

NCGS LOC

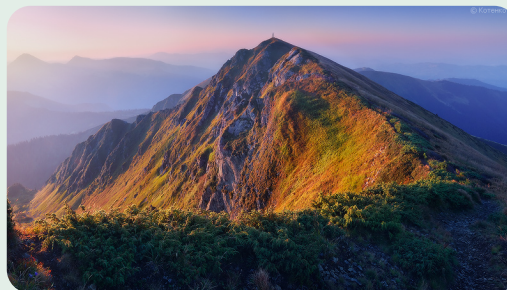
APRIL 2022
Volume 62 No. 10



*Happy
Spring*

On the Cover

The Hutsul Alps are in the Rakhovsky District of the Zakarpattia Region in southwest Ukraine. The Alps are named for the Hutsuls people, an ethnic group who settled in what is now western Ukraine and Romania.



The composition of Hutsul Alps shows the complexity of the region's geological history. The Alps have glaciated valleys and the mountains are composed of gneiss, crystalline schists, pyroclastic deposits and limestone.

The highest peaks in the Hutsul Alps are Mt. Pip Ivan (6,382 ft), Mt. Farcau (6,432 ft) and Mt. Mykhail (6,280 ft).

Photo Credit: Alexander Kotenko



From the Editor...

For over a month we, along with most of the world have witnessed the horror of the invasion of Ukraine by the Russian Army. This military aggression to regain control over a sovereign nation has motivated me to show support for the struggle of the citizens of Ukraine to not only to defeat the invading army but emerge from this struggle as a safe and stronger nation whose economy is healthy and more integrated into the global economy.

The burning question for me is what can I do now? I have found organizations to support who are delivering humanitarian aid where it is sorely needed. I am still searching for ways to support the Ukrainian people after the war has ended. Geoscience research is underway to help with the identification of unexploded land mines, which will be needed after this war ends.

Read more about how this can be done.



Emmitt Lockard
2021/2022 NOGS LOG Editor



A MESSAGE FROM 2021/2022 NOGS PRESIDENT

HILLARY SLETTEN

To members and friends of the New Orleans Geological Society:

It has been a dynamic month as we have all watched the unfolding situation in Ukraine, Russia's unyielding invasion, and the swift response private industry has taken in response to Russia's actions, particularly within the energy industry. Shell has exited joint ventures with Gazprom and ceased the purchase of all Russian hydrocarbons, BP will sell its 20 percent stake in Rosneft, and Exxon Mobil will end its involvement in a large oil and natural gas project. These are just a few examples of what industry is doing to cut ties with Russia, sending clear messages that Russia's actions will not be condoned. Consequently, it also raises concerns about local and global energy access as well as security. It brings to light once again how fragile our energy supply chains and systems are amongst geopolitical unrest. Overlay that with the increasing impacts climate change is having on our energy security – hurricanes, wildfires, deep freezes, etc. – I think we are in for increasingly challenging times to establish safe and reliable energy for people. For those of us who work in or support the energy sector, or for those that study or respond to the effects of climate change, I think there is so much to learn during these times. Instability is also an opportunity to improve upon our current situation and make something better for the future. I hope larger organizations and governments make wise decisions in this space. In this particular instance, it is at the very unfortunate expense of the Ukraine people. It is always tragic when civilians, in any nation, are caught in the crosshairs of war over territory, energy reserves, and political motivations. It would be great to hear more from our geoscience community on these topics. If your work intersects these issues, or other current events, we welcome articles for the NOGS LOG to share with our members and readers. Please get in touch with our Editor, Emmitt Lockard (Email Address: editor@nogs.org).

You can join these types of conversations, or simply come to enjoy and reconnect with our NOGS community, by attending our in-person events that will be kicking off again this month. Starting off on Monday, April 4th we have the pleasure of welcoming the Louisiana State Geologist and Director of the Louisiana Geological Survey (LGS), Dr. Clare Falcon, who will be talking about the past, present, and future status of the LGS. Open conversation will be held to learn what is important to our NOGS community and what we would like to see the LGS achieve. This event will be at The Cannery and also held virtually.

In addition to our monthly speaker events, we have volunteer events in April and May, the May 23rd NOGS/PLANO/SPWLA Golf Tournament at Beau Chene in Mandeville, LA, and later in the year we will again be hosting in-person geology seminar day at the Deepwater Technical Symposium in New Orleans. For more information, please check out the Events page on our NOGS website to register and stay up to date on what we've got going: <https://www.nogs.org/events>.

