Check with concierge or front desk for location Lunch served at 11:30am Admission:

March 11 - Joint SGS-NOGS Luncheon

Le Pavillon Hotel. Guest speaker and topic to be announced. Check NOGS website for updates.

March 20 - Super Science Saturday

Louisiana Childrens Museum. See announcement on page 20.

April 6 & 7 - 4th Annual Louisiana Groundwater & Water Resource Symposium

Baton Rouge. See announcement on page 13.

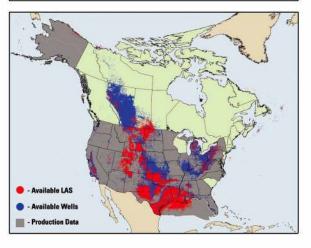
April 11-14- AAPG Annual Convention & Exhibition

New Orleans. See announcement on page 14.

April 13 - An Evening with "America's Greatest Generation"

National World War II Museum. See announcement on page 16.





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The office is located at Suite 300, 810 Union Street, New Orleans, LA 70112.

 $Correspondence \ and \ all \ luncheon \ reservations \ should \ be \ sent \ to \ the \ above \ address.$

Sent to press on January 15, 2010.



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HIGHER STANDARDS



from the President

All of the feedback on the Christmas Party has been positive. We are grateful to Carlo and Beverly Christina for securing the Metairie Country Club. In addition, the following helped to financially underwrite some of the expenses of the party: Ed Picou, Charles Corona, Carlo Christina, Tom Klekamp, Willis Conatser, Bill Furlong, Chuck Holman, George Severson and Bill Whiting. Dolores Murphy picked the winning number for he "Half-n-Half."

Special thanks to Dave Reiter who handled the arrangements with Metairie Country Club and to Darby Reiter who graciously helped out with the registration. The New Orleans Geological Auxiliary also helped in planning the event. NOGA committee chairman was Judy Lemarie' assisted by Beverly Christina, Jean Jones and Amber Klekamp.

The music was by Jerry Embree and Jazzmen Trio. Several people have asked about booking them. If you liked the music and want to arrange them for your own event, call 504-529-9626.

The food was superb. The newly renovated Metairie Country Club manages to retain much of its old charm along with major improvements. Carlo Christina explained that the club's ballrooms were under renovation, following Katrina's ravages, when he secured their use by NOGS. Our thanks to Michelle Gilchrist and her staff at Metairie Country Club for all their help in making this a very successful party.

If you liked the venue please let us know through the NOGS Office in order that we might make it even better next year.

The Volume IV Oil and Gas Fields of Southeastern Louisiana has been resuscitated. It has been 22 years since NOGS last published a field studies volume and much has changed in that period. The extensive use of 3D seismic being the most notable. In addition there have been advances in tubulars, directional drilling, and hydraulic fracturing. The SONRIS database of the Louisiana Department of Conservation will be a huge asset in the project. This data retrieval system is probably the most advanced of any oil and gas producing state.

Thus far the field studies committee consists of NOGS members including Carlo Christina, Charlie Corona, Mike Ledet, Will Conatser, Mike Gallagher and Tom Bergeon. Carlo is still looking for people to step forward.

Previous NOGS field studies volumes were based on onshore, offshore as well as a separate set just on salt dome fields. "Majors tended to have their divisions based on the shoreline," said Christina. "With the majors selling these assets to independents all the division has been erased." Therefore he felt that the new field studies volume would necessarily be a hybrid across geographic boundaries. "It will probably include both onshore and offshore, and maybe some deepwater data," he concluded.

Members of the field studies committee were quick to realize that the resources for producing such a volume had changed. "Twenty years ago we had major company draftsmen aiding in producing these field studies," Bergeon noted. " Now, drafting is all CAD," Bergeon added. "We're confident that digital well logs can be brought into the mix." The committee also wants to add seismic data to each field study.

Initially each field study will appear as a stand-alone article in the NOGS Log, adding greatly to reader interest in this monthly newsletter. When twenty fields have been assembled the final publication will be in digital PDF format. With digital formatting color can greatly enhance the final product. Hardcopy can be done on a desktop color printer.

