

NOGS LOG

MARCH 2018

Volume 58, Number 9



MARCH 5 - NOGS LUNCHEON PRESENTATION

New Orleans at 300: Why, Where, and How the City Was Founded 1682-1722

Guest Speaker: Richard Campanella
Tulane University • New Orleans, LA



The combined profit from this event
will benefit the
Children's Museum Initiative
on the north and south shores.

This year NOGS, PLANO and SPWLA are joining forces for the
2018 Annual Golf Tournament

Please register early! We are limited to only 100 players.

Bayou Oaks at City Park New South Course
City Park • New Orleans, LA

Friday • May 18, 2018

Registration Form
on page 12 of this issue!

Format: 4-person scramble
with shotgun start at 9:00 a.m.

Post tournament lunch sponsored by
Diversified Well Logging

Registration opens at 7:00 a.m.
with breakfast served until tee time (9:00 a.m.)

Price includes green fees, cart, range balls, food & drinks, flight, and prizes.
What else could you possibly ask for?

Costs:

\$150/individual • \$700/corporate • Hole sponsors are \$125

A portion of your tournament participation fee will be tax deductible under the NOGS Memorial Foundation 501(c)3.

We need volunteers!

If you can help out, you will be treated to a day of fun, food, and be eligible for some door prizes.

Donations of any kind are welcome!



Published monthly by the New Orleans Geological Society. This issue was sent to press on Feb. 27, 2018.

Interested in contributing to the NOGS LOG?

Please submit items by the 1st Friday of the month to nogseditor@gmail.com. Advertising requests should contact the NOGS office at info@nogs.org.

IN THIS ISSUE

Regular Features:

On The Cover	3
From the Editor	3
From the President	4
NOGS Officers / Contacts	6
Upcoming Events & Activities	7
NOGS Luncheon Presentation	9
Calendar of Events: March - July	10
Drill Bits	16
NOGS Memorial Foundation & FONO Fund	21

Special Features:

NOGS 2018 Golf Tournament	2
NOGS February Luncheon	8
New 2017 Ad Rates!	8
NOGS 2018 Golf Tournament Registration	12
DWTS 2018 Save the Date!	14
SIPES Membership Drive Crawfish Boil	14
NOGS Publication Sale	18
LA Coastal Geology Symposium 2018	19
Super Science Saturday	23

on the cover

Cover photo provided by Shenandoah National Park

Sunset at Shenandoah National Park — Virginia

This month's cover photo from the National Park Service features a scenic view of the Blue Ridge Mountains from Moormans River Overlook in Shenandoah National Park in north/central Virginia. The oldest rocks include granitic basement rock and highly metamorphosed sequence dating back to the Greenville orogeny 1.0-1.2 billion years ago. The park is also known for its vast quantities of greenstone, an altered version of the basalt from the massive lava flows triggered by continental rifting approximately 570 million years ago. Later orogenic events led to the metamorphosing of the basalt, inducing secondary crystallization of minerals like chlorite and epidote that give the greenstone its distinctive hue. Shenandoah also contains large sedimentary formations from fluvial and near shore depositional environments formed during the transgression of the Iapetus Ocean.

From the Editor

As we approach another Super Science Saturday, I can't help but reflect on how it will be our first year to hold the event without the wit and wisdom of Art Johnson to help us along the way. I've likely mentioned this story in past *NOGS LOGS*, but one of my favorite memories of Art came at a particularly embarrassing moment for me at Super Science Saturday two years ago. I was stationed at the raptor table and knew in my heart that this could only end in tragedy as I know NOTHING about dinosaurs. Sure enough, I was shown up in front of a small crowd by a 7-year old kid with an encyclopedic knowledge of ancient reptiles. I comforted myself briefly by thinking, "Nobody here is a paleontologist. I'm sure they're all bluffing they're way through the dino exhibits too." Not so for Art. I jealously watched as he regaled the kids with accurate dinosaur facts. It's impossible to overstate how much more fun the visitors at his table seemed to be having than the ones at mine. Fortunately, nobody needs to be a paleontologist to volunteer at Super Science Saturday on April 7. Like Art, all you need is a passion for geology, education, and outreach to spark the interest of learning in the next generation of scientists. And watch out for the raptor table.



Laura

Laura Sorey, Editor



FROM THE PRESIDENT CHRIS MCLINDON

It is not every day that we are presented an opportunity to make a difference in the world. It is even less common that we are presented that opportunity in the role of geologist. On January 9, 2018 geologists in south Louisiana were presented an opportunity to participate in the construction of the Louisiana Geological Survey's Coastal Geohazards Atlas.

<http://www.lsu.edu/mediacenter/news/2018/02/08geohazardsatlas.eb.php>

The Survey is open to considering all sources for the interpretation of geological features affecting the land surface in coastal Louisiana. Principal among those are faults. Faults that intersect the land surface may have significant implications across a wide spectrum of infrastructure and sustainability concerns. The fault interpretations contributed for inclusion in atlas will be certified by a panel of expert geologists. The atlas will be made available in standard geographic information systems (GIS) format to allow for broad-based application in infrastructure design and sustainability planning. Ultimately, this atlas will be presented to the United States Geological Survey to be considered for the Quaternary Fault and Fold Database of the United States.

LGS has convened an advisory panel of experts in the interpretation and analysis of faults to offer advice on and provide content for the construction of the fault map. Panel members include representatives of academia and state or federal agencies that have published technical evaluations of faults as well as individuals experienced in the interpretation of faults on reflection seismic data. Selected members of the advisory panel comprise a certification panel whose responsibilities are described in the next section. The advisory panel may include active employees of the oil and gas industry, but these members will not participate on the certification panel in order to minimize any potential conflicts with the license agreements governing the use of the oil and gas industry seismic data.

Methodology

Initially the emphasis on the fault mapping will be within

the portion of Louisiana south of Interstate Highways I-10 west of Baton Rouge and I-12 east of Baton Rouge. The focus described here is bringing the interpretation of oil and gas industry seismic reflection data into a prominent role in identifying and characterizing faults that affect the shallow subsurface and land surface. The scope of this project may be expanded in the future to areas to the north and to include other methodologies such as the interpretation of LIDAR digital elevation models. The LGS has already compiled a significant body of fault research using the latter methodology. Eventually, other methodologies such as land-based and marine high-resolution seismic data may be integrated into the interpretation of faults across the state.

The interpretation of faults using oil and gas industry seismic data will be implemented by one of three basic approaches:

1. The direct donation of research licenses to specific seismic data surveys to Louisiana universities. In general, these seismic surveys will be used in research projects associated with MS theses and PhD dissertations. The interpretation of surface fault traces documented in the theses, dissertations, and subsequent peer-reviewed scientific publications may be incorporated directly into the atlas by the certification panel.
2. Access to specific seismic surveys through internships at oil and gas companies. All aspects of this approach will be the same as the direct donation of data licenses to the universities, except that MS or PhD candidates will interpret the data during the term of an internship at a company that owns a license to the data. The students will be allowed to incorporate their interpretations of the data into their research and selected images, but they will only have direct access to the data in the office of the company during the internship.
3. The presentation of fault interpretations directly to the certification panel by geoscientists employed by oil and gas companies. In this approach members of the certification panel will visit the offices of oil and gas companies that own licenses to seismic data surveys. With the approval of the seismic companies owning the intellectual property rights to these surveys, industry geoscientists will present their interpretation of fault traces from the seismic surveys in the offices of the companies by whom they are employed. The certification panel will certify the interpretation of the surface fault traces in the office, and leave with a digital GIS file of the certified traces.

