

NOGS LOG

JANUARY 2019

Volume 59, Number 7



JANUARY 7 - NOGS LUNCHEON PRESENTATION
"Building Partnerships (Including NOGS) in the Coastal Zone"
Guest Speaker: Susan Testroet-Bergeron
Barataria-Terrebonne National Estuary • New Orleans, Louisiana

APRIL.6.2019

11:00 am - 3:00 pm



SUPER SCIENCE SATURDAY

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The Southeastern Geophysical Society

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Published monthly by the New Orleans Geological Society. This issue was sent to press on Dec. 30, 2018.

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Please submit items by the 1st Friday of the month to nogseditor@gmail.com. Advertising requests should contact NOGS at admin@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.....	8
Calendar of Events: January 2019	10
Drill Bits	14
NOGS Memorial Foundation & FONO Fund.....	21

Special Features:

Super Science Saturday	2
Picture From Our Past	5
NOGS December Luncheon	10
NOGS Lower Mississippi River Model Tour.....	12
NOGS Annual Christmas Holiday Party	16
13th Annual LA Water Conference.....	17
In Memorium: Robert "Bob" B. Branson	18
GCAGS 2019 Convention	18
2018 Ad Rates	19
Like Us on Facebook!	20
2018 STEM Quest	23

on the cover

Cover photo courtesy of the U.S. Forest Service

Multnomah Falls — Oregon

Multnomah Falls is the tallest waterfall in the state of Oregon. The falls drops in two major steps, split into an upper falls of 542 feet (165 m) and a lower falls of 69 feet (21 m), with a gradual 9 foot (3 m) drop in elevation between the two. The two drops are due to a zone of more easily eroded basalt at the base of the upper falls. The total height of the waterfall is conventionally given as 620 feet (189 m).

The waterfall formed around 15,000 years ago at the end of a hanging valley and was created by the Missoula Floods. The site was recently impacted by Eagle Creek Fire, which began September 2, 2017 and led to evacuations of Multnomah Falls the night of September 4. Thanks to the efforts of firefighters, the lodge was saved from the fire, but the surrounding site was badly burned and impacted by changes that the fire made on the local landscape.

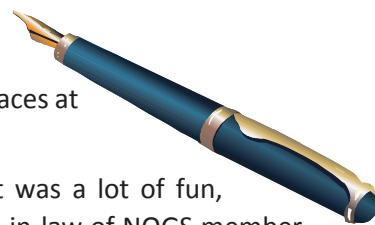
Info from Wikipedia and U.S. Forest Service

From the Editor

It's a new year and the world is still crazy. The price of oil is LOW and there are smiling faces at the gas station but maybe not elsewhere. Let's hope the price of oil goes up.

The night of the Christmas party was stormy and there was low attendance, but it was a lot of fun, complete with a stunning bagpipes performance by Sandro Murru. Mr. Murru is the son-in-law of NOGS member and photographer, Art Christensen. Pictures of the event are on page 16. The venue, Filmore in the Oaks, is very nice and this will probably be the location of the Golf Tournament festivity after the tournament on May 3rd.

Lots of people make New Year's resolutions. They are sometimes hard to keep. I didn't make one because some time ago I made a resolution to not make New Year's resolutions, so I'm sticking to it.



Fran
Fran Wiselady,
NOGS LOG Editor



FROM THE PRESIDENT **ALEX JANEVSKI**

When the new year comes it often causes reflection in us, whether in the form of resolutions for how we would like to spend the coming year, or reflection on how we spent the last. But have you ever reflected on why we celebrate the new year when we do? Why and when did we come to regard January 1st and this moment in the earth's orbit around the sun, as the day we would start our calendar over again? Although not all cultures celebrate the New Year at the same time (the Chinese New Year and the closely related Vietnamese New Year being a notable exception for some New Orleanians), the widespread adoption of the modern Gregorian calendar has resulted in New Year's Day becoming the most widely celebrated holiday in the world.

It turns out that historians do not agree on precisely when January 1st became the new year. The early Roman calendar started the year on March 1st, and the year began around the time of the spring equinox. Two additional months, January and February, were added to the end of the calendar, and at some point these months came to be regarded as the start of the year. In A.D. 567 the Roman Catholic Church abolished January 1st as the start of the year. In the meantime, various traditions were adopted, with some celebrating the start of the new year variously on Christmas Day, Easter, and just about every major Christian celebration between those two. As the Romans tinkered with their calendar through the centuries, local cultures adopted their own practices, sometimes in conflict with the official calendar. The history is, quite literally, Byzantine.

It was not until the adoption of the Gregorian Calendar in 1582 that January 1 became the official New Year, at least in Roman Catholicism. It was a few centuries after that Protestant nations followed suit - that includes the British Empire, and its American colonies, which celebrated the new year on March 25th until the 1750s. This does not seem that long ago, especially for a tradition that is now celebrated globally. So, while we are on the subject of the Byzantine, allow me to share with you the biggest issue facing NOGS that I and the Board of Directors are working to resolve in the new year, and how it relates to that most complicated of subjects: the U.S. tax code.