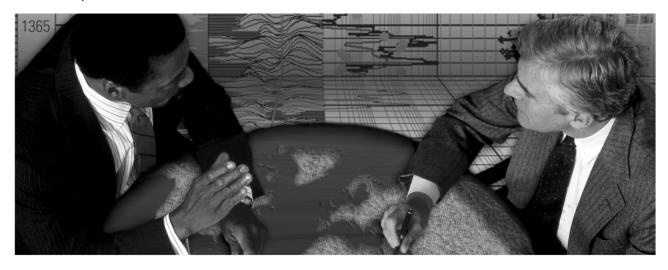
The list of possible fields for the NOGS volume includes Lake Washington, Bayou Postillion, Judge Digby, Flat Rock, Etouffe, Main Pass 69, Bayou Segnette, the Cris I stratigraphic traps, Lockhart Crossing and West Lake Pontchartrain. If you want to submit a field, contact Carlo Christina at 504-835-2383 (office) or 504-810-7286 (mobile).

Lastly, we note that NOGS member David Cooke was appointed Regional Supervisor for Resource Evaluation at the Elmwood Office of Minerals Management Service. Dave has been a long-time supporter of the society. Congratulations Dave.

Tam

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February 1 NOGS Luncheon Presentation

*** at the Holiday Inn Downtown Superdome ***

Comparative taphonomy of tyrannosaurid dinosaurs from the Late Cretaceous of the western United States

presented by

Kraig Derstler, Ph.D.

Department of Earth & Environmental Science, University of New Orleans

ABSTRACT

Tyrannosaurid dinosaurs are well-known from the Late Cretaceous of Western North America. Dozens of skeletons have been collected; many are exhibited in the world's natural history museums. Most were collected as museum trophies, without any effort to determine 1.) why they are relatively abundant, and 2.) why they are often very well preserved. Between 1997 and 2007, the writer excavated several tyrannosaurids from the Hell Creek, Lance, and Judith River Formations. Careful study of the taphonomy of these skeletons and comparison with available information on other specimens from the same rocks provided some general answers.

First, tyrannosaurid fossils are relatively abundant because their remains are more likely to

survive paleoenvironmental destruction than other dinosaurs ~ 1A.) huge fossils are favored during fossilization in fluvial settings and 1B.) tyrannosaurids had unusually tough bones.

Second, museums have many high-quality tyrannosaurid skeletons because 2A.) the bones are unusually tough, so they resist penecontemporaneous and Recent abuse, 2B.) paleontologists are willing to devote extra field, lab, and restoration effort to these high-value skeletons, and 2C.) we have a very large sample of tyrannosaurids. In short, we seldom collect or write papers about the fossils that are relatively poorly preserved; the wealth of fossils generates the perception that most tyrannosaurids are unusually well preserved.

BIOGRAPHY

Kraig Derstler is an Associate Professor and Undergraduate Advisor in the Department of Earth & Environmental Sciences at the University of New Orleans. He began teaching paleontology and computer applications at UNO in August 1982. For most of his time in New Orleans, he has organized and led summer dinosaur expeditions into the Western Interior. He earned his BA, cum laude from Franklin & Marshall College (1975), an MS from the University of Rochester (1977), and a PhD from the

University of California, Davis (1985). His research has ranged from Early Paleozoic echinoderms, to mosasaurs, Upper Cretaceous dinosaurs, bird origins, as well as fossil and modern sea turtles. On the side, he grows endangered cycads, collects modern snails called pleurotomarians and xenophorids, and hangs out with his dog Benjamin Franklin Derstler. He won the Westinghouse Talent Search, is a member of Phi Beta Kappa, and this year was awarded the UNO College of Science Undergraduate Teaching Award.

THE LUNCHEON RESERVATION DEADLINE IS JANUARY 27 - CONTACT THE NOGS OFFICE

"And Looking Ahead..."

The next NOGS Luncheon will at Le Pavillon Hotel on Thursday, March 11, and will be a joint SGS-NOGS event. Guest speaker and topic to be announced; check NOGS website for updates. Contact the NOGS office to make your reservation.

