Hello All. I have been constantly looking at the 14 day weather outlook recently in hopes of seeing a cool down coming and some rain. The tropics have been active with Hurricane Dorian devastating the Bahamas and multiple tropical storms popping up near the Gulf of Mexico.

The current price of oil has jumped 12% and gas almost 3% due to the Yemen’s Houthis rebels recent drone attacks on the world’s largest oil processing center and a major oil field in Saudi Arabia. It knocked half of its oil supply offline, and President Trump authorized releasing oil from the national reserve. I guess we will see, in time, if this rise in price is short or long term.

I would like to remind all of you about 2 upcoming events that you have the opportunity to attend and volunteer your time. The first is the Red River Revel coming up September 28 – October 6. The Mock Dig is always a favorite for the kids and maybe the start to a career in geology, so please take time to encourage them. The other event is the 69th GCAGS Annual Convention or GEOGULF 2019 being hosted in Houston October 23-25. I hope to see you there.

Lastly, I would like to thank all the sponsors, course cooks, players, and committee members for helping put on the 26th ALTAPL/SGS Golf tournament in September. We had a morning flight with 9 teams and an afternoon flight with 29 teams. We finished the evening off with food, drinks, and prizes.

Cody Lenert
**Faithful Friends 2019 - 2020**

<table>
<thead>
<tr>
<th>Ralph Richardson</th>
<th>Mike Rogers Drilling Company, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matthew Chumley</td>
<td>Geological Drafting Consultants, Inc.</td>
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<tr>
<td>David Billingsley</td>
<td>Bivins Energy Corporation</td>
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<td>Alan Schlichtemier</td>
<td>Craig C. Barclay</td>
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<td>Maurice Birdwell</td>
<td>Earl Raborn</td>
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<td>Louise Pearce</td>
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<td>Arthur H. Trowbridge</td>
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<td>ALTECT Environmental Consulting, LLC</td>
<td>Donner Properties, LLC</td>
</tr>
<tr>
<td>William Downs</td>
<td>David Williamson</td>
</tr>
<tr>
<td>Zach Gray</td>
<td>John Watkins</td>
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<tr>
<td>Mark Schroeder</td>
<td>Hill Geophysical Consulting</td>
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<tr>
<td>Stratagraph, Inc.</td>
<td>Cypress Operating</td>
</tr>
<tr>
<td>Bill Meaney</td>
<td>Scott D. Stroud</td>
</tr>
<tr>
<td></td>
<td>Johnnie P. Wanger</td>
</tr>
</tbody>
</table>

To be a Faithful Friend for 2019-2020, please contact Zach Gray.

---

**Invest in the Future**

You can **donate** to the SGS Scholarship Fund online at [SGS1.org](http://SGS1.org) or by writing a check to the SGS with “Scholarship” in the memo line, and you may include an **“in memory of”** or **“in honor of”** note as well.

Mail to: Shreveport Geological Society, P.O Box 750, Shreveport, LA 71162.
Calendar of Events

View this interactive calendar at [SGS1.org](http://SGS1.org)

**September 28 – October 6**
Mock Dig at the Red River Revel. Volunteers needed.

**October 11**
RSVP for the Monthly Meeting

**October 15**
Monthly Meeting: Jacob Jin presents "Mature Field Revitalization and Unconventional EOR - Unlock Reservoir Value with Advanced Bio-Chemical Technology"
11:30 a.m. - 1 p.m.; Petroleum Club 15th Floor

**October 23 - 25**
GEOGULF19 (formerly known as GCAGS Convention)

**April 17, 2020**
Annual Geology and Wine Dinner Meeting

**On the Cover:** Little Skellig Island, Ireland, photographed by Matthew Williamson. More info on page 13. Got a picture you want to see on the cover? Email it to the editor today!


**Contact the Newsletter Editor:** [1RachelMcNerney@gmail.com](mailto:1RachelMcNerney@gmail.com)
Hill Geophysical Consulting

Kevin B. Hill
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Seeking Opportunities in Texas, Louisiana, Arkansas, Mississippi, and New Mexico
The October Meeting
Make your RESERVATION

Jacob Jin
presents
“Mature Field Revitalization and Unconventional EOR - Unlock Reservoir Value with Advanced Bio-Chemical Technology”

11:30 a.m. Tuesday, October 15
The Petroleum Club of Shreveport, 15th floor
Cost: $20, Children 10 and under $8

We encourage members to invite guests, spouses, and friends to any of our meetings.