Last but not least, I'd like to give a warm welcome to Jared Bullock who will be our interim Treasurer on the NOGS Board. Jared will also be a nominee for this position going into the next term. Thank you for your service! Stay safe and we'll see you soon!

Cheers,
Hillary Sletten
2021-2022 NOGS President

NOGS APRIL 2022 MEETING

MONDAY, APRIL 4, 2022

11:30 AM - THE CANNERY- IN PERSON

LOUISIANA GEOLOGICAL SURVEY PAST, PRESENT & FUTURE

The Louisiana Geological Survey has a long history.

This presentation will include:

- A brief look back at the LGS of the past
- Information on the current state of the LGS
- Aspirations for the future of the survey insights into the strategy of how we will achieve it
- An open discussion and invitation for the audience to participate in communicating their needs and aspirations of the survey



Presented by:
Dr. Clare Falcon
Louisiana Geological Survey

BIOGRAPHY

Clare Falcon is the new State Geologist of Louisiana and Director of the Louisiana Geological Survey, or LGS, on Sept. 20. She brings more than 25 years of professional geoscience experience, most of which has been in industry, to the state leadership position.

Most recently, Falcon has worked in Houston for BHP, a global resources company headquartered in Melbourne, Australia. Since 2017, she served as a leadership coach, a geoscience manager and a geologist on Gulf of Mexico exploration and appraisal projects in the U.S. and Mexico for the company. Previously, she led the Gulf of Mexico exploration team as an exploration sedimentologist for Italian multinational oil and gas company, Eni. She has also worked for Amoco, Schlumberger and Statoil. She is originally from the village of Milverton in West Somerset in southwest England. She received her PhD from the University of Leeds, UK and bachelor's degree in geology from Liverpool University.

The position of state geologist of Louisiana was established in 1870, and the present Louisiana Geological Survey was established by the Louisiana Legislature in 1934. Falcon will be the first woman to become Louisiana's State Geologist and the Director of the Louisiana Geological Survey. The mission of the Louisiana Geological Survey is to develop, interpret and provide information about Louisiana geology and its relationship to mineral, water, energy and environmental resources. The Louisiana Geological Survey and LSU published the first geological map of Louisiana in 1870, and perhaps the world's first-ever major study of a large river delta, the Mississippi river delta, in 1936.

As the Director, Falcon will oversee nine full-time and two part-time staff, who run applied geosciences programs that support the stewardship and development of the state's natural resources. She will expand upon the organization's current strengths in geological mapping, water resources, geographic information system and cartography, and shallow crust geophysics. These activities support Louisiana Geological Survey's charge to provide the state and its citizens with geological information relevant to economic resources, environmental protection and natural hazards. Falcon will help position the organization as a leader in coastal processes critical to the state's economy and environment; innovative approaches to natural resources such as geothermal energy, oil, coal and natural gas, raw materials, water, coastal systems; and new opportunities such as carbon capture, use and storage.

As the state's experts in subsurface, geological and geophysical analysis, LSU and Louisiana Geological Survey have received \$1 million in funding from the state legislature to conduct a state-wide carbon sequestration study. Researchers will identify and map carbon dioxide point sources, well density and major pipeline infrastructure throughout the state, which will provide industry with unprecedented science-based insight for potential carbon capture, use and storage projects.

[Click Here to Register](#)



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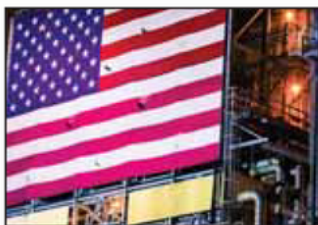
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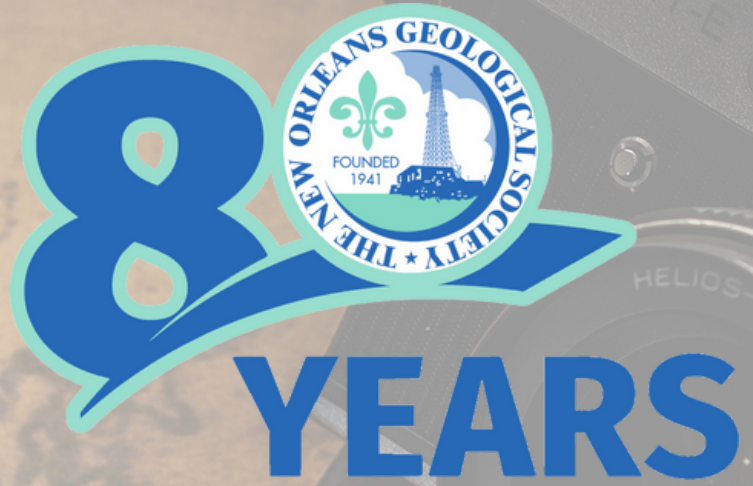