2009 NOGS Highlights

In March, NOGS launched its new Web site. The new site is designed to give the membership more information on events and has restored the "Member Search" capability. After having three months of only monthly luncheon meetings, activities picked up in April when three events were held. On April 17, the NOGS-SGS Summer Social was held at Zephyr Field for a game between the Nashville Sounds and our Zephyrs. Although it was billed as a "Summer Social," it was a very chilly evening requiring warm jackets. On April 27, the annual NOGS Golf Tournament was held at Money Hill Country Club and Golf Course. Participation was down from last year, but almost back to pre-Katrina levels. The annual Petroleum Geology for Non-Geologists short course was held on April 29 with about 40 participants. Dr. Royhan Gani, of the UNO Department of Earth and Environmental Sciences, presented a one-day Technical Seminar and Core Display at the One Shell Square Auditorium on May 14. The seminar focused on deltaic reservoir analogs integrating outcrop, core, ground penetrating radar and fluid-flow modeling in Cretaceous sequences in the Powder River Basin in Wyoming. Although attendance was light, the seminar provided Dr. Gani with his first opportunity to interface with NOGS members.

On July 16, the third "Geologic Facts of Life for Flood Protection in Coastal Louisiana" symposium was held in the Jefferson Parish Council Chambers. As a 'first,' the entire session was video recorded by local Fox News. NOGS, with cosponsors SPE-Delta and local chapter of AADE, held a very successful 13th Annual Gulf of Mexico Deepwater Technical Symposium at the Hilton Riverside Hotel. The event drew an attendance of approximately 400 industry geoscientists and engineers. As a community endeavor, a few NOGS members participated in the "Beach Sweep" sponsored by the Lake Pontchartrain Basin Foundation on September 19. Over eight tons of debris were collected – quite a successful event! On October 2, an outstanding "Kick Off" Party was hosted by NOGS president and spouse, Amber, in their home in Mandeville. With the combination of a beautifully appointed home and delicious repast furnished by Patton's Catering of Slidell, success was assured. With an attendance of over a hundred, it is testimony that NOGS social events can be held on the north shore. On December 3, a luncheon meeting was held by a few senior members concerned about the moribund efforts for publishing Oil and Gas Fields Volume 4. Carlo Christina has volunteered to spearhead the effort. The last social event of the year was the NOGA-NOGS Christmas Party held on December 4 at the Metairie Country Club. Although the weather was cold, stormy and rainy, this didn't dampen the festivities of the party which was attended a hundred or so folks. Both the club's food and the music provided by the popular The Jazzmen Trio, added to the enjoyment of the evening.

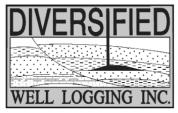
As a closing note, NOGS obtained a WebEx license and began hosting its monthly luncheon meetings to the north shore and UNO. Starting in December, the Board of Directors, as well as the Memorial Foundation Board, have used the WebEx for meetings. With the increasing difficulty of meeting "in person" at the NOGS office, this advanced way of conducting meetings has many advantages, as any NOGS member can dial in and participate. Welcome to the future!

Ed Picou



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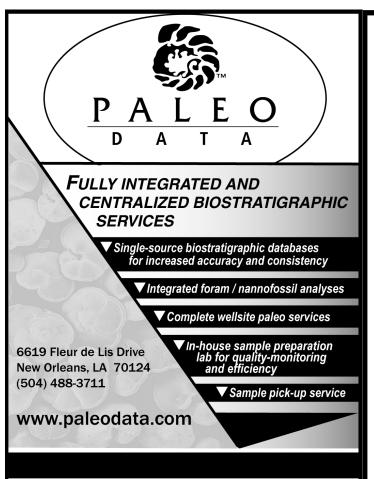


