



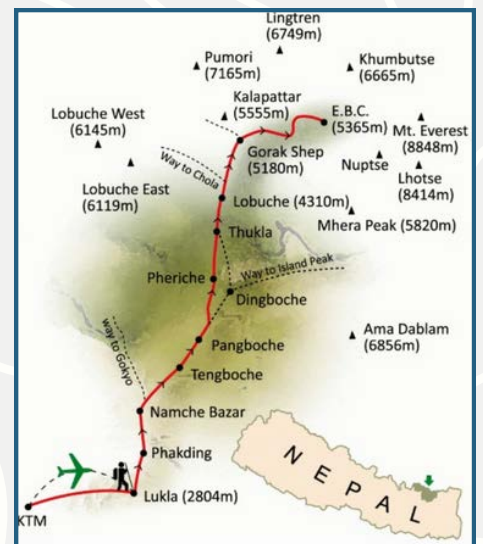
ON THE COVER: Mt. Everest Base Camp, Nepal

NOGS member and geologist, Kirk Barrell, recently completed an eleven day trek through the Khumbu Valley of Nepal culminating in a visit to Everest Base Camp (17598') and a summit of Kala Patthar (18519'). The trip was led by Garrett Madison who holds multiple high altitude mountaineering world records and owns Madison Mountaineering.

The Himalayas and Mount Everest began forming over 65 million years ago when two of the earth's great crustal plates, the Eurasian plate and the Indo-Australian plate, collided. Mount Everest is composed of three distinct rock formations. From the mountain base to the summit, they are: the Rongbuk Formation; the North Col Formation; and the Qomolangma Formation. The Rongbuk Formation includes the basement rocks below Mount Everest. The metamorphic rock includes schist and gneiss. The North Col Formation consists of a diverse mineralogy including marble, phyllite with muscovite and biotite, and schist. The Qomolangma Formation, the highest section of rock on the summit pyramid of Mount Everest, is made of layers of Ordovician-age limestone, recrystallized dolomite, siltstone, and laminae. ([Source](#))

Recent measurements indicate that Mt. Everest has increased in elevation by two feet. During Barrell's visit, the country experienced a large earthquake of 6.4 magnitude in the Karnali Province (western region).

Kirk's father R.F. Barrell was the NOGS President from 1970-71.





From the Editor...

Greetings Everyone,

The year is fast coming to a close, and I personally couldn't be more ready for it. I've always enjoyed the turn over into a new year and starting fresh. Christmas has also always been my favorite time of the year, and I can't seem get enough of the Scandinavian gnomes (*nisse*, below) seen everywhere these days.

In this month's issue, we recap several recent NOGS events, including the monetary result of the October PLANO/NOGS golf tournament, last month's monthly meeting, and annual scholarship recipients. Also, be sure to check out this month's GeoNews article from Dr. Mark Kulp, department chair at the University of New Orleans, as he gives a synopsis and update on UNO's Earth & Environmental Science (EES) Program.

As always, if you have any suggestions about content or would like to contribute to the Log, please reach out to me at editor@nog.org!

I hope everyone has a wonderful holiday and new year!



Brittany



Brittany George
2023/2024 NOGS Log Editor



MARK WOJNA

A MESSAGE FROM THE 2023/2024 NOGS PRESIDENT

To all NOGS members, friends and colleagues, I wish all of you and your families a safe and Happy Holiday season. I have really enjoyed the first half of my role as President of NOGS. The landscape in South Louisiana is changing but remains very vibrant. This position has given me an opportunity to become aware of other geologically related opportunities here in South Louisiana outside of oil and gas. South Louisiana continues to be a dynamic geologic province both in the subsurface and surface. It's an exciting region to work as a geologist and it presents many opportunities for future work. Please join us at our December 6th lunch meeting in Metairie at Dab's Bistro, where Eric Smith, the Associate Director of Tulane University Energy Institute will give a talk on Prospects for Offshore Wind Energy in the Gulf of Mexico.

Dr. Mark Kulp, Chairman of the University of New Orleans Earth and Environmental Sciences Department, has graciously shared a detailed summary of the current activities of UNO's program in the current issue of the NOGS LOG. UNO has been an integral part of the local geological community for many years. Many current and former NOGS members, including several current NOGS Board members are UNO graduates.

As a graduate student at the University of Southern Mississippi, UNO's Dr. William Ward served on my thesis committee as an outside advisor. We plan on shining a spotlight on other local university earth science programs in future issues. They all play an integral part in South Louisiana geological research and educating future geologist to address Louisiana's geological employment needs. If you have employment opportunities or internship opportunities at your company, please consider our local universities as a valuable resource of well-educated, motivated geologists.