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PICTURES FROM THE PAST



**May 5, 1995 - Hungry Golfers enjoy a steak meal prepared by
Diversified Well Logging after tournament**

Register today for the May 23rd tournament and join in the fun!

*Submitted by
Ed Picou, Chairman - Historical Committee*

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The New Orleans Geological Society was organized on October 3, 1941, as a non-profit organization for the purpose of facilitating the development of the profession and science of Geology, with specific emphasis to exploration and production of petroleum and natural gas. Secondary related objectives include the dissemination of pertinent geological and environmental technological data, and the maintenance of a high standard of professional conduct of its members. The full history of the Society can be found at nogs.org.

The NOGS LOG is now a digital magazine with live links to your site to reach NOGS Members and support your Society. Please contact Christy Himel admin@nogs.org for placement availability. Full page NOGS LOG advertisers will have their Company LOGO posted on the NOGS Website front page. All advertisers are included on the Society's monthly PowerPoint and listed on the website with a link to their home page. Please check out our website www.nogs.org

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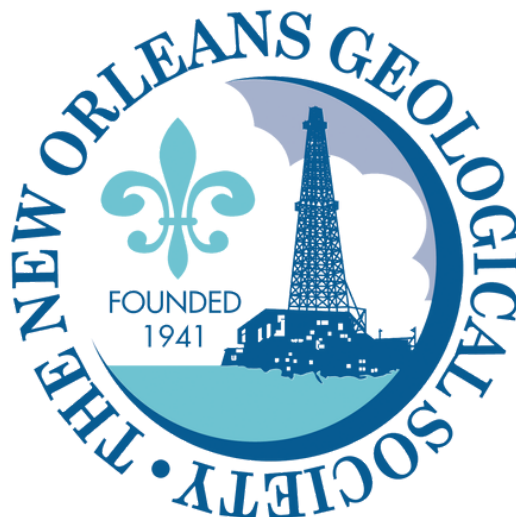
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**The Louisiana Children's Museum and
The Children's Museum of St. Tammany**



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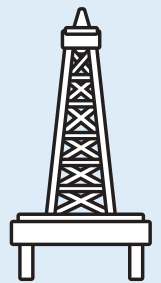


WWW.NOGS.ORG

*Volunteers
Needed!*

DRILL BITS

OFFSHORE GULF OF MEXICO SHELF AND
DEEPWATER ACTIVITIES
BY AL BAKER



During February 2022, the Bureau of Ocean Energy Management (BOEM) approved 65 Gulf of Mexico (GoM) drilling permits. Twelve of the permits were for shelf wells, and the remaining 53 permits were for deepwater wells. No new well permits were issued.

On February 25th, IHS-Petrodata indicated that the GoM mobile offshore rig supply stood at 47, which is the same as last month. The marketed rig supply consisted of 35 rigs, of which 29 were under contract. The marketed rig supply number was 1 more than last month, and the contracted rig supply number was the same last month. The marketed contracted versus total rig supply utilization rate was 74.5%, and the marketed contracted versus marketed supply utilization rate was 82.9%. By comparison, the February 2021 total fleet utilization rate stood at 68.8% with 32 rigs under contract out of the 58 rigs in the fleet.

On February 25th, Baker Hughes reported that there are 12 active mobile offshore rigs in the GoM, which are 6 less than last month and 41.4% of the rigs under contract mentioned above. Currently, 2 rigs are drilling on the shelf, and 10 rigs are drilling in deepwater. They include 5 rigs in the Green Canyon Area, 2 rigs in the Mississippi Canyon Area and 1 rig each in the Alaminos Canyon, Walker Ridge, Ewing Bank, Bay Marchand and Main Pass Areas.