The first two of these approaches have been employed

over the past two years in six research projects sponsored by NOGS at LSU, Tulane, UNO, and ULL. Although most of the research for these projects is still underway, they have conclusively determined that this approach to interpreting surface fault traces using oil and gas industry seismic data works very effectively. The area covered by any of these individual research projects is generally less than 300 square miles, and even with all seven projects taken together, this area of coverage is inadequate to allow for the creation of an atlas. The third approach has not yet been attempted but it is believed to offer the most effective and efficient means of getting to a “critical mass” of fault interpretations necessary to publish a comprehensive atlas. In addition, to increase coverage, LGS will compile the documented traces and features that have been interpreted as fault traces. Those that occur in areas of existing or planned infrastructure development will be given priority in obtaining geophysical data. LGS will be responsible for the creation of the atlas, integrating data from the seismic data studies with the verified historical fault identification stemming from the work of others. The advisory panel will provide guidance in this process.

Application

The application of interpreted surface faults in south Louisiana was addressed in the U.S. Army Corps of Engineers report ACTIVE GEOLOGICAL FAULTS AND LAND CHANGE IN SOUTHEASTERN LOUISIANA - A Study of the Contribution of Faulting to Relative Subsidence Rates, Land Loss, and Resulting Effects on Flood Control, Navigation, Hurricane Protection and Coastal Restoration Projects, U. S. Army Corps of Engineers, New Orleans District, Contract No. DACW 29-00-C-0034, Gagliano et al., 2003.

This report reaches five fundamental conclusions:

1. Submergence of coastal wetlands due to a combination of compaction, sea level rise and fault slip has been the major cause of land loss in the delta plain during the 20th century.
2. Fault movement in the area of the modern delta plain has been continual and episodic for millions of years. Episodes of active fault movement are separated by dormant periods when movement persists as slow creep. An episode of fault slip between 1964 and 1980 appears to be associated with significant land loss on downthrown sides of faults.
3. There is a relationship between faults and salt structures. Ductile, incompressible, low density salt moves relative to surrounding compacting sediments; and this movement of salt interacts with faults associated with the salt structures.

4. Continual episodic and slow creep fault slip may cause preferentially thicker accumulations of compactible organic clays and peats on the downthrown side of the faults, thereby delineating areas where subsidence rates may be higher due to the greater compactibility of the soil column.
5. Faulting poses a natural hazard in southeastern Louisiana, and the findings of the report have direct applications to the planning and design of coastal restoration efforts, including infrastructure elements.

Many states maintain interactive fault maps for application to infrastructure planning. For most states, faults are considered geohazards because of known earthquake occurrence. Earthquakes in south Louisiana are generally rare and of low magnitude when they do occur. The potential impacts of the gradual slow-slip fault movement described by the USACE report on infrastructure are just as important to understand. Faulting may affect transportation infrastructure and port facilities but will probably be most important for flood protection infrastructure. One of the first applications of a fault atlas should be an investigation of any relationship between the faults and historical crevasses of the Mississippi River and Bayou Lafourche. Understanding a potential relationship between faults and historical crevasses will have direct application in maintaining the integrity of flood protection infrastructure where it is crossed by faults.

The integration of a fault map and the Coastal Geohazards Atlas into coastal sustainability planning and project design will provide the means to improve the effectiveness and efficiency of both. By understanding the processes by which faults have played role in accelerated wetlands loss in the late 20th century, sustainability planning strategies may be adjusted to avoid placing large, expensive restoration projects on or near faults that appear to have experienced active slip in the recent past. Similarly, mapping the distribution of thick accumulations of organic peats associated with subsidence due to fault slip may help to identify areas that may respond adversely to concentrated loading of sediment by large restoration projects.

Individuals and companies that have access to the data (subsurface or seismic) necessary to do an interpretation of a fault that reaches the land surface are encouraged to participate in the construction of the Coastal Geohazards Atlas.

Chris McLindon





NOGS Office

Office Manager: Annette Hudson

Phone: 504-561-8980 • Email: info@nogs.org • Website: www.nogs.org

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

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

BOARD OF DIRECTORS

		Company	Phone	E-mail
President	Chris McLindon	Upstream Exploration LLC	504-756-2003	chris.mclindon@Upstreamexp.com
Vice President	Robert Rooney	Robert M. Rooney Inc.	504-460-0319	robmrooney@aol.com
Secretary	Grant Black	Chevron	985-773-6882	gblack@chevron.com
Treasurer	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
President-Elect	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com
Editor	Laura Sorey	EarthCon Consultants	601-421-3352	lc.sorey@gmail.com
Director 2018	Brenda Reilly		504-430-4240	brendaereilly@hotmail.com
Director 2019	Jennifer Connolly	Shell	504-425-6411	jennifer.connolly@shell.com
Director 2020	David Reiter	Stone Energy	504-593-3623	reiterde@stoneenergy.com

COMMITTEE

	Chairperson			
AAPG Delegates	William M. Whiting	Consultant	504-947-8495	bootscon@aol.com
AAPG Student Chapter	Sam B. Shrull	LSU	281-705-3254	sshrul2@lsu.edu
AAPG Student Chapter	Tushar Bishnoi	Tulane University		tbishnoi@tulane.edu
AAPG Student Chapter	Joshua Flathers	UNO	504-952-6437	jrflathe@uno.edu
Advertising-Log	TBD			
Auditing	Al Melillo	Retired - Chevron	504-491-0683	allanmelillo@bellsouth.net
Awards	Michael N. Fein		504-717-6465	lfeinmn1@cox.net
Ballot	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
Best Paper	Bay Salmeron	Chevron	832-854-6431	bay.salmeron@chevron.com
Entertainment	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com
Environmental	TBD			
External Affairs	TBD			
Finance and Investment	Margaret McKinney	TGS	504-524-3450	margaret.mckinney@tgs.com
Historical	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net
Membership/Directory	TBD			
New Geoscientists (NGNO)	Rachel Carter		913-710-8021	r_carter@me.com
Nominating	J. David Cope	Rising Natural Resources LLC	504-214-6754	greatmre@aol.com
Non-Technical Education	Duncan Goldthwaite	Consultant	504-887-4377	DGldthwt@aol.com
Office Operations	Al Melillo	Retired - Chevron	504-491-0683	allanmelillo@bellsouth.net
Publications Sales	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net
School Outreach	Thomas C. Bergeon	Upstream Exploration	504-832-3772	tom.bergeon@upstreamexp.com
Special Projects	TBD			

NOGS LOG STAFF

Editor	Laura Sorey	EarthCon Consultants	601-421-3352	nogseditor@gmail.com
Editor-Elect	TBD			
Auxiliary	NOGA Officers and Directors	NOGA		
Drill Bits	Al Baker	Beacon Exploration, LLC	504-836-2710	ABaker1006@aol.com
Drill Bits	Carlo C. Christina	Retired (C & R Expl. Inc.)		carlocc398@aol.com
Drill Bits	Kevin Trosclair	BOEM	504-202-7997	kevintrosclair@gmail.com
Staff Photographer	Arthur Christensen	Shalimar Consulting	985-893-2013	arthur_shalimar@yahoo.com
Layout / Printing	Kristee Brown	Creative Graphics & Printing, LLC	985-626-5223	kpbrown@bellsouth.net
Webmaster	Charles Miller	OCSBBS Website		