NOGS is a 501(c) organization, or in common parlance, a non-profit. Our particular designation in the IRS code in

section 501(c)6. This designation is reserved for "business leagues, chambers of commerce, real estate boards, boards of trade and professional football leagues." Yes, as a trade association, we have the same status as the National Football League. As a 501(c), no individual may profit directly from NOGS activities, hence "non-profit," and in exchange our organization is federally tax-exempt. As a 501(c)6 we are free to promote commercial enterprises in our trade, as we do in various ways for the oil and gas industry. We are not free to engage in political or lobbying activities, which would violate our tax-exempt status, and individual donations to a 501(c)6 are not tax-exempt. Please do not ask me to explain how team owners are able to profit under a 501(c)6; I likely need a different degree to understand that.

However, NOGS does not end at the 501(c)6. In 1992, NOGS established the NOGS Memorial Foundation, a 501(c)3 organization. When you think of a non-profit, this is the type of organization you are probably most familiar with, a charity, organizations which must be devoted to religious, scientific, educational, and other charitable purposes. The Foundation, among other activities, provides scholarship support for Greater New Orleans geology students. And probably the biggest reason that you are familiar with organizations that fall under IRS code 501(c)3 is because donations to these organizations from individuals are tax-exempt. Because they are tax-exempt for individuals, they attract donations more readily. What that means is that the Foundation is more easily able to raise funds than NOGS itself. The vast majority of fundraising events you hear about, GiveNOLA Day, for example, are restricted to 501(c)3 organizations. NOGS itself cannot participate.

But it is NOGS, the 501(c)6, which is presently in dire straits when it comes to funding. For information purposes here I present the anticipated end of fiscal year revenue and expense for NOGS:

Fiscal Year	Expenses	Income	Net Loss
2018-2019	\$84,710	\$51,506	-33,204

Being in the red for the long-term is never sustainable. But being this far in the red is not sustainable in the short-term either. The primary cause of this is the loss of income, in the form of 90% of our advertising in the *NOGS LOG*.

I try not to present a problem without a solution in mind, and the Board of Directors has every option on the table to solve this problem. We have already taken dramatic steps to cut costs by reducing print distribution of the *NOGS LOG* and closing our downtown office. I have also discussed a number of possibilities in past columns. Our major remaining expense remains the *LOG*, followed by the salary for our single part-time employee. The NOGS Board and many members already give very generously of their time, and it is hard to imagine maintaining our level of activity if

we were to no longer employ an administrator. That leaves the *LOG*, and moving entirely to a digital newsletter, as the easiest cut remaining. We may have no other option.

On the income side, there are two major things you can do to help. I recently sent an end-of-year fundraising appeal to our membership. By donating to NOGS and designating your check for the FONO Fund, you help keep the lights on at NOGS. Alternatively to donating directly, you can run an advertisement in the *NOGS LOG*, and promote your business, services, or employment opportunity. As space is currently readily available, an advertisement in the *LOG* is financially equivalent to a donation. Keep in mind that donations to NOGS are not tax-deductible, although advertisements for your business may be. Of course, we also welcome donations to the Foundation, and these donations are fully tax-deductible for individuals.

Speaking of which, one change I would like to see us make in the future is to have a larger share of funds provided by the Foundation to support NOGS. At present, the Foundation contributes \$1200 annually to NOGS for operational support, which is written into the Foundation bylaws. It is commonplace for organizations like NOGS to have a cost-sharing arrangement like this with their

partnered 501(c)3. This does not threaten our tax-exempt status, as long as the costs charged to the 501(c)3 are at fair value or less. The current \$1200 figure is about 1.5% of NOGS expenses and is not tied to inflation. This amount does not come close to representing the true cost of managing all of the charitable activities that NOGS does and that most non-profits like ours would place under the guidance of the Foundation. I believe it is imperative that we arrive at a funding arrangement that makes both organizations stronger. One way to do this is to charge a fixed percentage for operational support to the Foundation. This is the arrangement of many non-profits, as the fact that only donations to a 501(c)3 are tax deductible drives donors to favor these organizations.

While it is good that our tax code encourages support of charities, it makes finding funding for a trade organization like ours particularly difficult. We are a product of a system that is complex, and challenges us to find ways to survive when our traditional funding sources are gone. I and the Board resolve to continue to seek ways to keep NOGS strong in 2019, no matter how complex a year might be, and I hope we can also get your support.

G. Alex Janevski



Picture From Our Past...

June 13, 1971

MAKING PREPARATIONS for the New Orleans convention of the Gulf Coast Association of Geological Societies and the Society of Exploration Paleontologists and Mineralogists in October, these committeemen have arranged for a Mississippi River tour and dance aboard the S.S. President.

Pictured here are (from left to right) Lee Meltzer consultant, president of the GCAGS; Willis W. Tyrrell, Amoco Production Co., editor; Dr. Raymond W. Stephens, Louisiana State University in New Orleans, program chairman; Robert M. Jemison, Freeport Oil Co., convention vice-chairman, and Robert G. Williamson, Frankel Oil Co., general chairman.