At our November NOGS luncheon meeting, the NOGS Memorial Foundation awarded \$30,000 in scholarships to twelve college students, four each from UNO, Tulane and LSU Earth Science/Geology programs. As this year comes to an end please consider a charitable donation to the NOGS Memorial Foundation to support local geological college students. The donation also gives you an opportunity to memorialize a geologist who may have been instrumental in your career or played an important role in your professional development. My donation this year is in the memory of Case Petersen. Case was the first geologist I trained under and worked with when I began my career in the oil and gas industry in 1985. After serving as a bomber in the Air Force during WWII, Case began his geological career exploring in the Gulf of Mexico Basin with British American (BA) and later with Gulf Oil.

Wishing all of you a joyful and prosperous New Year!

Mark Wojna

WEDNESDAY, DECEMBER 6, 2023



PROSPECTS FOR OFFSHORE WIND IN THE GULF OF MEXICO

Eric Ney Smith

Associate Director of the Tulane Energy Institute,

To date, all of the Federal attention has been focused on shallow water wind farms designed to deliver power to the onshore grid. We argue that model will not be successful in the US Gulf. The results of the recent BOEM lease sale would seem to bear out that premise. However, there is an alternate market to consider and that is the deep water oil and gas production platforms which use enormous amounts of expensive, gas fired electrical power. Our presentation is focused on what's needed to make that alternate market a reality. at talks about business for budding entrepreneurs with famous speakers.

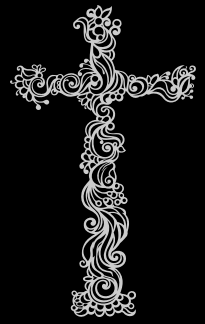
**11:30 AM NETWORKING
12:00 NOON PRESENTATION**

**DAB'S BISTRO
METAIRIE**

Register Now!

www.nogs.org

In Memorium



Monte C. Shalette²

Monte C. Shalett, SIPES NOC Affiliate, passed away on August 20, 2023 after a six month fight with pancreatic cancer. There was a Celebration of Life Party for Monte last Saturday and no further services are planned. Monte was a dear friend and business partner. Monte and Paul Jurik put me on a geological retainer just out of school to generate South Louisiana prospects beginning in 1984. Below are my insights, stories and a few photos of being Monte's friend for nearly 40 years.

Monte loved life. I do not think I know of anyone else who lived life to the fullest more than Monte. His energy level indicator was set on high all of the time. He could, and would, talk to anyone on the same level and there was never an issue of status. Monte had a multitude of interests and with those interests were hours of research and evaluation. This gave him the basis to talk about many subjects, and again, to talk to anyone.

Monte loved his family. Monte was rooted in his family and was proud of them. He had many framed photos in his office of his family and this is how I got to know who his mother and father were along with uncles and other relatives. He also proudly displayed photos of Merit and their two sons, Monte and Lee. Many times him and I would have meetings in his office with these photos surrounding us as if they were included in the daily discussions.

Monte loved to learn. Back in the late 80's while working at his office at 1020 Gravier downtown he suggested that he and I take PC (personal computer) operational classes at his office, which we did, and we discovered the world of spreadsheets and learned how to run and implement Lotus 1-2-3. This opened up an incredible research tool for Monte, which he mastered quickly. Microsoft Excel eventually took the place of Lotus 1-2-3 and I would venture to say Monte created new spreadsheets daily.

Monte loved the Oil & Gas business. He was involved in many different oil & gas properties, deals and prospects. He learned "on the fly" about oil & gas operations, landwork, drilling, geology, engineering, etc. Monte was a great landman and somehow made our deals work by securing farmouts and leases from large companies such as Unocal, Exxon and Shell. He totally understood the risks associated with oil & gas investing but continued to dive head first into many deals. Some may know that Monte helped design and build the "New Orleans Petroleum Club" in the mid 1990's located on the top floor of the Energy Centre Building.

Monte loved vintage race cars. While working with Monte in his office he began a love for owning vintage cars and actually began racing them. He really liked the short wheel base Ferrari and owned a few of them. His most favorite car was his Ferrari "Breadvan". A "one-of-a-kind" 250 GT SWB Ferrari. This car was built with aerodynamics in mind back in the early 1960's. At one point he had so many cars that required maintenance and care that he opened a good size auto garage and machine shop in Atlanta to service his vintage racing cars. I only have a couple of things further to say about his vintage racing car days. One, was when Monte found out how much his life insurance premium was going up now that he was racing cars. Two, when he put his racing fire suit on right there in the office and I realized he really was going to race cars!

Monte loved innovation. Monte was never short on fresh and new ideas. He was continually coming up with business ventures, inventions, etc. daily. While explaining his new thought-of endeavor he would give you a personal tap on your shoulder or arm to make sure he had your full attention. Some of these ideas he put his money where his idea was. One example was his Race Time magazine. He searched everywhere but could not find out when auto races would be held and televised so he came up with his own published magazine to fill the void.