If you’d like a seat, kindly RSVP by Friday, October 11 at SGS1.org, or email or call in your reservation to Matthew Chumley
mchumley@naguss.com • 318-222-0908

Name: ____________________________________________________________

I will bring __ guest(s):__________________________________________
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Dr. Jin has integrated industry, academic, management, and investment experience across Asia, America, and the Middle East. He has been dedicated to commercializing clean technology in the fossil industry, and industrializing clean energy. His investment portfolio includes biotechnology, geothermal energy, smart microgrid, hydrocarbon exploration & production, etc. He worked at BP America, Weatherford, and Blade Energy Partners, Energy & Geoscience Institute at the University of Utah. He has published 20+ papers in peer-reviewed journals and SPE conferences. Dr. Jin holds a Ph.D. degree in Petroleum Engineering from the University of Oklahoma.

Abstract

“Mature Field Revitalization and Unconventional EOR - Unlock Reservoir Value with Advanced Bio-Chemical Technology”

The latest advances of bio-chemical technology in petroleum industry will be shared by introducing field cases of production enhancement in Wyoming, Kansas, California, Texas, and Canada. As for the challenges of water breakthrough and paraffin deposition in mature fields, we will share some insights on the field development plan of improving waterflooding conformance and preventing the deposition of paraffin with advanced bio-chemical technology. The unconventional shale EOR pilots in the Permian Basin sponsored by the US Department of Energy will be discussed as well, and we are actively seeking for the leverage of Permian experience to Louisiana.
Photos from the September Meeting
by Brenda Pender

Gustavo Carpio presented “Ingrain Services: Optimized Rotary Sidewall Core Selection and Analysis.”
MILESTONE ENERGY, LLC

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Geologist / Managing Partner

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Zach McDonald
Geologist

Thomas A. Giles
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F: +1 281 879 0135

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Houston, TX. 77072 USA
Children’s View Gives Oil Humor

Children the world over have tremendous imaginations. In discussing petroleum, for example, a teacher is liable to get humorous and fanciful answers.

Here are some that were penned by U.S. nine-year-olds in a school examination. Some display keen insight, others include little known “facts”.

“The United States uses over 11 million barrels of petroleum a day, 11 million is bigger than the largest known whale.”

“Until it is decided whether petroleum is gasoline or oil, we must continue to call it petroleum.”

“Petroleum was formed millions of years ago. I believe that unlike what most people think, there were people around then. Or nobody could have named it petroleum.”

“To lessen the chances of drilling tools getting caught in the hole, rotary drilling is carried on around the clock, twelve days a week.”

“Before they actually start drilling, the land is cleared and graded. It is graded A-plus if it has oil in it.”

“When we take the oil from the ground and squeeze it up through the pipe, we call it liberating the oil. What the oil calls it is unbeknowest.”

“Attached to the lower end of the pipe is a bit. A bit of what is gone of the secrets of finding oil.”
R. LACY / CRAIN ENERGY
Oil and Gas Investments
Exploration and Development
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LONGVIEW, TX 75601
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Scott Caswell
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Eric Weiss
President
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Fax: (318) 227-2106
“I have found flame-jet drilling to be easier to say than to tell what it means.”
“The teeniest part oil can be divided into is the drop.”
“We say the cause of kerosene disappearing is evaporation. Evaporation gets blamed for many things people forget to put the top on.”
“Have you ever wondered how a wildcat could have anything to do with discovering oil? Well, I will explain to you that so have I.”

*******

Lots of people who aren’t being paid what they’re worth should be thankful about it.

*******

Hydrology – It takes 3 gallons of water to flush a toilet.

Got a question or idea for “From the Archives”? Email Annie Green at agreen@naguss.com.
Kingwood Exploration, LLC
Oil & Gas Exploration and Production

Kurt M. Ley
Exploration Manager & Partner

Robert E. Braswell
Engineering/Operations Manager & Partner

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Fax: 318-946-8287
kurt.ley@kingwoodexploration.com
robert.braswell@kingwoodexploration.com

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President

Donna Walker
Geologist

Barbara Lyles
Office Manager

OIL & GAS EXPLORATION
Tel: (318) 222-1066
Fax: (318) 222-4932
Mock Dig
September 28 – October 6

Sign up now to play in the dirt and inspire future geologists at this year’s Red River Revel!

Co-chair and other volunteers are needed.