NOGS AUXILIARY

Officers		Phone	Directors	Year	Phone
President	Margie Conatser	504-469-2496	Linda Pierce	2016-18	504-393-7365
Vice-President	Camille Yeldell	504-835-7467	Genny Melillo	2016-18	985-725-1553
Secretary	Trez Marie Zotkiewicz	504-831-3023	Penny Bryant	2017-19	504-831-7744
Treasurer	Judy Lemarié	504-393-8659	Loretto Stephens	2017-19	504-451-3472
Parliamentarian	Alma Dunlap	504-737-2678			
Member-at-Large	Trudy Corona	504-737-6101			



U
P
C
O
M
I
N
G

March 5 • NOGS Luncheon

Holiday Inn Downtown Superdome

\$3.00 validated parking in hotel garage

Presentation:

*New Orleans at 300: Where, Why, and How the City was Founded
1682-1722*

Guest Speaker:

Richard Campanella

Tulane University • New Orleans, Louisiana

See page 9 for Abstract and Biography

HOLIDAY INN DOWNTOWN SUPERDOME

Check with concierge or
front desk for location.

Lunch served at 11:30 am

ADMISSION:

With reservation..... \$30.00

Without reservation \$35.00

Student Member with reservations..... FREE

March 19

SIPES Luncheon

Andrea's • Metairie, Louisiana

For more info: Carol St. Germain, 504-267-346

March 27-28

12th Annual Louisiana Water Conference

LSU • Baton Rouge, Louisiana

For more info: https://easychair.org/cfp/lawater_2018

**VOLUNTEERS
NEEDED!**

April 7

Super Science Saturday

Louisiana Children's Museum • New Orleans, Louisiana

For more information: tom.bergeon@upstreamexp.com

**VOLUNTEERS
NEEDED!**

April 17

SIPES 3rd Annual Membership Drive Crawfish Boil

The Harbor Bar & Grill • Metairie, Louisiana

For more information: www.sipesneworleans.org or www.sipes.org

NOGS CONTACT LIST

Continued from previous page

MEMORIAL FOUNDATION

BOARD OF TRUSTEES

2017-2018	Chairman	Al Melillo
2017-2018	Secretary	Chris McLindon
2017-2018	Trustee	Chuck Holman
2017-2018	Trustee	Al Baker
2018-2019	Trustee	Kelli Hardesty
2018-2019	Trustee	William M. Whiting
2019-2020	Trustee	David E. Reiter
2019-2020	Trustee	TBD

Company

Retired - Chevron
Upstream Exploration LLC
Beacon Exploration, LLC
ERM
Consultant
Stone Energy Corporation

Phone

504-491-0683
504-756-2003
504-975-6735
504-836-2710
504-846-9245
504-947-8495
504-593-3623

E-mail

allanmelillo@bellsouth.net
chris.mclindon@upstream.com
charleswholman@bellsouth.net
abaker1006@aol.com
kelli.hardesty@erm.com
bootscon@aol.com
reiterde@stoneenergy.com

AAPG DELEGATES

Term Ends

2018	Earl Cumming
2018	William M. Whiting
2018(a)	Dave Balcer
2020	Elizabeth McDade
2020(a)	G. Alex Janevski

Reservoir Frameworks LLC
Consultant
Shell

985-630-6898
504-947-8495
504-425-6214

earlcumming@bellsouth.net
bootscon@aol.com
balcer@bellsouth.net
elizabeth_mcdade@fmi.com
gregory.janevski@shell.com

NOGS FEBRUARY LUNCHEON



Ellen Clark, SGS President and February luncheon guest speakers Trevor Bollmann and Mike Murat



Contact:
Annette Hudson
info@nogs.org

2018 ADVERTISING RATES

The New Orleans Geological Society was formed in 1941, with an initial membership of only 55. It has always been an active professional society and presently has a membership of 500.

AD SIZE	2015 RATE	NEW 2018 RATE!
Full Page (7.5"x10")	\$3500	\$1750
Half Page (3.75"x10" or 7.5"x5")	\$1850	\$925
Quarter Page (3.75"x5" or 7.5"x2.5")	\$1000	\$500
Eighth Page (3.75"x2.5")	\$600	\$300
Twelfth Page (3.75"x1.65")	\$375	\$188
Note Size (3.75"x.75")	\$120	\$60



PREMIUM LOCATIONS

Inside Front Cover.....	+30%
Opposite President's Page.....	+20%
Opposite Oral Abstract.....	+20%
Inside Back Cover.....	+30%
Outside Back Cover	+40%



March 5 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

New Orleans at 300: Why, Where, and How the City Was Founded 1682-1722

Presented by

Richard Campanella

Tulane University • New Orleans, Louisiana



Photo by Paula Burch-Celentano

ABSTRACT

This illustrated lecture, *New Orleans at 300: Why, Where, and How the City Was Founded, 1682-1722*, will explain the establishment of New Orleans three hundred years ago, by contextualizing the events of the spring of 1718 within the larger 40-year era during which France launched the Louisiana colony, and particularly the five-year period (1717-1722) when New Orleans came into being.

**THE MARCH LUNCHEON RESERVATION
DEADLINE IS MARCH 2.
CONTACT THE NOGS OFFICE**

BIOGRAPHY

Prof. Richard Campanella, a geographer with the Tulane School of Architecture, is the author of ten books and over 200 articles on the historical geography of New Orleans. The only two-time winner of the Louisiana Endowment for the Humanities Book of the Year Award, Campanella has also received the Louisiana Literary Award, the Williams Prize, and the Tulane Honors Professor of the Year Award. In 2016, the Government of France named Campanella Knight in the Order of the Academic Palms.

"And Looking Ahead . . ."

The next luncheon will be held on April 2. Our guest speaker will be announced at a later date. Contact the NOGS office at 504-561-8980 or use the PayPal link at www.nogs.org to make your reservation.



CALENDAR OF EVENTS: MARCH - JULY 2018

If you know of upcoming seminars or academic events that may be of interest to our members, please email the event details to Laura Sorey at nogseditor@gmail.com to be included in the monthly calendar.

2018	EVENT	LOCATION	CONTACT / INFO
5 Mar	NOGS Luncheon Presentation "New Orleans at 300: Where, Why, and How the City was Founded: 1682-1722" Speaker: Richard Campanella • Tulane University	Holiday Inn Superdome	annette@nogs.org or 504-561-8980
9 Mar	LSU G&G Lecture Series "Leaf Waxes as Paleoclimate Proxies: The Continuing Evolution of Stable Isotope-based Methods to Reconstruct Past Terrestrial Environments" Brett Tipple - USGS & UCSC	LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm	http://www.lsu.edu/science/geology/seminars/item72050.php
16 Mar	LSU G&G Lecture Series "The Null Hypothesis: Globally Constant Rates of Erosion and Weathering During the Last 10 Million Years" Jane Willenbring - UCSD	LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm	http://www.lsu.edu/science/geology/seminars/item72050.php
17 Mar	St. Patrick's Day		
19 Mar	SIPES Luncheon	Andrea's - Metairie	Carol St. Germain, 504-561-8980
27-28 Mar	12th Annual Louisiana Water Conference	LSU Baton Rouge, LA	https://easychair.org/cfp/lawater_2018
1 Apr	Easter		
2 Apr	NOGS Luncheon Presentation Speaker TBA	Holiday Inn Superdome	annette@nogs.org or 504-561-8980
7 Apr	Super Science Saturday	Louisiana Children's Museum 11:00 - 3:30	Tom Bergeon tom.bergeon@upstreamexp.com
17 Apr	SIPES 3rd Annual Membership Drive Crawfish Boil Crawfish, Corn, Potatoes, Beer & Soft Drinks	The Harbor Bar & Grill Metairie, LA 11:30 - 1:30	www.sipesneworleans.org www.sipes.org
17-19 Apr	2018 History of Oil Symposium - Petroleum History Institute	Salt Lake City, Utah	www.petroleumhistory.org
22 Apr	Earth Day		
20-23 May	AAPG Annual Convention & Exhibition - ACE 101 Theme: "Bridging Fundamentals & Innovation"	Salt Lake City, Nevada	http://ace.aapg.org/2018
10-11 Jul	Louisiana Coastal Geology Symposium	LSU Baton Rouge, LA	http://www.lsu.edu/ces/conferences/lcgs2018/index.php