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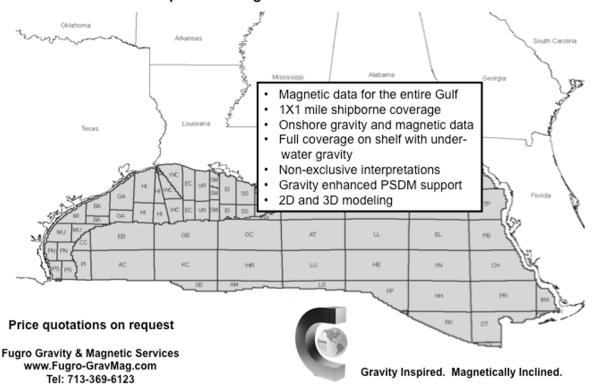
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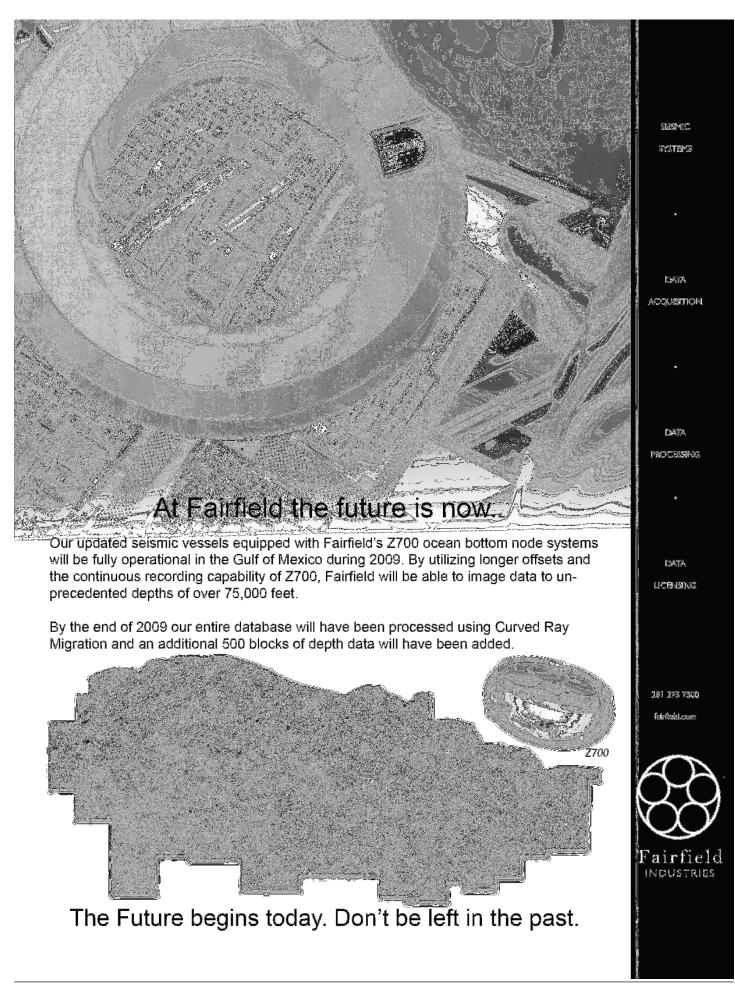


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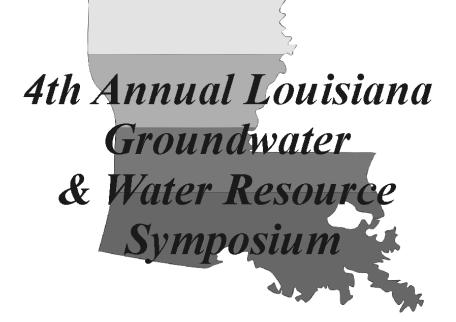
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Baton Rouge Geological Society



April 6 & 7, 2010

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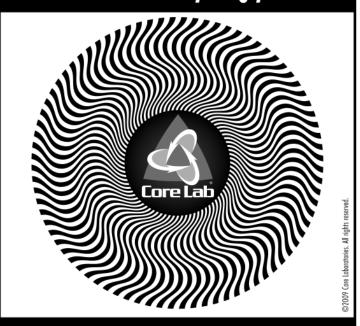
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NOGS Christmas Holiday Party















