Monte loved parties. When I first began working for him I mentioned to him that my college friends were having a big party. First thing he said was, "Can I go?" I was a little shocked on why he would want to party with people +10 years younger than his age. But at that time I was beginning to understand who Monte was. He came to the party, talked to everyone, danced the night away and was pretty much the life of the party.

Monte loved music. One day in 1994 Monte came in my office and said, "do you know who's coming to play in the Superdome?" I was thinking of sports teams but could not answer his question. He said, the "Stones!" and he wanted to buy front row tickets for Mary and me and him and Merit. He did just that. This was before the age of Stubhub, so how he found these tickets I do not know. It was one of those things where once he was set on a mission, it was more likely going to happen. A few days later a man comes to the office with four front row tickets to the Rolling Stones and a large old frying pan. Monte paid him cash and the guy said you are buying the tickets at face value and this frying pan for the balance. Monte kept that expensive old frying pan in his office for many years.

Monte will be greatly missed by all who were blessed to know him. He truly was inspirational and emitted energy to all who were around him. Please pray for Monte's family to have comfort and peace during their time of loss.

by Eric C. Broadbridge

PLANO/NOGS GOLF TOURNAMENT



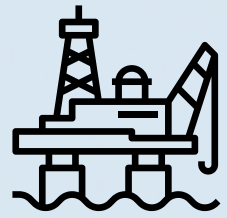
Photo from Left to Right: Matt Simone (Liskow & Lewis), Leslie Broussard (Diversified Well Logging), Danielle Brocato (Chevron), Mark Wojna (LLOX), Yvette Roussel (Northshore Food Bank), Charlie Miller (OCSBBS.com), Ginger Kunkle (Northshore Food Bank), Diane Mayo (PLANO Administrator)

The NOGS/PLANO/SPWLA Golf Tournament was held Monday, October 2, 2023. The joint effort from all 3 organizations raised a total of \$8,184.86 for the Northshore Food Bank and presented a check to them at a luncheon on Monday, November 13, 2023.



DRILL BITS

OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES BY AL BAKER



During October 2023, the **Bureau of Safety and Environmental Enforcement (BSEE)** approved 83 Gulf of Mexico (GoM) drilling permits. Thirteen of the permits were for shelf wells, and the remaining 70 permits were for deepwater wells. There were 2 new well permits issued in deepwater.

The deepwater new well permits were for 2 exploration wells. **Shell Offshore** received an exploratory well permit for their Mississippi Canyon 801 #1 well. The location of the well is immediately east of the Gladden discovery made in 2019 by W&T Offshore. **Union Oil Company of California (Chevron)** obtained an exploratory well permit for their Walker Ridge 677 #PS-8 well. This well is located adjacent to Chevron's St. Malo Field.

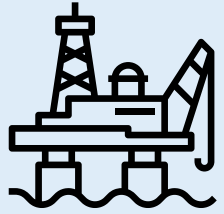
On October 27th, **S&P Global Petrodata** indicated that the GoM mobile offshore rig supply stood at 50, which is 1 more than last month. The marketed rig supply consisted of 37 rigs, of which 31 were under contract. The marketed rig supply and the contracted rig supply numbers are each 1 more than last month. The marketed contracted versus total rig supply utilization rate stood at 74%, and the marketed contracted versus marketed supply utilization rate stood at 83.8%. By comparison, the October 2022 total fleet utilization rate stood at 74.4% with 35 rigs under contract out of the 47 rigs in the fleet.

On October 27th, **Baker Hughes** reported that there are 22 active mobile offshore rigs in the GoM, which is 4 more than last month and 59.5% of the rigs under contract mentioned above. Currently, 1 rig is drilling on the shelf, and 21 rigs are drilling in deepwater. The shelf rig is located in the South Timbalier Area. The deepwater rigs include 7 rigs in the Mississippi Canyon Area, 4 rigs in the Green Canyon Area, 3 rigs each in the Keathley Canyon and Alaminos Canyon Areas, 2 rigs in the Walker Ridge Area and 1 rig each in the Garden Banks and Ewing Bank Areas.