Continuous innovation, from pore to pipeline.

In 1927, Conrad and Marcel Schlumberger used their new electrical well logging technique to identify formations in the Pechelbronn oil field in the Alsace region of France—a first in the oil and gas industry. Today Schlumberger continues to innovate by introducing pioneering technologies delivered with technical expertise gained from decades of experience. From reservoir characterization and drilling to production and processing, we integrate multidisciplinary products and services to optimize hydrocarbon recovery and maximize production for our customers.

slb.com

Schlumberger

*Mark of Schlumberger. Copyright © 2017 Schlumberger. All rights reserved. 17-05-241970



NOGS/PLANO/SPWLA 2018 Annual Golf Tournament REGISTRATION

Please register early! Tournament is May 18th!

We hope this event will fill up, and we are limited to only 100 players. Remember you are not registered until NOGS has received payment and you are confirmed by Annette.

Make sure you supply your handicap or a score that typifies a set of rounds of golf.

**FOR REGISTRATION, DONATIONS, OR TO VOLUNTEER, CONTACT:
Annette Hudson: 504-561-8980 or info@nogs.org**

Send cash or check (payable to NOGS):
NOGS Office • 810 Union St.
Suite 300 • New Orleans, LA 70112

ANY CREDIT CARDS ACCEPTED
with NOGS PayPal:
<http://nogs.org/payment-center/>
scroll down to NOGS Special Events

Name _____

(_____ Handicap) _____ @ \$150 each

Company _____

Corporate sponsored team _____ @ \$700 each team

Emergency Contact: Phone _____

Email _____

MULLIGANS: \$20.00 per team

Team Member Names:

_____ (_____ Handicap)

_____ (_____ Handicap)

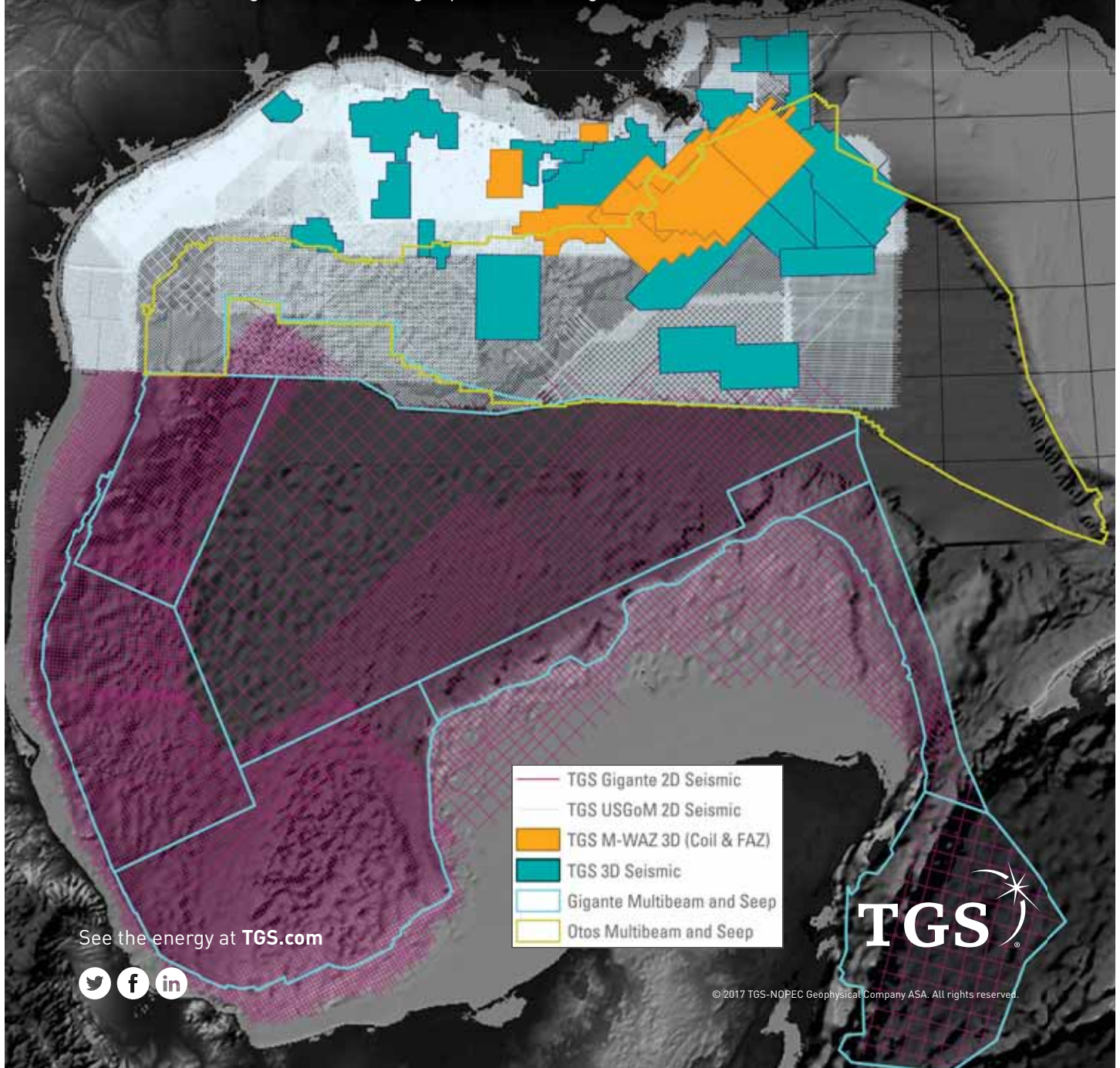
_____ (_____ Handicap)

The tax deductible portion of your tournament participation fees is \$65 under the NOGS Memorial foundation 501(c)3 IRS status.

Set your sights.

Gulf of Mexico

TGS provides industry-leading offshore seismic data using an innovative mix of technologies and unmatched imaging capabilities. Through strategic partnerships, we provide a comprehensive collection of advanced marine acquisition technologies for enhanced reservoir delineation, characterization and monitoring. TGS delivers the E&P industry unlimited potential with our collection of advanced offshore data including **Declaration M-WAZ 3D** survey, **Fusion M-WAZ 3D**, **Otos Multibeam and Seep** and **Gigante 2D Multibeam and Seep** programs. Explore the Gulf of Mexico with the right data, in the right place, at the right time.