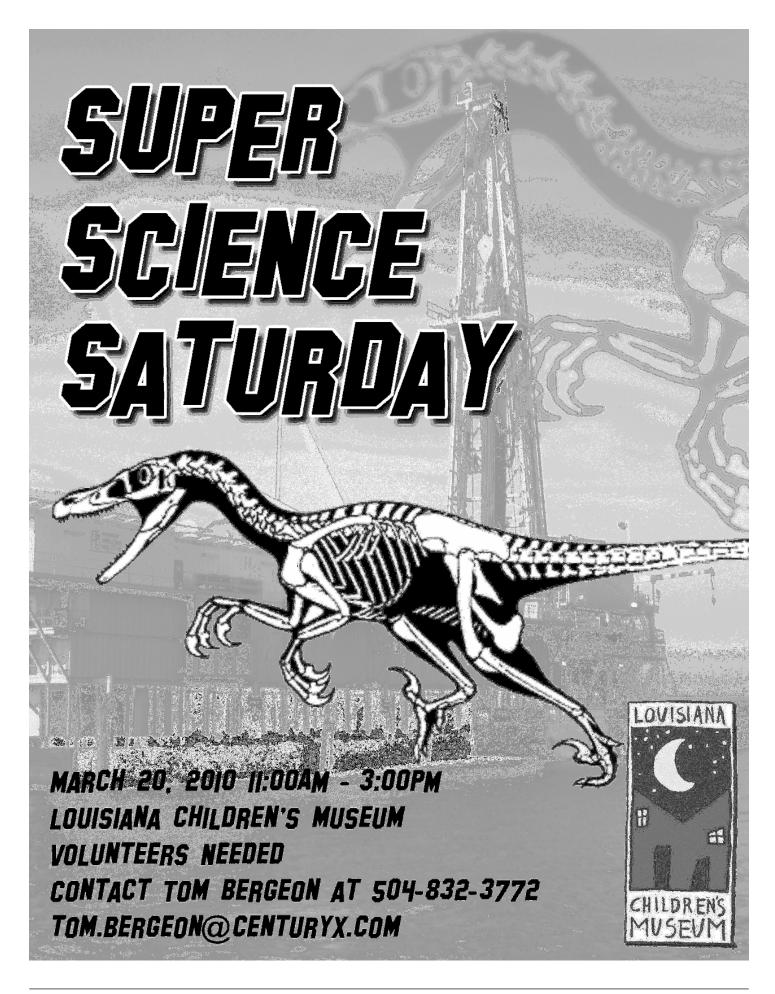














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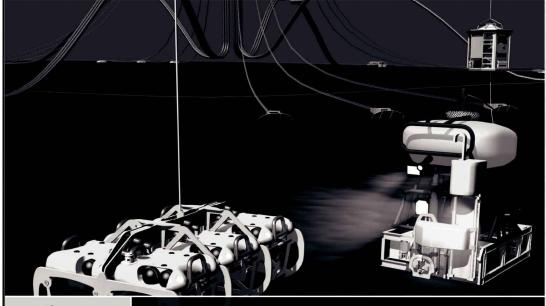
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INFOTIDBITS

- There is a proposal in place to create the first underground natural gas storage facility in Arizona. It is located north of Eloy, Az and untilizes salt caverns. http://arizonageology.blogspot.com/2009/12/arizonas-first-underground-naturalgas.html
- This lovely article explores the age old relationship between geologists and beer consumption. The article also includes some great tips for chilling said beverage when in remote locations like Mongolia.
 http://www.wired.com/wiredscience/2009/12/15943/
- The North Pole is shifting rapidly these days, as much as 34-37 miles a year and headed off to Siberia. Make sure your magnetic field maps are up to date before you head off anywhere using a compass. http://news.nationalgeographic.com/news/2009/12/091224-north-pole-magnetic-russia-earth-core.html

- Liz Petro and Fran Wiseman

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Michael Fogarty Chair – External Affairs Committee

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The AAPG- Division of Environment Geology: The Division of Environmental Geology (DEG) offers AAPG members an opportunity to increase their knowledge about the environment and the petroleum industry. DEG approaches basic environmental issues from a geological standpoint, so the profession's understanding of geological, geochemical, geophysical and hydrogeological principles and methodologies can be applied to environmental problems. The DEG relies on the active participation of its members to accomplish its goals and objectives. There are a number of committees that members can join. For more info: deg@aapg.org

Please go to http://www.nogs.org/nogs_external_affairs.html for more events and information.

Celebrate with the New Orleans Geological Society An Evening with "America's Greatest Generation" at the National World War II Museum

Tuesday, April 13, 2010 from 7:00 to 10:00 p.m.

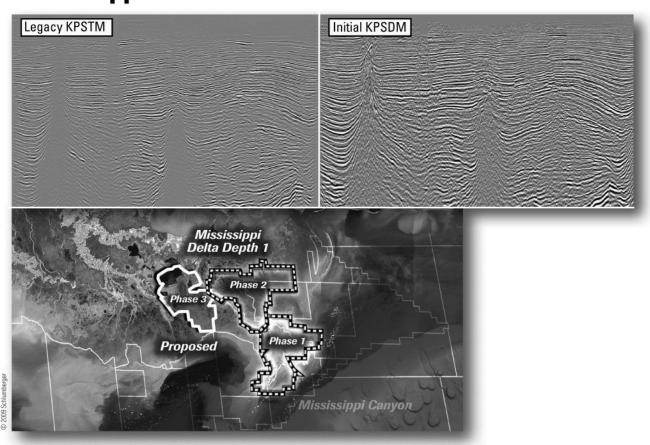
- * Enjoy a memorable and relaxed evening with your friends and colleagues
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- * Fabulous Southern buffet dinner catered by world-renowned Chef John Besh
- * Access to all the Museum's exhibit areas for touring at your leisure.
- * For more information about the Museum and its various amenities, please visit www.nationalww2museum.org
- * Round-trip bus transportation will be provided from the AAPG Convention Headquarters Hotel to the Museum and will be available 6:15 to 10:45 p.m.
- * Cost of admission: \$50 per person