Please contact Carrie Salinas:
csalinas@virtusenvironmental.com

Join our group on LinkedIn

Keep in Touch through the Shreveport Geological Society LinkedIn Group.

The rock kit is ready (pictured left).
E-mail Maps in Schools Chairman Matthew Chumley at mchumley@naguss.com to give a talk with the kit and present a geologic map to a class of future geoscientists.
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Geoscientist Licensing in Louisiana

Did you know?

When you attend a monthly Shreveport Geological Society meeting, you earn one hour of continuing education credit for your LBOPG license. This is a simple and enjoyable way to get your hours! You can also find links to continuing education ethics credit courses at https://sgs1.org/continuing-education/.

Ready to track your CE hours?

Visit the LBOPG website today to download your continuing education log template lbopg.org/resources/continuing-education

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Audits will be conducted randomly and/or as needed to confirm CE activities each year.

It is your responsibility to collect and maintain proof of attendance and completion of CE activities in case an audit is called.

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This form was intended to be a one (1) letter size page, i.e. one (1) years record of CE activity or 15 PDH.

It is recommended that additional data be entered into a second (or third, etc.) worksheet in this spread sheet workbook.

An entire (blank) form can then be copied into the new worksheet and the sheet tab named as the report year.

This workbook has two (2) new sheets included as examples so you can start the process of recording your CE activity.
Baldwin Madden Energy, LLC

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Christopher D. Franks
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Lonnie J. Shaw
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anthony@spanoil.com

ANTHONY J. SPANO
PRESIDENT
Texas Permits

Monthly Permits – August 2019
Provided by ABCD GIS Mapping

AppDate  API  Operator  County  Purpose  TD
8/1/19  34733407  EAGLE VALLEY DEVELOPMENT LLC (238737)  NACOGDOCHES  New Drill  15000
8/1/19  34733406  BP AMERICA PRODUCTION COMPANY (040798)  NACOGDOCHES  New Drill  19500
8/2/19  18331644  TRIVIUM OPERATING, LLC (871168)  GREGG  Recompletion  11000
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8/6/19  20332147  SHERIDAN PRODUCTION COMPANY, LLC (775854)  HARRISON  Recompletion  9700
8/7/19  18331721  DALLAS PRODUCTION, INC. (197690)  GREGG  Recompletion  8905
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8/12/19  36538425  ROCKCLIFF ENERGY OPERATING LLC (722890)  PANOLA  New Drill  12000
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8/12/19  41931811  XTO ENERGY INC. (945936)  SHELBY  New Drill  21500
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8/12/19  20335324  COVEY PARK RESOURCES LLC (182848)  HARRISON  New Drill  11500
8/12/19  6730826  BROOKS PETROLEUM COMPANY (097323)  CASS  New Drill  12500
8/13/19  36538404  ROCKCLIFF ENERGY OPERATING LLC (722890)  PANOLA  New Drill  12000
8/13/19  6730827  STETSON PETROLEUM CORP. (819479)  CASS  New Drill  10700
8/14/19  36532993  SHERIDAN PRODUCTION COMPANY, LLC (775854)  PANOLA  Recompletion  8035
8/15/19  36538492  R. LACY SERVICES, LTD. (687208)  PANOLA  New Drill  12000
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8/16/19  40133474  CCI GULF COAST UPSTREAM LLC (120027)  RUSK  Recompletion  11065
8/19/19  36538513  PINE WAVE ENERGY PARTNERS OP, LLC (665648)  PANOLA  New Drill  10716
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8/30/19  41931809  AETHON ENERGY OPERATING LLC (008555)  SHELBY  New Drill  12600

See map and Louisiana Permits on following pages.
See Louisiana Permits listed on following page.
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BEN ROBINSON
Petroleum Geologists

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Autie T. Orjias
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Ryan Q=Petersen
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Dean Giles
Secretary/Treasurer

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Marketing contact:
Layne Williams
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# Monthly Permits – August 2019

*Provided by ABCD GIS Mapping*

## Louisiana Permits

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E-mail: rmcgowen@coutret.com

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jsaye@prodigy.net

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Petroleum Geologist

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MS RPG #0097
LA CPG #345
Jwhite1362@aol.com
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Oil & Gas Development

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Fax: (318) 221-3488
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Stephen C. Cowgill
Geologist/Managing Partner

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26
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Fax: +1.903.939.8907
Mobile: +1.903.530.4016
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www.weatherford.com

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(318) 222-0799 Fax

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a GE company

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Morris Nichols
Gary Abrams
John Stroud
Geologists

Joseph H. McDuff
Geologist
351 Chapel Loop
Mandeville, LA 70447
985.845.9430
jmcduff@bellsouth.net
October 23-25, 2019 Houston, Texas
69th Annual Convention
Gulf Coast Association of Geological Societies
and Gulf Coast Section of SEPM

ANNOUNCEMENT

Spread the news!
Please share with your colleagues!