On February 25th, the Baker Hughes total U.S. rig count stood at 650 rigs, which are 40 more rigs than reported at the end of January 2022. Of the 650 rigs, 522 (80.3%) are oil rigs and 127 (19.5%) are gas rigs. One rig was listed as miscellaneous. A year ago, there were 402 rigs working in the U.S. inferring that the current rig figure represents an 61.7% increase in rigs year over year. Presently, Texas continues to have the largest number of rigs with 312, which is 48% of the total number of rigs in the U. S. Louisiana currently has a total of 54 rigs, which are 3 less than last month. Louisiana is ranked third behind New Mexico, which currently has 95 rigs.



NOGS MARCH 2022 MEETING

MONDAY, MARCH 7, 2022

11:30 AM ZOOM MEETING

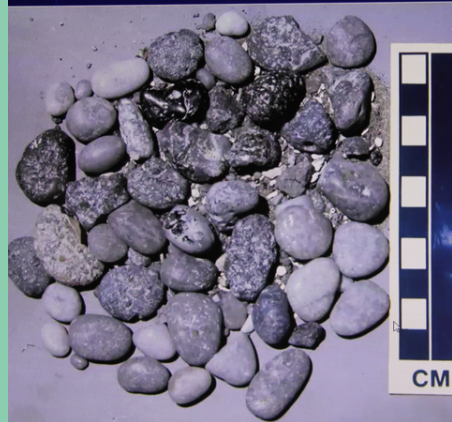
LATE MIOCENE FLUVIAL TRANSPORT OF COURSE SILICICLASTIC SEDIMENTS FROM THE SOUTHERN APPALACHIAN MOUNTAINS TO SOUTHERN FLORIDA

Presented by:

*Thomas M. Missimer, Ph.D., P. G.
Executive-in-Residence and Professor
Florida Gulf Coast University
U. A. Whitaker College of Engineering*

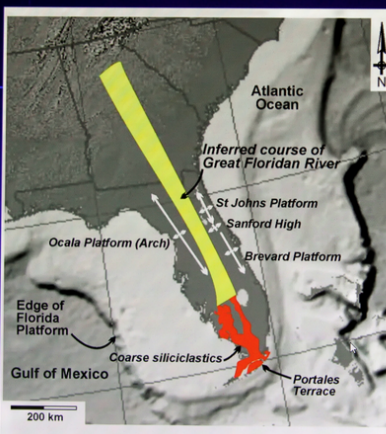


Hendry County-LaBelle Well



Gravel and pebbles were found with compositions ranging from pure quartz to quartzite to sandstones to phosphorite.

Regional Transport Pathway

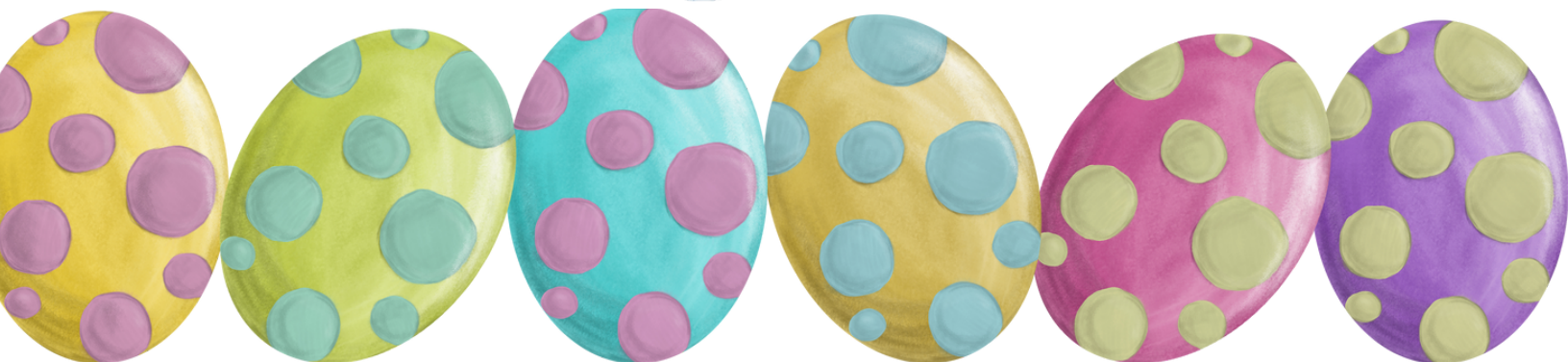


- The transport corridor transverse southern Georgia where no channel is preserved.
- Many kaolin mines lie along the past channel in Georgia and northern Florida.
- Transport in Florida lies between two structure high features.
- Coarse siliciclastics underlie the younger Trail Ridge siliciclastics in central Florida.