Photo by The Times-Picayune
Submitted by Jeff Spencer, GCAGS Historian & NOGS member



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Member-at-Large	Trudy Corona	504-737-6101			



January 7 • NOGS Luncheon

Holiday Inn Downtown Superdome

\$3.00 validated parking in hotel garage

Presentation:

**Building Partnerships (Including NOGS)
in the Coastal Zone**

Guest Speaker:

Susan Testroet-Bergeron

Barataria-Terrebonne National Estuary • New Orleans, Louisiana

See page 8 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

January 15

SPE-Delta "A Society and Its Money" Community Initiatives

Louisiana Children's Museum • Julia Street, New Orleans

11:00 am to 1:00 pm

**VOLUNTEERS
NEEDED!**

**April 6
Super Science Saturday**

Louisiana Children's Museum • New Orleans, Louisiana

For more information: tom.bergeon@upstreamexp.com

**VOLUNTEERS
NEEDED!**

February 4th

NOGS Luncheon Presentation

Speaker: Linzy Foster - USGS Hydrologist

Holiday Inn Superdome • New Orleans, Louisiana

May 3

NOGS-PLANO-SPWLA Golf Tournament

Bayou Oaks at City Park • New Orleans, Louisiana

See future issues for more details or www.nogs.org

NOGS CONTACT LIST

Continued from previous page

MEMORIAL FOUNDATION

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2018-2019	Secretary	G. Alex Janevski
2018-2019	Trustee	Kelli Hardesty
2018-2019	Trustee	William M. Whiting
2019-2020	Trustee	David Reiter
2019-2020	Trustee	TBD
2020-2021	Trustee	TBD
2020-2021	Trustee	TBD

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Term Ends

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2018	William M. Whiting
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2020(a)	G. Alex Janevski

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January 7 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

Building Partnerships (Including NOGS)
in the Coastal Zone

Presented by

Susan Testroet-Bergeron

Barataria Terrebonne National Estuary • New Orleans, Louisiana

Please note:

Due to the unexpected shutdown of the federal government, our scheduled speaker, Lauri Burke, will not be able to travel to New Orleans. Our vice president has thankfully scheduled a new speaker, Susan Testroet-Bergeron. She is the director of the Barataria-Terrebonne National Estuary and has graciously agreed to fill in. She will be speaking on the topic of building partnerships (including with NOGS) in the coastal zone.

At this moment we do not have an abstract, bibliography, or picture. This information will be accessible on our website as soon as it is available. The *NOGS LOG* will also be updated with the current information when available on the website.

THE JANUARY LUNCHEON RESERVATION DEADLINE IS JANUARY 4.

"And Looking Ahead . . ."

The next luncheon will be held on February 4th. Our guest speaker will be Linzy Foster, USGS Hydrologist. Reservations online at www.nogs.org or by email at admin@nogs.org or call 504-348-3500.



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CALENDAR OF EVENTS: JANUARY 2019 - MAY 2019