REGISTER NOW AT:
2019.gcagshouston.com
Hosted by the Houston Geological Society

Pre-Registration Discount Deadline:
September 19

QR Code Link to Convention Website
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LA-PG
AAPG-CPG
Welcome

The Houston Geological Society is proud to host the 69th annual GCAGS Convention. Now called GeoGulf, this popular convention remains a joint presentation by the Gulf Coast Association of Geological Societies (GCAGS) and the Gulf Coast Section of the Society for Sedimentary Geology (SEPM). Join us in Houston, TX on October 23-25, 2019 for the inaugural GeoGulf 2019 Houston.

The Exhibition

The Exhibit Hall will be the host area for a number of events, there will be plenty of opportunities to explore all that the exhibitors have to offer, see old acquaintances, and forge new ones.
- The traditional icebreaker cocktail party held on Sunday in the Exhibit Hall;
- The President’s Reception will be held in the Hall from 4:30 pm to 6:00 pm on Monday; and
- Breakfast items and extended breaks in the morning and afternoon oral sessions will permit in-depth discussions with the poster presenters.

Show Hours:
Wed, October 23 (Icebreaker) .......... 6:00 pm-8:00 pm
Thurs, October 24 ......................... 8:30 am-6:00 pm
Friday October 25 ........................ 8:30 am-1:00 pm

Interested in Exhibiting?
Space is still available. For more information please contact Justin Vandenbrink, Exhibit Committee Chair (Justin.Vandenbrink@tgs.com) or Mike Erpenbeck, General Chair (mike.erpenbeck@hotmail.com).

Sponsorship Opportunities
Various levels of sponsorship are available. Enhance your firm’s visibility to Gulf Coast geoscientists and their companies while contributing to the ongoing viability of GeoGulf. For further details, Contact Steve Brachman, Sponsorship Coordinator (SBrachman@WepliEnergy.com) or Mike Erpenbeck, General Chair (mike.erpenbeck@hotmail.com).

Registration

REGISTER NOW AT: 2019.gcagshouston.com

Industry Professional (Early Bird through Sept. 19) ................... $300.00
Industry Professional (After Sept. 19) .......................... $375.00
Student (Valid Student ID required on site) .................. $60.00
*Student volunteers completing work assignments will be refunded their registration fee.

Registration includes: technical program, icebreaker, admittance to exhibit hall, happy hour on Monday and Tuesday.

Wednesday, October 23:

Short Courses and Bus Tour
Includes Buffet Luncheon

Short Courses 8:30 am to 5:00 pm at the Westchase Marriott (unless noted otherwise)
Tour Bus to the Houston Museum of Natural Science, 9:00 am-4:30 pm

SC 01: The Exploration Process After Drilling a Discovery
Fred Schroeder
Cost: $250 (8:30am-5:00 pm)

SC 02: Understanding Deepwater Clastic Facies
John Dribus
Cost: $195 (8:30 am-5:00 pm)

SC 03: Fundamentals of Deepwater Stratigraphy and Reservoirs
Jon Rotzien, Basin Dynamics
Cost: $195 (8:30am-4:00 pm)

SC 04: Principles of Paleogeographic Evolutionary Synthesis (sponsored by GCSEPM)
James Pindell, Tectonic Analysis, Ltd.
Cost: $195 (8:30 am-4:00 pm)

SC 05: Introduction to Machine Learning for Interpreters (Half Day)
Rocky Roden, (Rocky Ridge Resources, Inc)
Cost: $95