SAVE THE DATE
August 27-29, 2018
New Orleans, LA
www.deepwaternola.org

22nd Annual Gulf of Mexico

Deepwater

Technical Symposium

New Orleans Chapter of
Society of Independent Professional Earth Scientists
presents its
3rd Annual Membership Drive Crawfish Boil

Think you can't join?, think again....

You more than likely will fit one of these categories:

1) Full 2) Limited 3) Affiliate

Free to potential members to our SIPES New Orleans Chapter

This will be a lunch time party on a Tuesday in Metairie

Tuesday, April 17th, 2018

11:30am to 1:30pm

**Crawfish, Corn, Potatoes,
Beer & Softdrinks**

*Nice Weather - outside in the patio
Bad Weather - upstairs in party room*

SIPES Members - no cost

Potential SIPES member -free

Call for reservations

SIPES Member guests -

\$25/person



The Harbor Bar and Grill

3024 17th Street
Metairie, LA 70002

*(2 blocks north of Andrea's
Restaurant)*

If you are interested in joining
our Society and attending the
Crawfish Boil please contact:

Eric Broadbridge

eric@northcoastoil.com

504-884-0049

Check us out at: www.sipesneworleans.org
or at: www.sipesorg



Drill with confidence.

Diversified Well Logging, LLC brings the accuracy and expertise only a company with over sixty years in the oil and gas industry can deliver. We are your eyes and ears in the field, especially when it comes to deep water or high pressure, high temperature areas.

DWL offers 24-hour formation evaluation. We provide secure and customized real-time data communication, in-house research and development, and 24/7 on-call support for our equipment and our engineers.

Whether you have a 10-day job or a 110-day job, we provide the specialized attention you require. **Our experience means you can be confident in the safety and performance of your well.**



- *Formation Evaluation*
- *Geosteering*
- *Drilling Optimization*
- *Real-time Data Transmission*
- *Early Kick Detection*



Serving the Oil and Gas Industry for Over 60 Years

South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Carlo C. Christina and Kevin J. Trosclair

The Baker-Hughes United States rig count for the month of December averaged 937 rigs, up 7 rigs from the prior month's average. The Louisiana rig count (not including the OCS) averaged 43 rigs for the month of December.

North Louisiana Rigs:	39
South Louisiana Rigs:	4
Land	3
Inland Waters	1

During the month of January, the Office of Conservation, Lafayette District, issued 16 permits to drill for oil and gas, **including 3 permits to re-enter old wells to test the Austin Chalk.** It is interesting to note that 2 wells were originally drilled as Tuscaloosa Sand gas wells.

With the recent success of the EOG #1 Eagles Ranch well, having produced more than **68,700 barrels of oil** from the **Austin Chalk in 3 months**, it is not surprising to find this new activity.

NEW LOCATIONS

In Saint Landry Parish, **North Bayou Jack Field**, Torrent Oil has received permits to re-enter 2 wells in the field to test the Austin Chalk. The #1 Torrent, AUS RA, (SN 250724), (A), will re-enter the Moncrief #1 Turner in Sec. 33, 2S-6E and drill to 15,603 feet. The well was originally completed as a Tuscaloosa gas well in 1977 and produced until October 2008, having produced more than 24.8 billion cubic feet of gas and 242,000 barrels of oil. It was plugged and abandoned in December 2009 with 5 inch casing set at 17,125 feet.

The #2 Torrent, AUS RA, (SN 250725), (B), will re-enter the Gulf #2 Turner and drill in Sec. 5, 3S-6E, to a depth of 15,797 feet. The well was originally drilled as a Tuscaloosa well and tested several zones but failed to establish production in those sands. It was later sidetracked and tested the Austin Chalk, but was plugged and abandoned in July 1995.

In Rapides Parish, **Cheneyville Field**, (C), W. J. Energy will re-enter the Belco #1 Giant and drill the #1 BBJB Properties, (SN 250723), in Sec. 23-1N-2E. The well was originally drilled as an Austin Chalk well, with a horizontal leg drilled to a total depth

of 18,206 feet, or a total vertical depth of 14,709 feet. It was plugged and abandoned on September 19, 1997.

In Iberia Parish, **Fish Island Field**, (D), Walter Oil and Gas will drill a deep well in the old depleted field to test Planulina-Liebusella sands. The #1 Jeanerette, (SN 250714), will be drilled in Sec. 16, 12S-9E to a total depth of 19,064 feet, to a true vertical depth of 16,750 feet. In 1969, 3 wells were drilled and completed in Planulina sands at depths of 12,400 feet to 12,900 feet.

Key Operating Company will drill its #1 Habetz Heirs, (SN 250757), in **North Crowley Field**, (E), Acadia Parish, to test Frio sands at a depth of 11,500 feet. The well is located in Sec. 10, 9S-1E, approximately 1 mile south of shallow production.