What climate conditions were necessary to move the sediment south?

- Sufficient rainfall would be required to produce periodic flooding of the river.
- The volume of sediment moved into southern Florida suggests a wet climate based on the restricted timeframe of deposition.
- However, a wet climate is not a necessity based on analogous rivers flowing out of the Rocky Mountains onto the semi-arid Great Plains (low-gradient, braided stream with high bed loads, and stream competence).

NOGS



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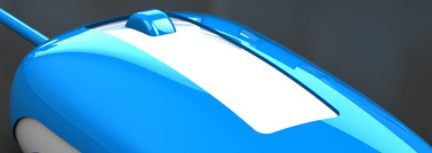
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After a 2 year hiatus the New Orleans Geological Society will be doing special outreach events this spring!

Mark
your
Calendars!



**Southeast Louisiana Girl
Scouts BIG Believe in Girls
April 23rd in Hammond.**

**1,400 girls and leaders are
already signed up and it is
a great day to teach them
how an oil field is formed
in 7 interesting stations.
Typically we need about
14 people to run this
effectively and prefer
woman role models for
the girls, both
professionals and college
students.**

**The displays are straight
forward and fun to teach.**



To volunteer please contact me

Thank you!

**Tom Bergeon
Tombergeon.geo@gmail.com
504-237-2707**

**Join the fun - Save the
dates – sign up - more
info to follow shortly**



**May 21st NOGS will put on
Super Science Saturday in
the City Park Louisiana
Children's Museum.
The museum has been very
excited about getting us
back for this yearly special
event.**

**We will scale the event
based on the number of
volunteers we get so please
consider joining and making
a big impact on the
community. We will be able
to teach in their state of the
art museum including using
a sediment table, turbidite
wave generator and 75 foot
long flowing reconstruction
of the Mississippi River. And
of course plenty of dinosaurs
will be on hand.**



NEW ORLEANS GEOLOGICAL SOCIETY *Auxiliary*



New Orleans Geological Auxiliary members and guests met at Porter and Luke restaurant on March 23 for a casual lunch. Pictured around the table are Alma Dunlap, Pat Williamson, Roy and Mary Walther, Peggy Rogers and daughter Kathryn, Ed Picou, Dan Armstrong, Mary Ellis and George Hasseltine, Linda Peirce, Trudy and Charley Corona.

NOGS Memorial Foundation Pays it Forward to Local New Orleans Area Children's Museums

In 2005 NOGS committed to a significant 10-year \$100,000 museum initiative donation to the Louisiana Children's Museum and the Children's Museum of St. Tammany. Both museums have played key roles in child education in the Greater New Orleans area and NOGS has been a museum partner since their inception.

These donations were a major commitment to the community and were divided between the NOGS Memorial Foundation and the NOGS General Fund. The NOGS Memorial Foundation's major role has been to sponsor college scholarships and area college geology departments. The NOGS General Fund contributions have come from the NOGS/PLANO/SPWLA golf tournament's profits, and gracious donations from vendors and NOGS members. We are very grateful for these organizations who partner with NOGS in our fund raising commitment to support science's impact in our community.

During the Covid-19 pandemic, our museum friends were overcoming major obstacles from the uncertainty of when the museums would re-open to the public, new safety protocols, restricted admittance numbers and staffing, along with significant budgetary concerns.



**Tom Bergeon & Robert Rooney
Presenting Check to
Children's Museum of
St. Tammany**



Having fun at the sedimentary table



Digging into Nature



**Robert Rooney presenting check to
Louisiana Children's Museum**



The NOGS Memorial Foundation made a major decision to expedite the remaining 4 years of the 10-year donation to the museums in their time of need.

Memorial Foundation President, Robert Rooney, was instrumental in initiating the expedited gift. Robert and I were able to visit both museums and present them with their NOGS Memorial Foundation donation checks. We met with Lisa Barnett and Leslie Martin of the Children's Museum of St. Tammany and Julia Bland of the Louisiana Children's Museum. Both museums were very thankful of this gesture and said it couldn't have happened at a better time.

The children's museums are back up and running and NOGS will be hosting one of the first big events, Super Science Saturday, at the Louisiana Children's Museum, on Saturday, May 21st.

Thank you to everyone who has supported the museum initiative throughout the years. We can all be very proud of the impact that NOGS is having on the Greater New Orleans community.