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

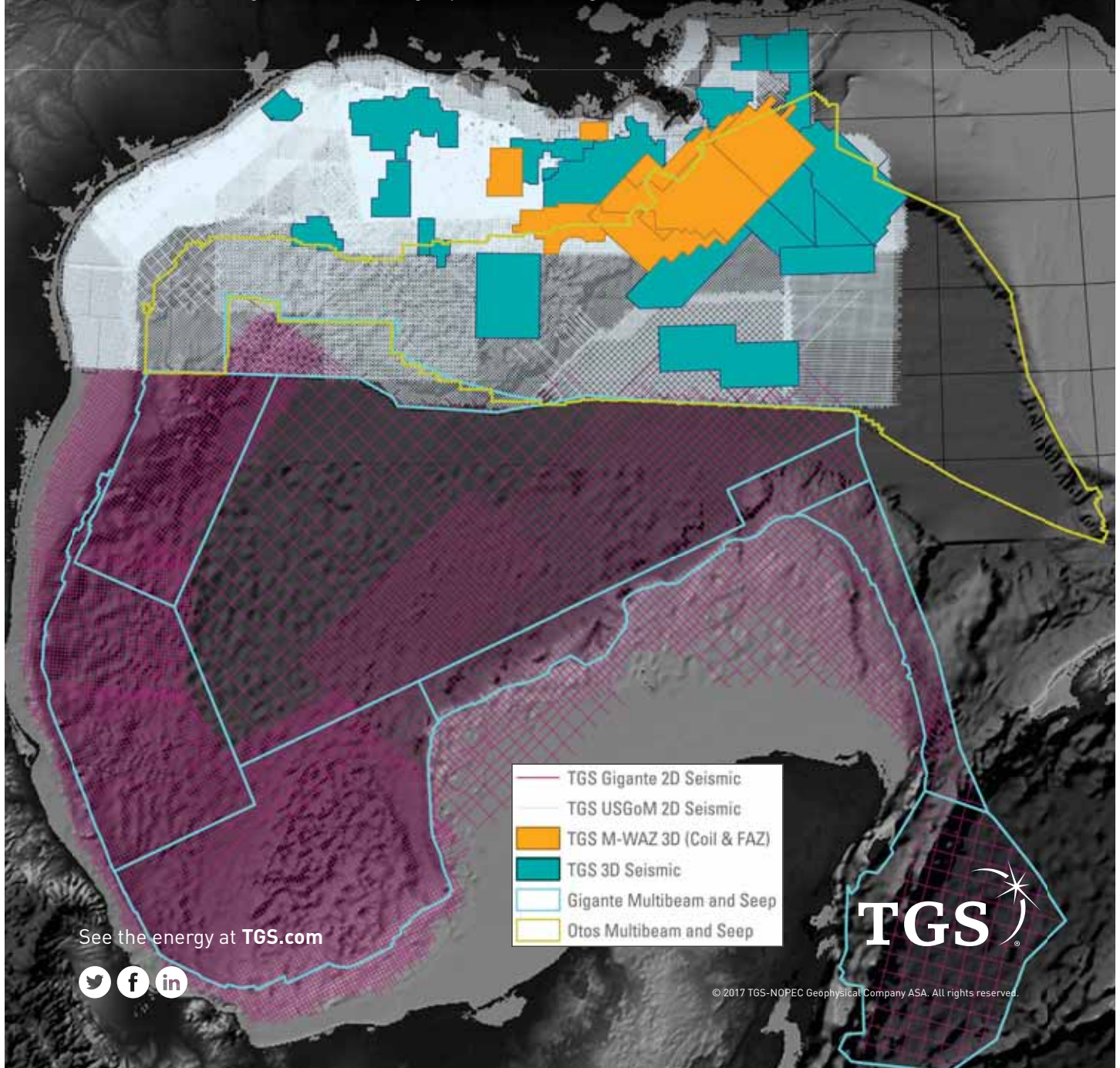
2019	EVENT	LOCATION	CONTACT / INFO
7 Jan	NOGS Luncheon Presentation Building Partnerships (Including NOGS) in the Coastal Zone Speaker: Susan Testroet-Bergeron	Holiday Inn Superdome	Reservations: www.nogs.org Email: admin@nogs.org Call: 504-348-3500
15 Jan	SPE-Delta "A Society and Its Money" Community Initiatives Louisiana Children's Museum • Julia Street • New Orleans 11:00 am - 1:00 pm	LA Children's Museum 420 Julia Street New Orleans, LA	Michael Waguespack Michael.Waguespack@wsnelson.com
4 Feb	NOGS Luncheon Presentation Coastal Lowlands Aquifer System Regional Subsidence Study Speaker: Linzy Foster, USGS Hydrologist	Holiday Inn Superdome	Reservations: www.nogs.org Email: admin@nogs.org Call: 504-348-3500
7 Feb	NOGA "Day at the Races"	New Orleans Fairgrounds	Contact Sue Baker
4 Mar	CALL FOR PAPERS OR POSTERS - GCAGS Convention Oral or Poster Abstract by March 4th		See page 18 this issue
6 Apr	Super Science Saturday	LA Children's Museum 11:00 - 3:30	Tom Bergeon tom.bergeon@upstreamexp.com
15-16 Apr	13th Annual Louisiana Water Conference See page 17 for more information	Dalton Woods Auditorium LSU • Baton Rouge, LA	https://easychair.org/conferences/?conf=lawater2019
15 Apr	CALL FOR PAPERS Petroleum History Institute		Dr. William Brice wbrice@pitt.edu Marilyn Black 814-677-3152 mblack@oilregion.org
3 May	NOGS - PLANO - SPWLA Golf Tournament	Bayou Oaks at City Park New Orleans, LA	Reservations: www.nogs.org Email: admin@nogs.org Call: 504-348-3500

NOGS/SGS DECEMBER LUNCHEON MEETING Speaker: Dr. Michael R. Hudec



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New Orleans Geological Society Tours Lower Mississippi River Model



On December 1st, members of NOGS, along with several geoscience students, had the privilege to be given a tour of the Lower Mississippi River Physical Model (<http://coastal.la.gov/center-for-river-studies/>). Hosting the tour were Dr. Clint Willson, Ph.D., PE, Director of the River Model, Mike N. Dooley, P.E. Professor at Louisiana State University Department of Civil and Environmental Engineering, and Mr. Joseph McClatchy, Coastal Protection and Restoration Authority (CPRA), Coastal Resources Program Specialist at the LSU Center for River Studies.

The River Model is enclosed in a 45,000-square-foot facility at The Water Campus, a 35-acre water research and engineering complex located along the Mississippi River near downtown Baton Rouge. The Lower Mississippi River Physical Model measures 90 feet by 120 feet and is a scale representation of approximately 190 river miles from Donaldsonville, Louisiana, to the Gulf of Mexico via Southwest Pass. The model depicts some 14,000 square miles of Southeast Louisiana at a horizontal scale of 1 to 6,000 and a vertical scale of

1 to 400. More than 4.5 billion latitude and longitude coordinates were used to define the model.