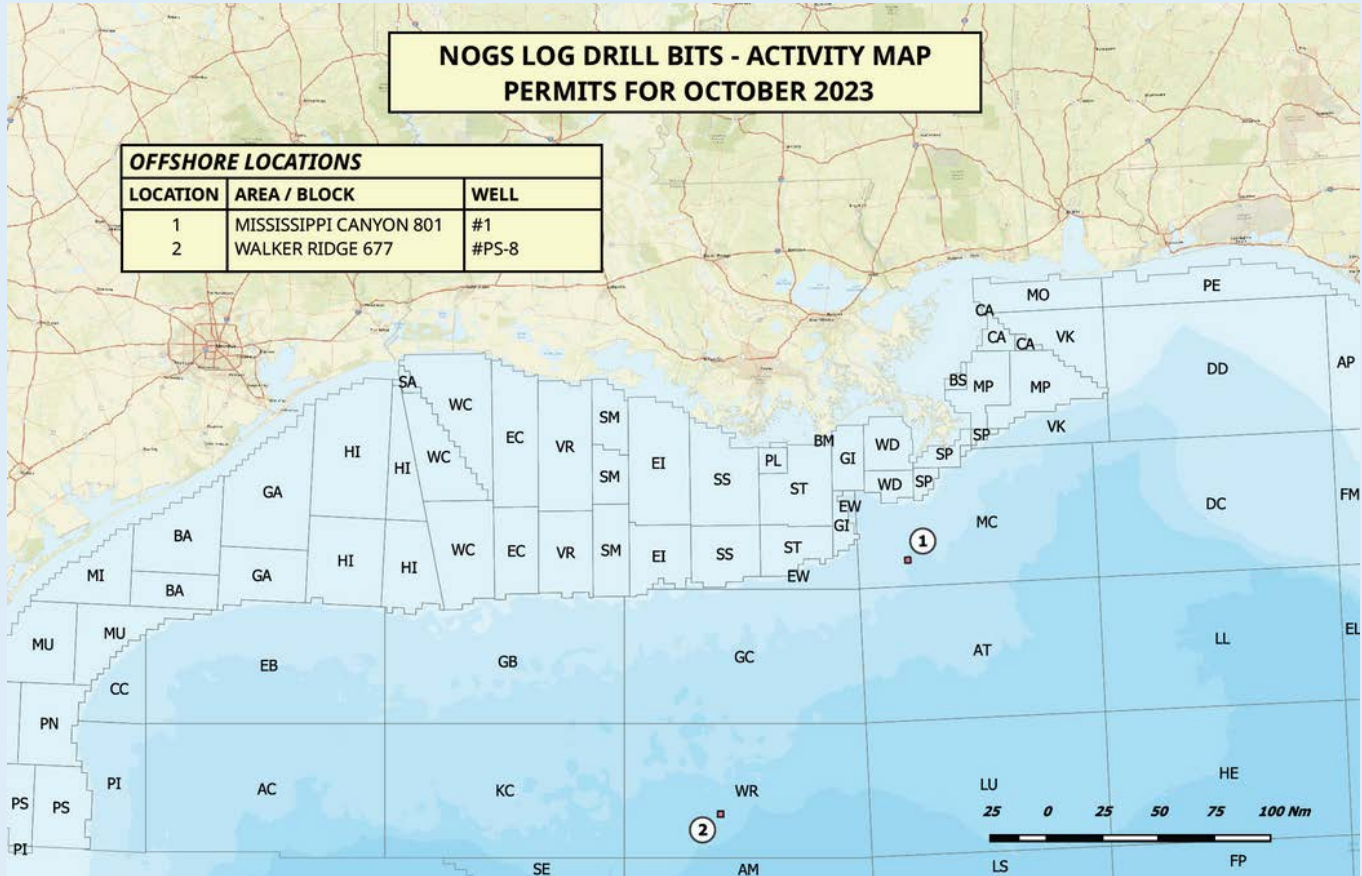
On October 27th, the **Baker Hughes** total U.S. rig count stood at 625 rigs, which is 2 more than reported at the end of September 2023. Of the 625 rigs, 504 (80.6%) are oil rigs and 117 (18.7%) are gas rigs. Four rigs are listed as miscellaneous. A year ago, there were 768 rigs working in the U.S., inferring that the 143 rig decline represents an 18.6% decrease in rigs year over year. As usual, Texas continues to have the largest number of rigs with 311, which is 49.8% of the total number of rigs in the U. S. Louisiana currently has a total of 42 rigs, which is 1 less than last month. Louisiana ranks third behind New Mexico, which has 100 rigs.

On October 26th, the **U.S. Court of Appeals for the Fifth Circuit** has ordered another delay for OCS Sale 261 that was originally scheduled for September 27, 2023 and rescheduled for November 8th. The court will decide on the dispute over the BOEM's plan to exclude over 6 million acres from the sale in order to protect the endangered species, Rice's whale, and the added shipping restrictions resulting therefrom. Oral arguments at the Fifth Circuit are scheduled for November 13th.