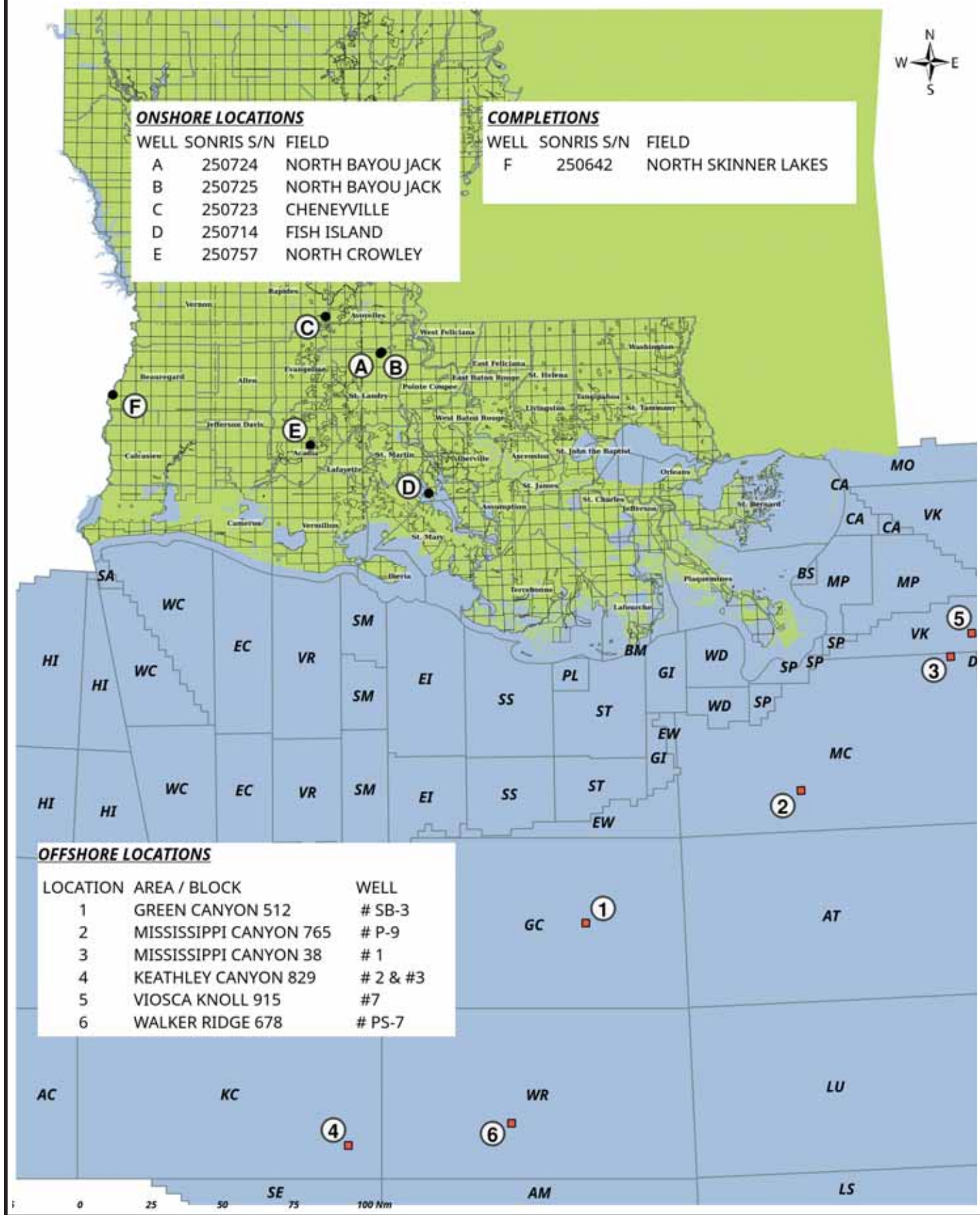
COMPLETIONS

Firststrike Energy has plugged and abandoned the #1 Colombia Land, (SN 250642), in **North Skinner Lakes Field**, (F), Beauregard Parish. The well was drilled to a total depth of 8,000 feet in Sec. 33, 5S-13W.



Onshore & Offshore Activity Map for South Louisiana

MARCH 2018



OFFSHORE GULF OF MEXICO

SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **January 2018**, the **BOEM** approved **83** Gulf of Mexico drilling permits. **Twelve** of these were for shelf wells, and **71** were for deepwater wells. Of the total number of permits, there were **7 new well permits, all in deepwater**. This is the second consecutive month that no new well permits have been approved on the shelf

The 7 deepwater new well permits were for **2 development wells** and **5 exploration wells**. The two development well permits were given to **Hess Corporation** for their **Green Canyon 512 #SB-3** well and to **Shell Offshore** for their **Mississippi Canyon 765 #P-9** well. The five exploration well permits were awarded to **LLOG Exploration Offshore** for their **Keathley Canyon 829 #2** and **#3** wells, to **Anadarko Petroleum** for their **Mississippi Canyon 38 #1** well and their **Viosca Knoll 915 #7** well and to **Union Oil Company of California (Chevron)** for their **Walker Ridge 678 #PS-7** well.

On January 26th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **93**, which is **1 less** than last month. The marketed rig supply consisted of **54** rigs, of which **34** were under contract. The marketed rig supply number and the contracted rig supply number were also **1 less** than the previous month. The marketed contracted versus total rig supply utilization rate stands at **36.6%**, and the marketed contracted versus marketed supply utilization rate stands at **63.0%**. By comparison, the January 2017 total fleet utilization rate stood at 47.1% (**versus 58.1% today**) with 49 out of the 104 rigs under contract.

As of January 26th, **BakerHughes** indicated that there were **17** active mobile offshore rigs in the Gulf of Mexico, which is **50%** of the rigs under contract mentioned above. This active rigs number is 1 less than

reported last month. Of the 17 rigs, **3** are located on the **shelf**, and **14** are situated in **deepwater**. At the same time last year, there were 20 mobile offshore rigs operating in the Gulf of Mexico.

As of January 26th, the **BakerHughes** total U.S. rig count stood at **947** rigs, which are **18 additional** rigs than at the end of December 2017. Of the 947 rigs, **759 (80.1%)** are **oil rigs** and **188 (19.9%)** are **gas rigs**. A year ago, there were 712 rigs working in the U.S. Thus, the current rig figure represents a **33% increase** in rigs year over year. **Texas** still has the largest number of rigs with **466**, which is slightly less than half (49.2%) of the total number of rigs in the U. S. **Louisiana** has a total of **59** rigs.

Two major deepwater oil discoveries were announced on January 31st. The first announcement was by **Chevron** and **Total**. The discovery occurred at their **Ballymore Prospect**, which is situated in **6,450 feet of water** approximately **75 miles off the Louisiana coast**. The discovery encompasses four blocks in the **Norphlet** play, including **Mississippi Canyon Block 607**, where the discovery was made. The Ballymore well reached a **total depth of 29,194 feet** and found more than **670 feet of net oil pay** with excellent reservoir and fluid characteristics. The commercial discovery is currently being assessed with a sidetrack well. **Chevron** and **Total** have respective **60%** and **40%** working interests in the Ballymore Prospect. The discovery is located approximately three miles from Chevron's Blind Faith platform.

Shell reported the second major discovery at their **Whale Prospect** in the **Lower Tertiary** trend. The discovery is co-owned by **Shell (60%)** and **Chevron (40%)** and is located on **Alaminos Canyon Block 772**. The new discovery is adjacent to Shell's Silvertip Field and is approximately 10 miles from their Perdido SPAR Platform. Shell indicated that the well encountered more than **1,400 feet of oil bearing pay**. Appraisal drilling is currently underway to further delineate the discovery and define development options.

NOGS Publication Sale

All of the major NOGS publications have been scanned into digital form and are available through AAPG Datapages or the Texas Bureau of Economic Geology.

The remaining hard copy publications will be offered for sale for \$5 each at the next few luncheons or by appointment in the NOGS office.

Sales are cash only – remember to bring cash to the March luncheon to make a purchase.

LSU

Center for Energy Studies

Louisiana Coastal Geology Symposium 2018 July 10-11, 2018

Dalton J. Woods Auditorium • LSU Energy, Coast & Environment Building • Baton Rouge

Presented by: Louisiana Geological Survey and New Orleans Geological Society

Preliminary Call for Abstracts

This symposium will bring together scientists, engineers and policy makers from across a range of disciplines to exchange ideas, interpretations and insights on Louisiana coastal geology – both onshore and offshore – and on associated topics. It will be held in the Dalton J. Woods Auditorium of the Energy, Coast and Environment Building at Louisiana State University. John E. Johnston III of the Louisiana Geological Survey will serve as symposium chair.

You are hereby invited to submit an abstract for consideration as an oral or poster session at the symposium.

Deadline for abstracts: May 30, 2018

Topics for submission related to the Louisiana coast (specifically including the offshore) and its geology include:

Coastal geology • Coastal geohazards • Coastal ecology • Coastal environments • Coastal erosion
Coastal landforms and geomorphology • Coastal oil and gas regulation • Coastal sedimentology • Coastal subsidence
Geological components of coastal sustainability planning • Geological oceanography • New technologies or methodologies
Geological processes affecting the onshore and offshore landscapes
Geology, geomorphology, and geohazards of Louisiana barrier islands • Oil spill studies
Onshore and offshore geological, geophysical, geochemical, sedimentological and paleontological investigations
Onshore and offshore oil and gas exploration and production • Onshore and offshore pipelines • Paleoclimate studies
Planning impacts of coastal geologic features • Salt dissolution • Salt water intrusion • Sea level rise • Tsunamis, waves and tides

Abstracts must be submitted here: <https://easychair.org/conferences/?conf=lcs2018>

Registration Information

- Advance registration must be postmarked by June 30, 2018.
- Checks should be made out to “New Orleans Geological Society” with “LCGS 2018” in the “For” blank
- Regular registration is \$40 until June 30, 2018, and \$80 thereafter.
- Student registration is \$5 until June 30, 2018, and \$10 thereafter.
- Speakers and posters presenters receive free registration.
- Click **HERE** for the advance registration form.