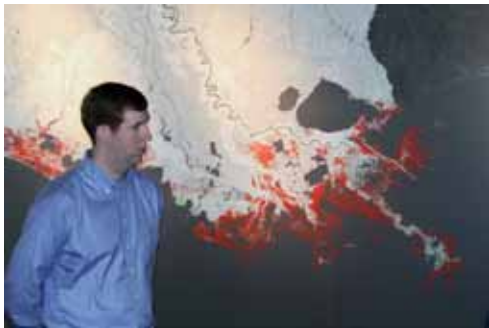
The model is constructed of more than 200 high-density foam panels measuring 5 feet by 10 feet by 1 foot and weighing 700 pounds each. Specially designed and manufactured plastic particles simulate transport of sediment grains within the Mississippi River. The model features 18 acoustic sensors that monitor water levels. According to LSU, those 18 acoustic sensors match the locations of similar stations along the actual Mississippi River.

River hydraulics are simulated by water circulated through the model, which can be adjusted to mirror seasonal and controlled floods. Approximately one hour on a model-run equals about



a year's worth of time on the river. Accompanying the physical model are 20 digital projectors which are able to project the coastal landscape, and current and proposed restoration and flood-control structures onto the model of the river platform. This allows the state to model the hydrologic effects of coastal protection and restoration efforts, such as the proposed Mid-Barataria and Mid-Breton Sediment Diversions, on the Lower Mississippi River vessel navigation. The CPRA and the other state agencies are working with Corps of Engineers and federal officials to fast-track those diversions through the permitting process in order to bring them online as soon as possible.

Serving as training-ground for LSU students, the model is used to assist the State of Louisiana in the estimated \$50 billion coastal restoration and protection efforts. The CPRA (<http://coastal.la.gov/>) headquarters, housing more than 150 researchers, planners and engineers, and the Water Institute of the Gulf (<https://thewaterinstitute.org/>) are also occupants of The Water Campus.



South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Carlo C. Christina and Kevin J. Trosclair

During the month of November, the Louisiana Department of Conservation issued only 8 permits to drill for oil and gas in South Louisiana. Of these 8 permits, the most interesting wells are reported below:

NEW LOCATIONS

In Beauregard Parish, Key Operating Company will drill the #1 Miller, SN 251424, in **East Hurricane Creek Field, (A)**, to test the Frio sands at a depth of 8,000 feet. The well will be drilled in Sec. 19, 5S-6W, approximately 1½ miles from nearest production.

In Calcasieu Parish, **Holmwood Field, (B)**, C6 Operating has permitted the #1 Walker La Prop, (SN 251436), to re-enter the Sohio/Tenneco #1 Walker, SN 105020, which was plugged and abandoned in September 1985. The well is located in Sec. 26, 10S-7W and will test Cib haz sands at 10915 feet. The well was completed in September 1964, in a Camerina sand through perforations 10,037 to 10,043 and produced for 13 years, until October 1979. Production was restored in March 1983, and was last produced in September 1984.

Louisiana Delta Farms will drill the #1 Brady, SN 251414, in **Bayou Perot Field, (C)**, Jefferson Parish. It will be drilled in Sec. 2, 16S-23E to a projected total depth of 12,655, (12,000 tvd) feet, a deep test in this area. It is also located 1 mile northeast of a well producing oil at 5100 feet.

In St. Charles Parish, **Bayou Des Allemands Field, (D)**, LLOX will drill its #1 Oakmont, SN 251447, to a total depth of 14,178, (12,000 tvd), feet in 15S-20E. It will be drilled approximately 2 miles northwest of current production in the field.

Costa Energy will drill the #1 Hawthorne Land Co., SN 251418, in Saint James Parish, **West Burton Field, (E)**, to test Planulina sands at a depth of 12,300 feet. It will be drilled in Sec. 59, 12S, 15E, offsetting a depleted gas well which produced from the Marg A and Siph dav sands.

COMPLETIONS

In Calcasieu Parish, **South Bell City Field, (F)**, Key Operating Company has plugged and abandoned the #1 Lavoie Land, SN 250871, at a total depth of 15,253 feet. It was drilled in Sec. 9, 11S-6W.

Marquis Resources has plugged its #1 Franklin, SN 251033, in **North Woodlawn Field, (G)**, Jefferson Davis Parish, at a total depth of 11,238 feet. It was drilled in Sec. 20, 8S-6W.

In Terrebonne Parish, Castex Energy has plugged its deep test in **Four League Bayou Field, (H)**. The well was drilled to a total depth of 21,039 feet in the Bay in 20S-13E.

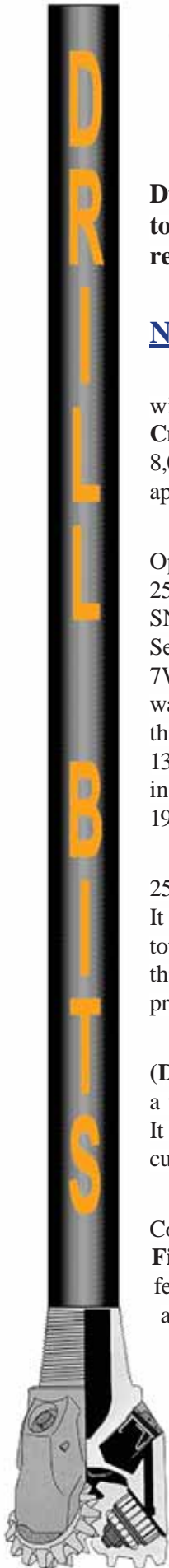
OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **November 2018**, the **BSEE** approved **83** Gulf of Mexico drilling permits. **Fourteen** of these were for shelf wells, and **69** were for deepwater wells. Of the total number of permits, there were **8 new well permits**; **1** was issued on the **shelf** and **7** in **deepwater**. The single shelf new well permit was for a development well. It was issued to **Arena Offshore** for their **South Timbalier 52 #CA-7** well.