Tom Bergeon



Recent Oil Industry Headlines... February 2022

3/28/2022 - U.S. oil exports surge, drawing crude away from storage hub - U.S. oil exports have climbed following Russia's invasion of Ukraine, and barrels of domestic oil that would typically go to the Cushing, Oklahoma, storage hub are instead being exported via the Gulf Coast, traders said. The invasion threw the oil market into disarray, as companies stopped buying Russian oil and prices skyrocketed. Worldwide buyers are looking to source crude wherever they can, and exports have risen in recent weeks from the United States, the world's largest crude producer. [Read Full Article](#)

3/25/2022 – BSEE Gets New Director - The U.S. Department of the Interior (DOI) has announced that Kevin M. Sligh Sr. will join the DOI as the new director of the Bureau of Safety and Environmental Enforcement (BSEE). Under his new role, Sligh will oversee the BSEE's efforts to promote safety, protect the environment, and conserve offshore resources through regulatory oversight and enforcement, the DOI outlined. The new director will supervise more than 850 federal employees and will be supported by senior executives who manage national programs, policy and budget in the BSEE's Washington, D.C. headquarters, the BSEE highlighted on its website. [Read Full Article](#)

3/24/2022 - Top Oil Traders See Oil Topping \$200 By End-2022 - Some of the world's biggest oil traders expect oil prices to exceed \$200 per barrel by the end of the year, the Financial Times reported, citing opinions shared at its Commodity Global Summit this week. "Wakey, wakey. We are not going back to normal business in a few months," said Pierre Andurand, who has been super bullish on oil for a while. "I think we're losing the Russian supply on the European side forever." [Read Full Article](#)

3/22/2022 - API: February US oil demand strongest since August 2005 - US petroleum demand, as measured by total domestic petroleum deliveries, was 21.6 million b/d in February, only 0.03% above demand in January, according to the latest monthly statistical report by the American Petroleum Institute (API). However, this was its highest for the month February on record since 1963 and its highest for any month since August 2005. [Read Full Article](#)

3/18/2022 - Biden administration plans to resume plans for federal oil and gas development - The Biden administration on Friday said it would resume plans for oil and gas development on federal lands following a court ruling this week that temporarily restored a measure meant to factor the cost of global warming into federal decision-making. The development is the latest in a string of stops and starts to the federal oil and gas leasing program since President Joe Biden took office in January 2021. Biden pledged during his presidential campaign to halt federal drilling auctions, but that effort has been stymied by a court challenge from Republican-led states. [Read Full Article](#)

TOP 10 REASONS TO JOIN NOGS

1

Proclaim your professionalism

With an 80 year history and over 300 active members, NOGS is the premier professional organization for geologists in New Orleans. Adding your name to the ranks declares your pride in the profession you have chosen.

2

Advance your career

NOGS members enjoy educational opportunities and top speakers designed to increase knowledge and keep up with the newest trends in geoscience, both on the national and local levels.

3

Advertise your integrity

NOGS has a reputation of over 75 years for upholding high standards. Align yourself with like-minded geologists and related fields.

4

Further your cause

NOGS was organized for the purpose of facilitating the development of the profession and science of Geology, at the time with a focus on production of oil and gas. Since Hurricane Katrina our objectives expanded to include the dissemination of the geological facts of flood control, engineering and environmental geoscience.

5

Network with others who do what you do

Making connections, between people and ideas, is an important part of any scientific endeavor. Meet others who can help you make those connections.

6

Advocate for your profession

Serious-minded professionals know that serving the profession means responding to calls for action from those who represent the profession. NOGS monitors trends in geoscience education, regulation, and practice standards and periodically advises members on required action.

7

Serve your profession and community

Opportunities for individuals to serve on NOGS committees that work on a variety of issues from building educational programs to sharing knowledge with others to providing scholarships to young geologists in our area.

8

Don't reinvent the wheel ... use available resources

NOGS members can provide you with the resources you need to do your job well. Long-time members remain active and are happy to share their knowledge and best practices.

9

Play a part in elevating the status of geosciences.

Your membership in NOGS and your dedication to geoscience elevates the entire profession.

10

Do it for YOURSELF!

It's all about YOU! NOGS' educational, networking, and career planning programs will take you where you want to go!



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presents it's
6th Annual Membership Drive Crawfish Boil

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Free to potential members to our SIPES New Orleans Chapter

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

Tuesday, April 19th, 2022

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 -
\$30/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.sipes.org