DRILL BITS



NEW WELL PERMITS OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES MAP BY KEVIN TROSCLAIR



Recent Energy Headlines

November 2023 Recap

11/2/2023 - Running low: US strategic oil reserve reaches lowest level in decades - Over 200 million barrels of crude oil have been pulled out by President Joe Biden since the beginning of last year — around 40% of what was stored. There are always a lot of stories about the price of gasoline, how it impacts your wallet and how it may impact your holiday travel. But the truth is, the story about the price of gasoline is also about politics because high prices can impact elections and can hurt economies. Things like hurricanes, high temperatures, and production in the Middle East and U.S. Midwest are all factors that can impact the price of gas. [Read Full Article](#)

11/3/2023 - Shell posts \$6.2 billion profit for third-quarter 2023 - Shell plc had third-quarter 2023 adjusted earnings of \$6.2 billion, up from \$5.1 billion in second-quarter 2023, reflecting robust operational performance and higher oil prices and refining margins. However, the figure decreased year-over-year. This figure represented a notable decrease from the \$9.45 billion reported one year earlier, when the Russia-Ukraine conflict boosted oil and gas prices. The company will implement a \$3.5-billion share buyback program for the next 3 months. [Read Full Article](#)

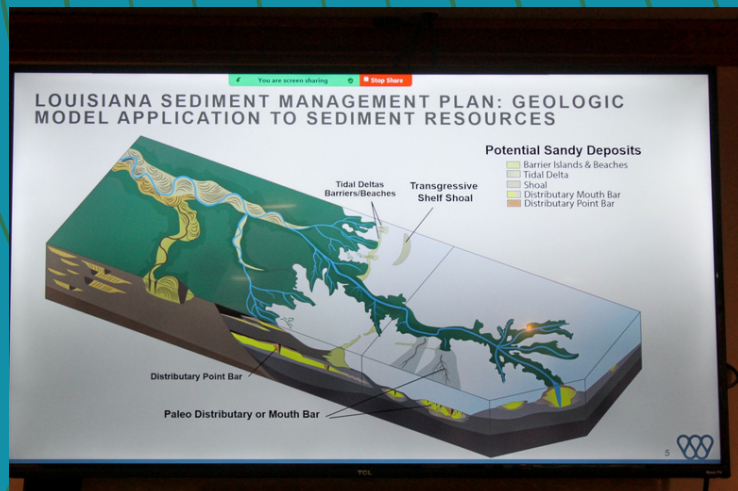
11/14/2023 - IEA raises oil demand growth forecasts, flags possible 2024 surplus - The International Energy Agency (IEA) on Tuesday raised its oil demand growth forecasts for this year and next despite slower economic growth in nearly all major economies, although its 2024 outlook remains much lower than that of producer group OPEC. The Paris-based IEA said the market could shift into surplus at the start of 2024 having been kept in a "significant deficit" through year-end by voluntary cuts from Saudi Arabia and Russia which last until the end of December. [Read Full Article](#)

11/15/2023 - Australia's Karoon Energy to buy stakes in LLOG's offshore assets for \$720 mln - Nov 16 (Reuters) - Karoon Energy (KAR.AX) announced deals worth \$720 million on Thursday to buy stakes in certain offshore oil and gas fields in the Gulf of Mexico from U.S.-based LLOG Exploration, in a move to diversify operations beyond Brazil and Australia. The oil and gas explorer said it would raise around A\$480 million (\$312.43 million) to fund a 30% stake purchase in the Who Dat and Dome Patrol fields in offshore Louisiana and a near 16% stake buy in the Abilene field. [Read Full Article](#)

11/16/2023 - Oil and Gas Lease Sale 261 Scheduled for Dec. 20, 2023 - As a result of the order issued by the United States Court of Appeals for the Fifth Circuit on Nov. 14, 2023, the Bureau of Ocean Energy Management (BOEM) has scheduled Lease Sale 261 for Dec. 20, 2023. The Gulf of Mexico oil and gas lease sale was originally scheduled for Sept. 27, 2023, and later scheduled for Nov. 8, 2023, in response to judicial orders. Pursuant to direction from the Court, BOEM will include lease blocks that were previously excluded due to concerns regarding potential impacts to the Rice's whale population in the Gulf of Mexico. BOEM will also remove portions of a related stipulation meant to address those potential impacts from the lease terms for any leases that may result from Lease Sale 261. [Read Full Article](#)

NOGS November Luncheon Photo Recap

with Dr. Mike Miner of The Water Institute on “Applying Source-to-Sink Geologic Concepts to Develop Regional Coastal Management Strategies”



November 8, 2023



AAPG



Calling for donations for the upcoming **AAPG Caughey-Zimmermann Energy Library**

LSU AAPG is developing a library that will provide a **wealth of valuable resources** to students. Our goal is to foster a **collaborative environment** where students can **explore** topics in petroleum geology, **empowering** them to **pursue careers** in the energy sector... ***BUT WE NEED YOUR HELP!***

How can you support us?