 $http://www.aapg.org/neworleans/documents/NOSponsorBrochure.pdf\\ or contact$

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CALL FOR PAPERS

60th Annual Convention October 10-12, 2010 San Antonio, Texas

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Welcome back to San Antonio! Our theme this year is <u>"Weathering the Cycles"</u> – a challenge that resource geologists certainly have faced and overcome in the past! How do we weather the economic cycles? We...

- ✓ Network with our community
- ✓ Experience the latest technology in the technical exhibition
- ✓ Take a course or a trip and grow new and diverse skills
- ✓ Listen to special presentations on strategies to endure and prosper during an economic downtime and prepare for the inevitable rebound.

By celebrating our successes, facing our challenges, and learning from the research results of our peers, we are paid back many fold by sharing ideas and experiences among our professional community. So come and share your experiences! Suggest a session topic, present an oral paper or a poster, learn about the latest ideas and technologies in our field. Come to San Antonio and enjoy the Gulf's own geoscience convention!

PROPOSED TECHNICAL SESSIONS INCLUDE...

- ✓ Organic 'Shales' of the Gulf Coast Controls on Reservoir Quality and Producibility
- ✓ Gulf of Mexico Paleogene Reservoirs, Events and Controversies
- ✓ Eastern Gulf of Mexico Exploration Potential and Environmental Challenges
- ✓ Texas/Mexico Borderlands Structures, Resources, and Lessons Learned
- ✓ Unconventional Resources Exploration Decisions and Production Issues
- ✓ Integration of Seismic Geomorphology and Wellbore Data Case Studies
- ✓ New and Evolving Technologies *Impact on Commerciality*
- ✓ Horizontal Drilling and Formation Stimulation Edwards, Wilcox, and elsewhere
- ✓ Carbon Sequestration Risks, Opportunities, and Implications for EOR
- ✓ Alternative Energy Solutions The Role of Geoscience
- ✓ Water for a Growing Region Geology, Water Quality, and Resource Management
- ✓ Geologic Training and Education Preparing for the Crew Change

HOW TO SUBMIT:

Abstracts (not more than 250 words) should be submitted for review online or via email to the technical program chair. Papers should have application to Gulf Coast and Gulf of Mexico geology. Include your full mailing address, telephone and FAX numbers, email address, and whether you are submitting for **oral** or **poster** or **either** (preferred).

Submit abstracts by February 1, 2010 as instructed on the website www.gcags2010.com

Notification of acceptance by March 1, 2010. All presenters, both oral or poster, must submit either a paper (10-12 pages) or an extended abstract with key figures for review by **April 16, 2010**, for inclusion in the *Transactions*. Full instructions for authors will be posted at www.gcags2010.com.



ABSTRACT DEADLINE: FEBRUARY 1, 2010!

Questions or ideas for the technical program should be directed to:
Dr. Mary Feeley
Dr. Alan Dutton
Technical Program Chair
GCSSEPM Co-Chair
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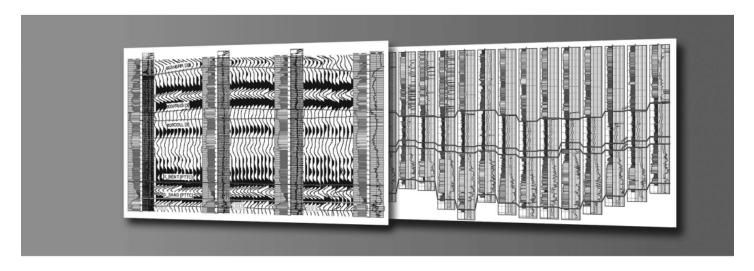