Additionally the Louisiana Geological Survey and the New Orleans Geological Society have joined forces in 2018 to lead the development of a Louisiana Coastal Geohazards Atlas. Several presentations will be made regarding the atlas and its progress.

For further information, please contact John E. Johnston III at hammer@lsu.edu.

Happy St. Patrick's Day!

From the staff of the *NOGS LOG*



610 E. Rutland St.
Covington, LA 70433
985.898.3577

Jack M. Thorson
Eric C. Broadbridge
J. Daryl Gambrell

ROCK SOLID SERVICE

© 2013 Core Laboratories.
All rights reserved.



Core Lab
RESERVOIR OPTIMIZATION
www.corelab.com
337-837-8616



Anthony Catalanotto
Manager

**Geological
Geophysical
Land**
Drafting & Graphics

516 Maryland Avenue
Metairie, LA 70003
(504) 481-7291
E-Mail: geodraft@bellsouth.net
Website: www.geodraftinc.com



Domestic &
International



BIOSTRATIGRAPHY

**ANYTIME,
ANYWHERE,
ANY FOSSIL**

Complete paleo services

Largest single-source database

Custom projects & mapping

Multiple fossil disciplines



504-488-3711
PALEODATA.COM



Covington Office

1001 Ochsner Blvd., Suite 200
Covington, Louisiana 70433
p: 985.801.4300
f: 985.801.4796

Houston Office

CityCentre Three
842 W Sam Houston Pkwy N
Suite 600
Houston, Texas 77024
p: 281.752.1100
f: 281.752.1199

Scott Office

814 S. Frontage Rd.
Scott, LA 70583
p: 337.408.4000
f: 337.408.4049

www.llog.com

THE NEW ORLEANS GEOLOGICAL SOCIETY MEMORIAL FOUNDATION, INC.

The Memorial Foundation is an IRS Tax Exempt Code #501(c)(3) organization. The Federal I.D. is 72-1220999. Please consider making a donation to the Foundation. Your individual support in any amount will help meet the IRS Guidelines for our Foundation. Thanks!

\$10,000

Gibbet Hill Foundation

*In Memory of Steve & Marion Millendorf, William J. Prutzman,
Roger G. Vincent, Ron Youngblood, Uno Numella and Dr. Robert T. Sellars, Jr.*

\$8,400

NOGS/PLANO Golf Tournament

\$1,000

Chevron Your Cause

Volunteer Hours William D. Haworth and Allen J. Melillo

Mr. Armour C. Winslow

In Memory of Rita Menzel Winslow and Lawrence C. Menconi

\$500

Mr. Thomas C. Bergeon

Mr. Edward Falis, Sampling Associates International, LLC

In Memory of Willis E. Conatser and Mr. Arthur H. Johnson

\$250 TO \$499

Mr. Carlo C. Christina

In Memory of Al Gilreath

Mr. Jeff Jandegian

In Memory of Dr. Raymond W. "Ray" Stephens, Jr., Ron Youngblood and D. William W. Craig

Mr. Edward B. Picou, Jr.

*In Memory of Arthur H. Johnson, Willis E. Conatser,
Bernard L. Hill, Jr., and Russell H. Nordwell*

UP TO \$249

Mr. Woods W. Allen, Jr.

In Memory of William C. Ward

Mr. Maurice Birdwell

In Memory of Al Gilreath

Mr. Hilary James Brook

Mr. Rob Burnett

Chevron Humankind Matching Funds

Mr. Carlo C. Christina

In Memory of Willis E. Conatser

Carlo and Beverly Christina

In Memory of Arthur H. Johnson

Trudy and Charles Corona

*In Memory of Arthur H. Johnson,
Peter G. Gray, Willis E. Conatser,
James "Jim" A. Hartman, PhD
and all deceased former past
presidents of NOGS*

Mr. Merle J. Duplantis

Mr. Kenneth Huffman

Mr. Alex G. Janevski

In Memory of Arthur H. Johnson

Mr. Tom Klekamp

In Memory of Arthur H. Johnson

Ms. Jeannie F. Mallick

Ms. Margaret M. McKenney

Mr. Chris McLindon

Mr. Richard Olsen

Mrs. Teresa O'Neill

In Memory of Brian J. O'Neill

Mr. William S. Peirce

Mr. Jack N. Peterson M.D. and Mr. Tom R. Young

In Memory of Arthur H. Johnson

Cecil and Tanya Pickens

In Memory of Willis E. Conatser

Mr. Edward B. Picou, Jr.

In Memory of James "Jim" A. Hartman, PhD

Ms. Nancy Shepard

*In Memory of Clark Kinler
In Memory of Alfred P. Daigle*

Shell Matching Funds

Dr. J. O. Snowden

Ms. Candace V. Strahan

*In Memory of Raymond W. "Ray" Stephens, Jr.,
and James R. Strahan for The Bill Craig Fund*

Mr. David M. Tatum

Mr. William M. Whiting

In Memory of Arthur H. Johnson

Mr. and Mrs. James W. Yeldell

In Memory of Willis E. Conatser

Mr. Jim Zotkiewicz

FONO FUND

The FONO Fund accepts contributions that are invested and the income dedicated to assure sufficient financial resources will always be available to maintain the NOGS business office. Contributors are reminded that donations to the FONO Fund are not covered by the IRS 501(c)(3) tax exempt classification and should be reported as a business expense on your IRS tax report.