- ✓ Physical book donations
- ✓ Digital book donations
- ✓ Monetary donations

ALL donors will receive **recognition** in the library!

Donations over **\$150** will receive an **award!**

Follow the link to
learn how to
donate!

**[https://bit.ly/3
WfLuGa](https://bit.ly/3WfLuGa)**



CALL FOR SPEAKERS!

**Have a great topic that you
would like to present to NOGS
Members at a Monthly
Meeting?**

**Submit your topic and
presentation for our Program
Committee to review**

[CLICK HERE TO SUBMIT](#)



NOGS Memorial Foundation 2023 Scholarship Award Recipients



Pictured, left to right: Cirus Kalugana, Mikey Sison, Doug Bradford, Kayla Willis, and Emily Krauss



Pictured, left to right: Michael Barnard, Doug Bradford, and Mustuque Munin



THE UNIVERSITY of
NEW ORLEANS

Pictured, left to right: Katelyn Merrill, Emily Mailhos, Doug Bradford, and Donald Davidson





EDUCATION SPOTLIGHT: An Overview of UNO's Earth & Environmental Science Program

by Dr. Mark Kulp

Earth & Environmental Sciences Department Chair, University of New Orleans

Greetings to the NOGS community from the UNO Department of Earth and Environmental Sciences (UNO- EES)! Your interest and support is widely recognized and we hope that this note provides a glimpse of what is happening for the students and faculty of our Department.

Despite the obvious challenges of the last several years, we have many positive things to report at this time. EES continues to have a vibrant undergraduate and graduate program with students finding positions at BOEM, LADEQ, LADNR, USGS, LACPRA, Water Institute of the Gulf, local and national companies, graduate programs, and leadership roles in NOGS!! The list of successes from our Department is long, and if anyone wants to know more, just let us know. We also have many significant contributions to report by our faculty. I will try to outline a bit of our academic progress as well as our faculty and research progress. Our 2023 newsletter provides many more details of Departmental accomplishments of the last several years. Just let us know if

you would like one, and we will be sure to send it!

As many of you know the UNO has a long history of supporting and furthering earth science education. First started as the Department of Geology, then evolving to Geology and Geophysics and then the Department of EES as a Board of Regents-approved program of study in 2006. Since 2005 we have seen a reduction in faculty numbers from pre-Katrina days but have many positive faculty additions that support our overall earth and environmental science goals. Interestingly and importantly, we have not seen a regular and significant reduction in UNO-EES majors during the last decade. The number of students in our graduate program has dwindled, but that is of little surprise because of the reduction in our faculty numbers who can mentor graduate students.

The academic program revisions we started in 2004 to create the 2006 EES program provided students an opportunity to tailor their academic pathway into





Louisiana GeoNews

A New Orleans Geological Society Publication

DECEMBER 2023

specific earth science fields. All students are currently required to take a core set of seven courses, with the remainder of their academic sequence able to be modified to best support their professional goals. Some students choose to focus on topics such as structural geology with the intention of entering the petroleum fields. Others are more interested in topics such as natural resource management or estuarine studies in the coastal science fields. Some students take a mixture of both areas and graduate with an understanding of depositional systems, stratigraphy, and coastal ecosystems required for efforts such as finding sediment resources for barrier-island sediment re-nourishment efforts.

We have found, however, that our curriculum still needs revisions to meet the ever-changing needs of our students and the many earth science-related questions that face society. Consequently, we are in the process of revising our curriculum with the hope of having that approved for incoming fall 2024 students. The new curriculum we hope will provide even more flexibility for students to map their professional and academic interests, as well as a curriculum that is more well-supported by the expertise of our current faculty. It also introduces a new suite of core course requirements, one new course that is relevant to modern times, and one new laboratory that we feel provides all

earth science students with a relevant scientific background.

At the moment we have two full professors, two assistant professors, and one full-time instructor position. Although it is not a complete summary the EES faculty expertise covers sedimentology, stratigraphy, tectonics, coastal ecosystems, hydrodynamics, crystalline rock geology, mineralogy and sediment transport modeling. Overall we provide a faculty and academic program grounded in the fundamentals of earth science, earth systems and our societal relationships to the earth around us.

This past year Dr. Mahon led a colossal effort (with members of the UNO Pontchartrain Institute of Environmental Sciences (PIES)), to receive a \$568k capacity-building grant from the LA Board of Regents. These state-awarded grants are highly competitive. The award will contribute significantly to creating a network of field instrumentation that provides information on waves, currents, salinity, turbidity, and chemistry of the Lake Pontchartrain Basin. An important component of this project is the link it has to the Pontchartrain Institute for Environmental Science (PIES) Environmental Education Program with the opportunity to educate local and national groups on earth science topics.