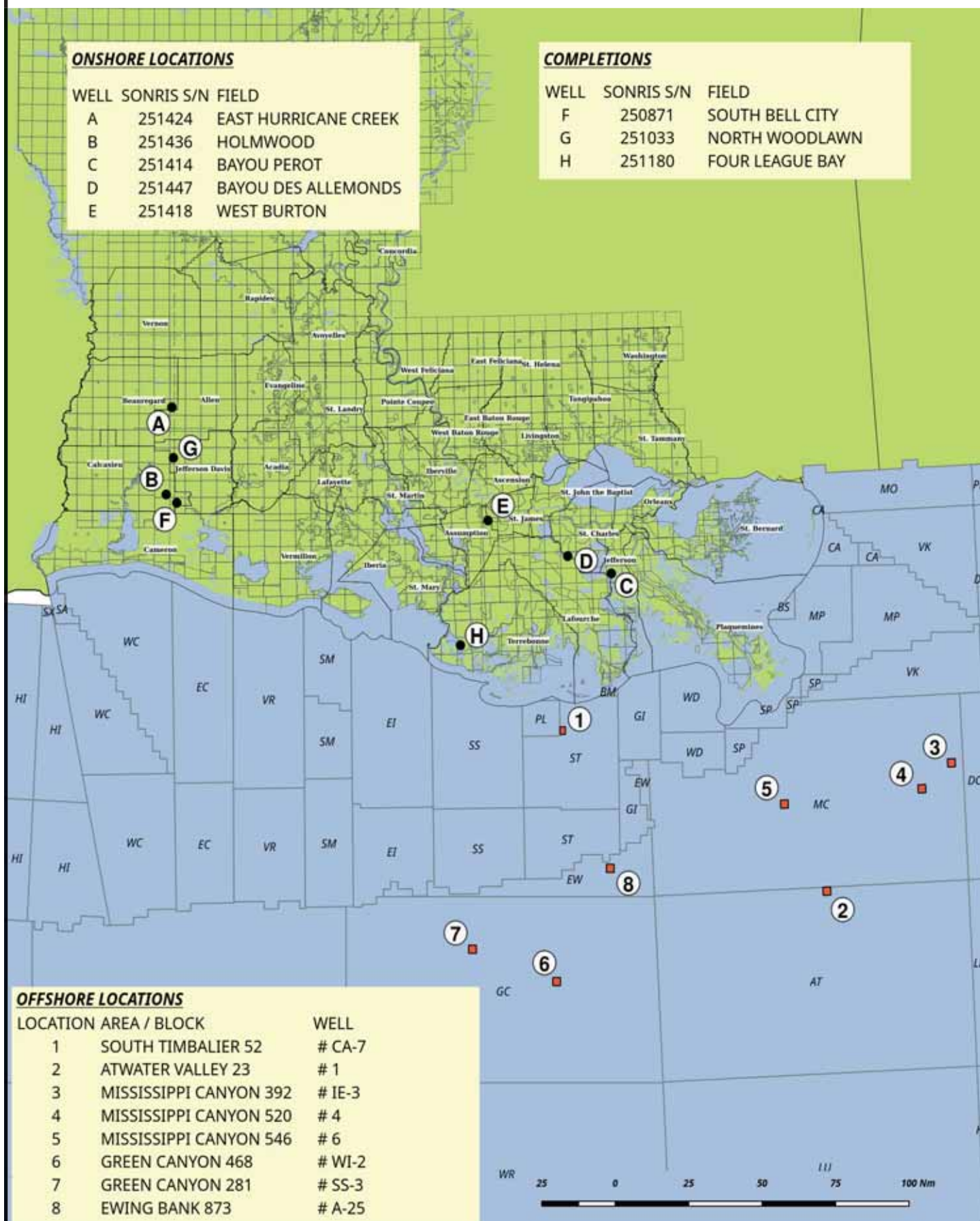
The 7 deepwater new well permits were for **3** exploration wells and **4** development wells. The exploration well permits were awarded to **Shell Offshore** for their **Mississippi Canyon 392 #IE-3** well, to **BP Exploration & Production** for their **Mississippi Canyon 520 #4** well, and to **Murphy Exploration & Production** for their **Atwater Valley 23 #1** well. The development well permits were given to **LLOG Exploration Offshore** for their **Mississippi Canyon 546 #6** well, to **Hess Corporation** for their **Green Canyon 468 #WI-2** well, to **Talos ERT** for their **Green Canyon 281 #SS-3** and to **EnVen Energy Ventures** for their **Ewing Bank 873 # A-25** well.