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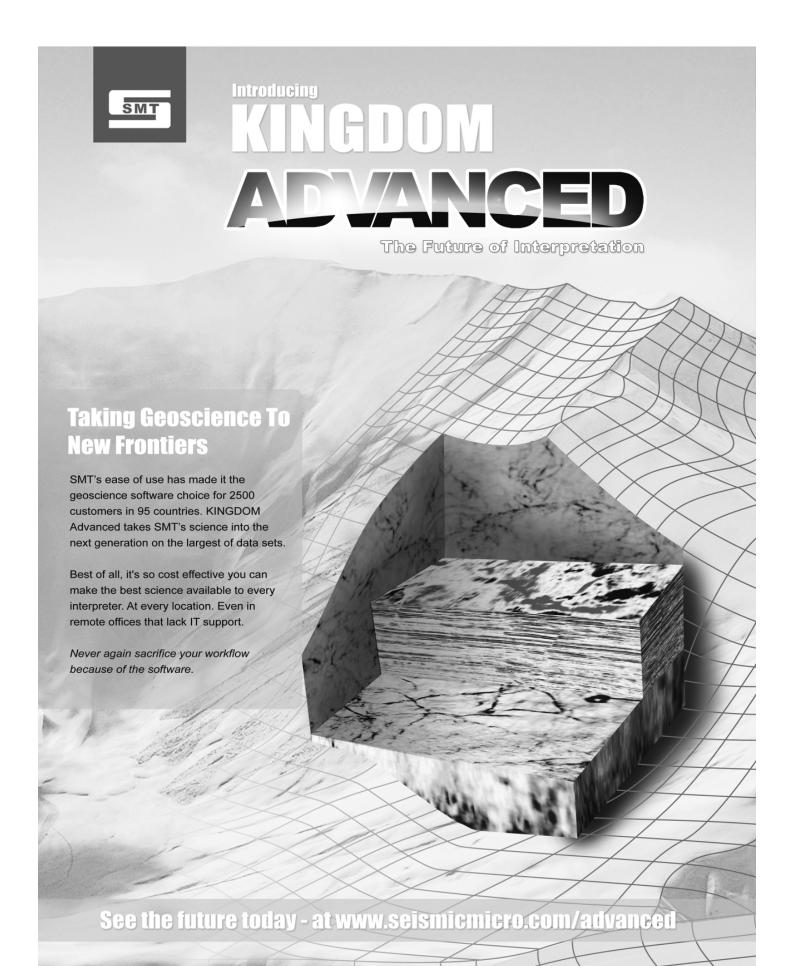
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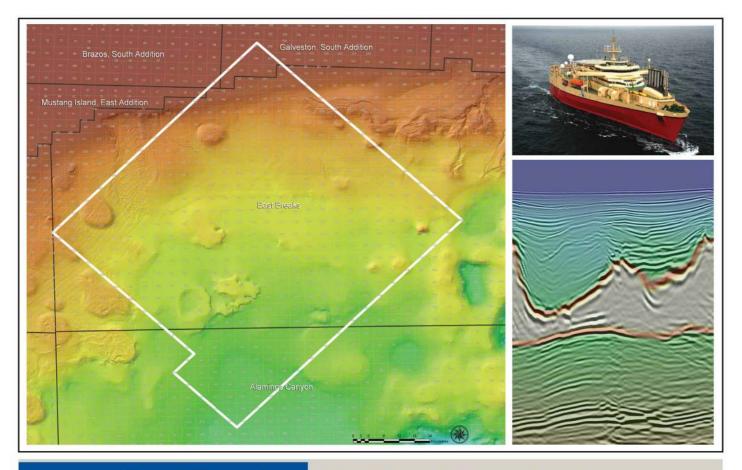
AAPG's Imperial Barrel Award Program (IBA) is a global competition, where University teams analyze a complete dataset (geology, geophysics, land, economics, production infrastructure, and other relevant materials) in six to eight weeks prior to the competition. Each team delivers their results in a 25-minute presentation to a panel of industry experts.

The Gulf Coast competition will take place in March, with the winning team competing in the finals against teams from throughout the world. The finals will be held during the 2010 AAPG Convention in New Orleans. Among the teams entering the Gulf Coast regional competition are LSU, UNO, and Alabama.

Help needed from NOGS members:

- · Mentors to make presentations at one or more schools on topics such as basin analysis, subsurface mapping, prospect economics, etc.
- · Sponsors to help defray the travel costs for the students

If you would like to help or want additional information, contact Art Johnson (artjohnson51@hotmail.com).



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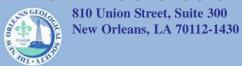
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