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DECEMBER 2023

CURRENT RESEARCH

Dr. **Maddy Kelley** (2023 ASU, now a post doc at UNO) is working with **Dr. Mahon** in his EES and College of Engineering flume lab on linking turbulence, sand particle motions, and dune topographic evolution. Her research goal is to better quantify how river dunes form in three-dimensionally to create stratigraphy. This is not a trivial question in light of efforts to build new land in coastal systems subject to uncontested relative sea level rise of this century and the future.

Dr. **O'Connell** and co-P.I. **Meg Uzee O'Connell** are currently focused on Barataria Terrebonne National Estuary Program (BTNEP)-supported research to understand how tilapia (*Oreochromis* sp.) were impacted in 2009 in Plaquemine Parish during the application of rotenone to quell the invasive impact of this species.

Alia Jones (M.Sc. student) working with Dr. O'Connell is studying how Bayou St. John fish assemblages react to multiple environmental impacts such as invasive species and regular openings of floodgates. **Mary Sitter** (M.Sc. student) is comparing microplastic content of fishes collected from different estuaries.

Dr. Maddie Foster-Martinez is currently working diligently on environmental engineering-based modeling studies and

all things coastal. Some of her focus has recently been on producing validating results for the model runs of the 2023 Louisiana Coastal Master Plan. If you are not aware, since the inception of the concept of a Louisiana Coastal Master Plan, UNO EES has been significantly involved in the effort. The introduction of Dr. Foster-Martinez to the EES faculty contributes significantly to UNO involvement in the Plan. Some of her specific contributions include quantifying mangrove health and erosion control at areas in Louisiana that have been "restored", documenting the development of sediment flocculation in wetland and estuarine environments to establish a better model of sedimentation as it relates to sediment diversions and general aspects of global estuarine sedimentation dynamics, and the creation of graphics to communicate sediment transport research and understanding to land managers of San Francisco Bay, which is, despite an uplifting coastline, still experiencing coastal and environmental change dynamics.

Dr. Mark Kulp has had a long-standing interest in modern-day coastal processes as well as late Quaternary stratigraphy. Recently students have investigated, in collaboration with Dr. Nancye Dawers (Tulane), University of Louisiana Lafayette Dr. Rui Zhang (ULL), and Dr. Kevin Yeager (University of Kentucky), whether the distribution of modern





Louisiana GeoNews

A New Orleans Geological Society Publication

DECEMBER 2023

modern northern Gulf Coast subsidence patterns coincide with observable fault trends. Importantly, NOGS members such as Chris McLindon have been instrumental in securing industry seismic data that enables deep-seated structural features to be mapped to the near surface to evaluate whether these relationships exist. Dr. Kulp continues to support the Louisiana coastal zone protection efforts. In the last few years and during the next couple of years, he will support LACPRA efforts to document changes in sediment textures along the coast of Louisiana.

Dr. Melanie Stiegler continues to provide exceptional instruction within EES to more than 500 UNO students annually within our highly-ranked introductory geology and environmental science courses, as well as our upper level mineralogy and petrology courses. Dr. Stiegler also provides an important contribution to the University and State as a member of the Louisiana Board of Professional Geologists.

Mr. Brad Robinson, retired from Shell, has been for years now a steadfast gratis appointment in the Department. Without question, he has offered untiringly his industry expertise to our students and developed remarkable coursework in geophysics, stratigraphy and seismic interpretation. Several years ago he offered to develop an unbiased approach

to the complexities of understanding climate change science, titled the Science of Climate Change. He has offered these courses consistently for years without compensation, solely on the basis of his own gratification from seeing students develop an understanding of earth science and his own desire to further his understanding of our earth history.

I hope this very limited overview of the UNO-EES Department has been worth your time in reading and provided an overview of the program, students, and faculty within EES. It is far from exhaustive and we urge you to take a look at our 2023 newsletter to better understand what is happening in EES, as well as to get in touch if you would like more information. It goes without saying that any support from the NOGS community in the form of internships, employment, donations and overall connections is very welcome. If anyone reading this and is interested in acquiring EES office space or access to our programs, we are always open to such inquiries and benefits to our students.

We welcome all input from the NOGS community so that we can continue to provide a high-caliber research-based education.





Norris Conference Center

SCHOOL OF ROCK EXPERT GEOSCIENCE WITH A SOUNDTRACK

YOUR OPPORTUNITY TO SUPPORT LOCAL GEOLOGICAL COMMUNITIES

Our "School of ROCK, Expert Geoscience with a Soundtrack" themed conference will be one of the most relevant conferences in the Gulf Coast. "GEOGULF 2024" will be the 73rd Annual Meeting of the Gulf Coast Association of Geologic Societies and the Annual Gulf Coast AAPG Section Meeting. We will continue advancing subsurface exploration and research by expert professionals, young professionals and outstanding students. The technical program and vendor exhibits will encompass all subjects necessary for a prosperous future. Potential sessions include petroleum exploration (onshore, offshore, conventional and unconventional), critical minerals, AI/Data, hydrology, environmental/engineering and subsurface storage. The audience includes multinational corporations, small companies and independents. We anticipate meeting with 300-500 attendees. We are also planning unique events that should provide extra opportunities to be recognized. Publicity for Sponsors will be on our website, at the venue and via an unprecedented media presence.