On November 30th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **73**, which is **1** less than last month. The marketed rig supply consisted of **43** rigs, of which **35** were under contract. The marketed rig supply number was



Onshore & Offshore Activity Map for South Louisiana

JANUARY 2019



the same as last month, and the contracted rig supply was **2** more than the previous month. The marketed contracted versus total rig supply utilization rate stood at **58.9%**, and the marketed contracted versus marketed supply utilization rate stood at **81.4%**. By comparison, the November 2017 total fleet utilization rate stood at 38.9% (**versus 47.9% today**) with 37 out of the 95 rigs under contract.

As of November 30th, **BakerHughes** indicated that there were **23** active mobile offshore rigs in the Gulf of Mexico, which is **53.5%** of the rigs under contract mentioned above. This active rig number is **5** more than as reported last month. Of the 23 rigs, **7** are located on the **shelf**, and **16** are situated in **deepwater**. At the same time last year, there were 20 mobile offshore rigs operating in the Gulf of Mexico suggesting a **15% increase**.

As of November 30th, the **BakerHughes** total U.S. rig count stood at **1076** rigs, which are **8 more** rigs than reported at the end of October 2018. Of the 1076 rigs, **887 (82.4%)** are **oil rigs** and **189 (17.6%)** are **gas rigs**. A year ago, there were 929 rigs working in the U.S. Thus, the current rig figure represents a **15.8% increase** in rigs. **Texas** still had the largest number of rigs with **531**, which is slightly under half (49.3%) of the total number of rigs in the U.S. **Louisiana** had a total of **65** rigs, **up 4** rigs from last month.

On November 9th, the **BOEM** released the final results of **OCS Sale 251** that was held in New Orleans in mid-August. It reported that it had accepted all of the **144** high bids received in the lease sale. The next offshore lease sale, **OCS Sale 252**, is scheduled for **March 2019**.

NOGS 2018 Christmas Holiday Party



13th Annual Louisiana Water Conference

April 15-16, 2019

Dear Colleagues:

Louisiana Geological Survey (LGS), LSU Agricultural Center (AgCenter), and Louisiana Water Resources Research Institute (LWRRRI) are co-hosting the 13th Annual Louisiana Water Conference, April 15-16, 2019 at Louisiana State University, Baton Rouge, Louisiana.

You are cordially invited to submit titles and abstracts to the Water Conference.

The Conference offers 1 PDH Ethics Lecture for Professional Geologists (PG) and Professional Engineers (PE) and certificates of Continuing Education Units (CEUs).

Conference announcement (LAWater 2019 CFP): <https://easychair.org/cfp/lawater2019>

Title/Abstract submission (LAWater 2019): <https://easychair.org/conferences/?conf=lawater2019>

Important Dates:

Title and Abstract Submission Open: Now

Registration Open: January 2, 2019

Title Due: February 15, 2019

Abstract Due: March 15, 2019

Early Registration Deadline: March 15, 2019

Conference Days: April 15-16, 2019

Ethics Lecture for Geoscientists and Engineers (1 PDH): TBA

Conference Location:

Dalton Woods Auditorium, Energy, Coast & Environmental Building,
Louisiana State University • Baton Rouge, Louisiana

Program Committee:

Douglas Carlson, Louisiana Geological Survey (co-chair)

Ryan Clark, The Water Institute of the Gulf

Stacia Davis Conger, LSU AgCenter, Red River Research Station

Mark Davis, Tulane University, Tulane Institute on Water Resources Law and Policy

Mary Gentry, Louisiana Department of Environmental Quality

Emad Habib, ULL, Department of Civil Engineering

Krishna Paudel, LSU AgCenter and LSU Agricultural Economics and Agribusiness (co-chair)

Frank Tsai, LSU Department of Civil and Environmental Engineering (co-chair)

Thomas Van Biersel, Louisiana Department of Natural Resources

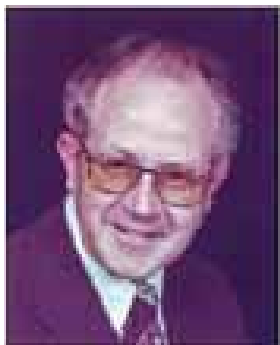
Carol Wicks, LSU Department of Geology and Geophysics

Jun Xu, LSU School of Renewable Natural Resources

~ In Memorium ~

Robert "Bob" B. Branson NOGS President 1990-91

By Ed Picou



Bob Branson who passed away on Friday, November 30, 2018, at the age of 91, was a prominent member of the Society, having served as president in 1990-91 and on many committees through the years. He was a native of Winfield, Kansas, and at the age of 18 he was drafted into the US Army and served near the end of WWII. He was posted in

Germany until he mustered out in February of 1947. Through help from the GI-Bill, Bob enrolled at Oklahoma University where he obtained both BS and MS degrees in Geology. Upon graduating, he joined the Standard Oil Company of California, now Chevron. Although early assignments took him to Grand Junction CO, Natchez and Jackson, MS and Pensacola, FL, Bob's final post was here in New Orleans where he worked until his retirement in 1988. To his good fortune, he was apart of the Chevron exploration staff that developed the play known as "The Tuscaloosa Trend" with Chevron drilling the discovery well in 1975. During its "hay-day," the trend had more than a dozen wells drilling. One could easily say that Bob became an expert on the trend and continued his involvement with it during his retirement, most recently working with Pennington Oil Company.