UP TO \$249

Mr. Joseph E. Boudreaux

Mr. Merle J. Duplantis

Mr. Dwight Easterly

Mr. Kenneth Huffman

Mr. Tom Klekamp

Mr. James R. Landrem

Ms. Jeannie F. Mallick

Mr. William S. Peirce

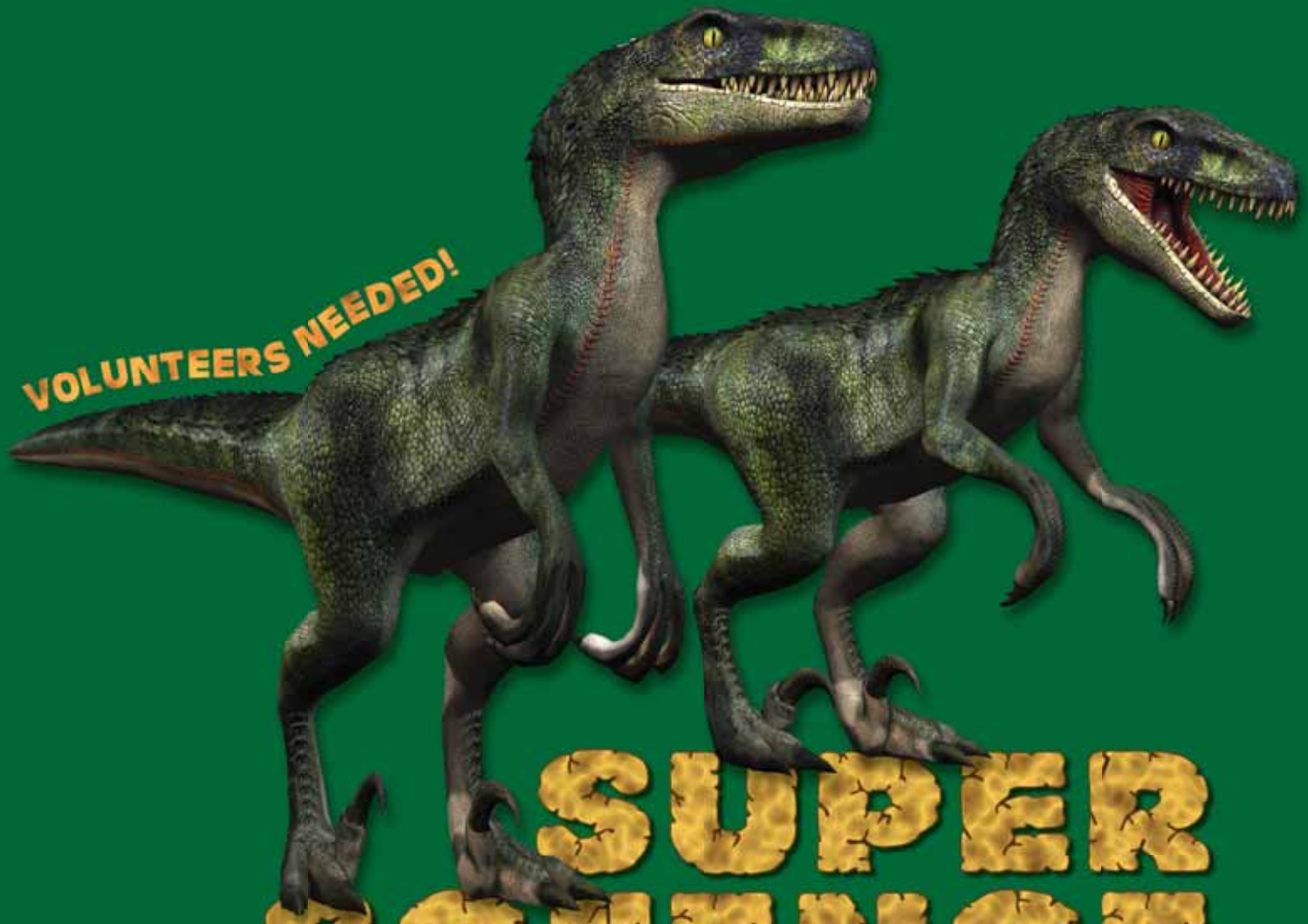
Mr. Bay Salmeron

Mr. David M. Tatum

<p>ANSYTHE Donald I. Andrews 504-887-3432</p> 	<p>James S. Classen CLASSEN & CO. LLC 6417 Plantation Lane • Boise, ID 83703</p>
<p>THE BOEBEL COMPANY Oil and Gas Investments New Orleans, LA 70153 (504) 866-4313</p>	<p>D-O-R ENGINEERING, INC. 3-D and Geoscience Services 6161 Perkins Rd. Bus: (225) 765-1914 P.O. Box 80812 Baton Rouge, LA 70898</p>
<p>BOO-KER OIL & GAS CORP. Gray S. Parker 826 Union, Suite 300 Bus. (504) 581-2430 New Orleans, LA 70112 Fax (504) 566-4785</p>	<p>EDWARD B. PICOU, JR. Consulting Micropaleontologist - Retired 228 St. Charles Ave., Suite 1330 C Bus. (504) 529-5155 New Orleans, LA 70130 Res. (504) 282-3096</p>
<p>C & R EXPLORATION, INC. Carlo C. Christina Lawrence G. Ringham</p>	<p> GEOLOGY ENVIRONMENTAL MANAGEMENT GEM Consulting, LTD Emmitt Lockard Michael Louis Merritt emlockard@yahoo.com admin@gemconsultingltd.com</p>
<div data-bbox="175 678 727 871">  </div> <div data-bbox="152 884 756 1024"> <p><i>Thanks Our Sponsors for Their Support!</i></p> </div> <div data-bbox="324 1039 570 1108"> <p>\$2,500</p> </div> <div data-bbox="105 1144 800 1192"> <p> Diversified Well Logging</p> </div>	<div data-bbox="820 678 1516 804">  <p>THOMAS L. DAVIS GEOLOGIST, Ventura, CA, 93001 tel: 818-429-4278, www.thomasldavisgeologist.com tldavisgeo@gmail.com, +35 yrs exploration & development experience in the western US, overseas and offshore. Prospects, data and field assessments available. Lots of free petroleum geology info at web site.</p> </div> <div data-bbox="958 816 1373 852"> <p>ZOT OIL & GAS, LLC</p> </div> <div data-bbox="925 869 1408 900"> <p>Jim Zotkiewicz - Petroleum Geologist</p> </div> <div data-bbox="816 915 1513 945"> <p>Business Phone: 504.267.9138 Email: jimzot38@zotoil.com</p> </div>
	<div data-bbox="901 1138 1425 1404"> <p>SEI®</p> </div> <div data-bbox="925 1417 1419 1463"> <p>Seismic Exchange Inc.</p> </div> <div data-bbox="966 1480 1395 1537"> <p>Strategic Speculative Surveys Geophysical Data Marketing & Management</p> </div> <div data-bbox="1088 1566 1271 1707"> <p>YouR Full Service National Seismic Data Marketing Firm</p> </div> <div data-bbox="896 1757 1440 1787"> <p>DALLAS DENVER NEW ORLEANS TULSA</p> </div> <div data-bbox="984 1829 1391 1894"> <p>201 St. Charles Ave Suite 4300, New Orleans, La 70170</p> </div> <div data-bbox="997 1917 1343 1950"> <p>www.seismicexchange.com</p> </div>
<p>SIPES Society of Independent Professional Earth Scientists New Orleans Chapter  For membership info. Contact: Eric Broadbridge - eric@northcoastoil.com 504-884-0049 www.sipesneworleans.org</p>	
<div data-bbox="121 1549 292 1766">  </div> <div data-bbox="315 1596 786 1753"> <p>LaBay Exploration Co., L.L.C.</p> </div> <div data-bbox="227 1797 680 1976"> <p>1080 West Causeway Approach Mandeville, Louisiana 70471 (985) 951-2011 www.labayexploration.com</p> </div>	

APRIL.7.2018

11:00 am - 3:00 pm



SUPER SCIENCE SATURDAY

DINOSAURS, EARTHQUAKES & OIL



BROUGHT TO YOU BY:

**The Louisiana Children's Museum
The New Orleans Geological Society
The Southeastern Geophysical Society**

To volunteer, contact Tom Bergeon at tom.bergeon@upstreamexp.com



NEW ORLEANS GEOLOGICAL SOCIETY

810 Union Street, Suite 300
New Orleans, LA 70112-1430

www.nogs.org



creative graphics
& printing, llc

*Proudly designing and printing the NOGS LOG since 2012!
Specializing in design and printing for the oil and gas industry and their affiliates.*

ID Tags • Numbered Raffle Tickets • Banners • Signs • Posters

Letterhead • Envelopes • Business Cards • Postcards • Newsletters • Custom Forms

Logo Design • Push Cards • Table Tent Cards • Custom Invitations • Magnetic Signs & Business Cards

T-Shirts • Cups • Coozies • Pens • Hats & Caps • Coasters • USB Drives

Full Service, Custom Graphic Design & Printing!

985.626.5223 • 985.630.7824 • kpbrown@bellsouth.net
or contact annette@nogs.org