POTENTIAL TECHNICAL SESSIONS

- Petroleum Exploration with Case Studies of Fields, Plays and Basins along the Gulf Coast
 - Onshore
 - Offshore
 - Conventional
 - Unconventional
 - Caribbean, Mexico
- Critical Minerals
- AI/Data Science and its Future with Geosciences
- Environmental Geology and Engineering
- Carbon Capture and Sequestration
- Seismic Imaging and Data Analytics
- Hydrology
- Geothermal

CONFERENCE HIGHLIGHTS


- Geologic Field Trips
- Short Courses
- Technical Sessions
- Networking Events

Please consider supporting this non-profit event that supports local geological communities! Sponsorship information below.

GENERAL SPONSORSHIP LEVELS

LEVEL	AMOUNT	Transactions Ad	Complimentary Registrations to Entire Convention	Complimentary Passes to All-Convention Luncheon	Company Logo on Scrolling PowerPoint	Company Logo in Convention Program Book	Company Logo on Signs at Registration and Exhibit Hall Entrance	 Announcement on LinkedIn
Diamond	25,000+	2-page Composite Landscape, bleed, color	5	4				Listed as "DIAMOND"
Emerald	20,000+	2 Page Portrait, bleed, color	4	3				Listed as "EMERALD"
Platinum	15,000+	Portrait full page, bleed, color	3	2				Listed as "PLATINUM"
Gold	10,000+	Portrait full page with margins	2					Listed as "GOLD"
Silver	5,000+	Landscape ½ page with margins	1					Listed as "SILVER"
Bronze	2,500+	Portrait ¼ page						Listed as "BRONZE"
Copper	1,000+	Logo only						Listed as "COPPER"
Patron	500+	Name only						Name as "PATRON"
Friend	100+	Name only						Name as "FRIEND"

www.geogulf2024.org

 <https://www.linkedin.com/in/south-texas-geological-society-7a3656218/>

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CALL FOR ABSTRACTS!

Link to submit on www.geogulf2024.org

Deadline December 15, 2023



Win Dr. Shaley's Squier Guitar!!!

To enter you must submit an abstract by Dec. 15th and if it's accepted you will be included in a drawing at the 73rd annual GCAGS GCSSEPM Geogulf 2024 Conference themed, "SCHOOL OF ROCK, Expert Geology with a Soundtrack" in San Antonio on Friday afternoon on April 12! (Must attend and be present to win) We look forward to seeing everyone at our premier professional research and networking event. Good luck!

GEOGULF2024

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10-12 APRIL 2024

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Proposed Sessions



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Deep-water prospects of the onshore
New things to old fields in deep-water stratigraphic intervals
ML and AI to accelerate Gulf Coast development
Session hosted by the Pet. Structure and Geomechanics Div. (AAPG)
Eagleford and the Austin Chalk: Gifts that keep on giving!

Geologic carbon storage on the Gulf Coast (BEG GCCC)
Critical metals (and Lithium) exploration value chain
Session hosted by the Energy Mineral Division (AAPG)
East Texas petroleum exploration
University-industry collaboration, hydrology, geothermal,
"The Business of Petroleum", and many others!

Abstract Submissions: Abstract submission closes December 15, 2023. Visit geogulf2024.org to learn more about where to submit abstracts, guidelines, and attending **GeoGulf2024**.

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www.geogulf2024.org
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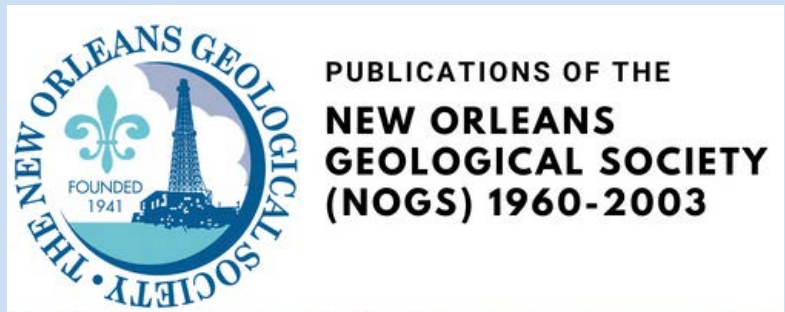
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