Quoting from his published obituary, "A Midwesterner by tone and nature, he nevertheless adopted many of the traditions and delights of his adopted home of New Orleans, including a passion for the New Orleans Saints,

Dixie and Jax beer, and boiled shrimp. With the eye of an outsider, he captured many of the city's eccentricities and landscapes through his hobby as an amateur black and white photographer."

A memorial celebrating Bob's long life was held December 15, 2018, in the Garden Room at Christwood Retirement Community in Covington, Louisiana. The Society expresses condolences to his surviving wife Benjie and all members of his family.

Note: In 1981 NOGS published *The Tuscaloosa Trend of South Louisiana*. This volume contains 19 field studies by workers of the trend. Five Chevron geologists contributed field studies, and although Branson did not, I am sure he oversaw and coordinated much of the company's contributions. The book is digitized and is on the original Atlas of Oil and Gas Fields of the New Orleans Geological Society CD-ROM, which is available at the AAPG Bookstore.

As a refresher on the trend, the Chevron Alma Plantation #1 was the discovery well for False River Field. It was drilled to a depth of 21,447 feet and was completed flowing 20 million cubic feet of gas and 80 barrels of distillate per day through perforations 19,836 to 19,916 feet, in the 19,800 Sand. By 2015 more than 52 wells had been drilled and the field had produced more than 2,300,000 barrels of oil and more than 200 billion cubic feet of gas. By 1993 more than 400 deep wells were drilled in the trend, at an average depth of 18,800 feet, with the trend covering an area more than 220 miles long and 30 miles wide. Appreciation is expressed to Carlo C. Christina for these statistics.

www.gcagshouston.com



69th Annual Gulf Coast Association of Geological Societies 2019 GCAGS Convention

October 23-25, Marriott Westchase, Houston

Hosted by the Houston Geological Society and the GCSSEPM

General Chair: Mike Erpenbeck, Vice Chair: Larry Bartell, GCAGS President: Deborah Sacrey

Submit an Oral or Poster Abstract by March 4, 2019

NOTICE FOR POTENTIAL CANDIDATES TO APPLY FOR VACANCIES ON THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY EAST AND WEST LEVEE BOARDS.

The State contact person is Ms. Stephanie Aymond at Stephanie.Aymond@LA.GOV . Applicants need to complete the official application, which can be found at the following link: <http://www.coastal.louisiana.gov/wp-content/uploads/2013/09/SLFPAApplication1.pdf>. Applicants are needed to fill the following Board vacancies:

The Nominating Committee will be seeking applicants for this year to fill the following vacancies for their term beginning in 2019 and ending in 2023.

A. Non-Resident:

1. SLFPA –East Board: One (1) Vacancy. A Non-Resident for the East Board means anyone who resides in the State of Louisiana or the United States; but, does not reside in either Jefferson or Orleans Parish in that respective portion of these Parishes that is located on the East side of the Mississippi River or anyone who resides in St. Bernard or Tangipahoa Parishes.
2. SLFPA-West Board: One (1) Vacancy. A Non-Resident for the West Board means anyone who resides in the State of Louisiana or the United States; but, does not reside in either Jefferson or Orleans Parish in that respective portion of these Parishes that is located on the West side of the Mississippi River.

A Non-Resident applicant can apply to both Board's or may choose to apply for only the East or West Board's, subject to the residency requirements.

B. Resident:

1. SLFPA-East Board Tangipahoa Parish Resident: One (1) Vacancy. The applicant for this vacancy must reside within the boundaries of Tangipahoa Parish.
2. SLFPA-West Board Orleans Parish West Resident: One (1) Vacancy. The applicant for this vacancy must reside in that portion of Orleans Parish that is located on the West side of the Mississippi River.



Contact NOGS at:
admin@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

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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.

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STEM QUEST

Children's Museum
of St. Tammany

2018

On Saturday November 10th, the Children's Museum of St. Tammany hosted their second annual STEM QUEST event. Over 600 people attended and were greeted by exhibitors including Chevron, NASA, and Ochsner. The day was chilly with 15-mile winds but that didn't stop our twelve dedicated NOGS volunteers from interacting with kids and parents alike and teaching them about earth science. Dave Cope had an interesting display on how trace elements affect the color of quartz crystals. Stephanie Welch, Van Smith and Bill Haworth presented rocks and minerals including radioactive materials with a Geiger counter. Doug Bradford and Tom Bergeon brought dinosaurs back to life. William Vollenwider, Dianne Lynne, and Chris McLindon talked about the properties of oil and how an oil field is formed. Mike Fauquier engaged the kids in the ever popular oil finder game. Drew Akins demonstrated solar power with a number of solar paneled objects and Art Christensen photographed the event and assisted in the oil industry stations.

The museum opened Kid's Town, located on Koop Drive along the Mandeville Trace, in February of 2018. Over 25,000 people have attended the museum since its opening. The museum is the interim museum for the future museum which will be located on the Tchefuncte River just north of I-12. We encourage you to bring your children, grandchildren and friends to play in this fun and engaging interactive museum.

For more information see the CMST website at
cmstkids.org





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