SC 06: Creativity for Geoscientists: Insights, Development and Practice (Half Day)
William (Bill) Fairhurst and Charles A. Sternbach
Cost: $95
SC 07: Advanced Analytics – Understanding the Powers and Pitfalls of Multivariate Statistics for Upstream Oil & Gas
Andrew Silver, Adnet LLC
Cost: $95
SC 08: Core Workshop: Upper Cretaceous Stratigraphy and Reservoirs of Texas and Louisiana
William A. Ambrose and Robert G. Loucks (BEG) (8:30 am-4:00 pm). This class will be at the BEG Core Facility, 11611 W Little York Rd, Houston
Cost: $195
SC 09: Introduction to Petrophysics
Randy Mitchell (PSI)
Cost: $95 (8:30 am-4:00 pm)
SC 10: Reservoir Fluids Behavior and Analysis for Earth Scientists (half day)
Toddy Guidry, Core Lab
Cost: $95
SC 11: A User’s Guide to Micropaleontology and Biostratigraphy: Applications in Research and Industry (sponsored by GCSEPM)
Thomas D. Demchuk, Ryan Weber, Rebecca Hackworth
Cost: $95 (8:30 am-4:00 pm)
SC 12: Reservoir Modeling and Production Forecasting
W. Scott Meddaugh, Professor, McCoy College of Science
Cost: $195 (8:30 am-4:00 pm)

Wednesday Evening
Opening Ceremony, Icebreaker, Student Poster Sessions
4:30 pm GeoGulf Convention Opening Ceremony
6:00 pm Exhibit Hall Icebreaker and special exhibits
6:00 pm Student Poster Sessions till 8 pm.

Thursday, October 24
7:00 am Speaker and Poster Presenters Breakfast
7:30 am AAPG House of Delegates Breakfast
7:30 am Student Posters on display till noon

Thursday Morning Sessions
• Energy Vision 2020 and Beyond- with Scott Tinker, Charles Sternbach
• Environmental Geology and Water Resources
• Understanding GOM and Offshore Mexico Plays
• Wilcox-Yegua-Vicksburg Onshore Conventional Plays

BE A JUDGE! VOLUNTEERS NEEDED!
Your feedback in awarding oral and poster presenters is important. Please contact Sandy Rushworth/David Risch at (sandyrushw@aol.com).

Thursday Afternoon Sessions
• 1:00 pm – Professional Posters on display in the Exhibit Hall
• Giant Fields Deepwater GOM
• Data Analytics and Seismic Interpretation
• Understanding GOM and Offshore Mexico Plays II
• Eagle Ford-Haynesville-Austin Chalk
Exhibit Hall reception and Networking Dinner Exhibit Hall Features Sediments from Hurricane Harvey Art and Cores from the Bureau of Economic Geology.

Friday October 25
7:00 am Speaker and Poster Presenter Breakfast
7:00 am Women’s Networking Breakfast
8:00 am Professional Posters on display till 1 pm.

Friday Morning Sessions
• Business of Geology Panel Discussion
• After Harvey What Have We Learned?
• Integration of Seismic Processing, Gravity and Magnetics
• Global Deepwater Reservoirs I
AAPG DPA Luncheon
John Jordan, Jordan Consulting, “Ethics Lecture”
GCSEPM Luncheon
James Pindell, Tectonic Analysis, Ltd., “Mexico Tectonics”
Field Trip to Mason County early afternoon departure from the Westchase Marriott

Friday Afternoon Sessions
• Hurricane Harvey Art and Insights
• Discussion on Geo-Careers
• Rock Mechanics and Log Analysis
• Carbonate and Clastic Mega Regional Insights
• Global Deepwater Reservoirs II
Field Trips

**Friday-Saturday October 25-26**
Departures 8:30 am, return 4:30 pm other than Friday afternoon Mason County trip.

**FT 1: Hands on Geophysical Data Acquisition**
Dr. Robert Stewart
Cost: $175.00

**FT 2: World Class and Spectacular Late Cambrian Microbial Reef Outcrops in Mason County, Texas.**
(狈ady to Sunday)
Dr. Andre Droxler, (3 days, departs early Friday afternoon from WestChase Marriott)
Cost: $60.00

**FT 3: Upper Texas Coastal Barrier Dynamics: Observations Used in Digital Modeling,**
Dr. Jeff Nittrouer
Cost: $150.00

**FT 4: Surface Faults in West Houston,**
Carl Norman and Richard Howe (HGS)
Cost: $150.00

**FT 5: Visit the Hockley Salt Mine and Discover the Pleistocene Mega-Fauna Fossils from Northwest Harris County**
Ken Theis
Cost: $150.00

**FT 6: Artistic, Human Impact and Geologic Investigation of Hurricane Harvey’s Deposits Near Downtown Houston**
Jerry Kendall
Cost: $95.00 (half day)

**FT 7: Panther Creek Outcrops and Fossil Collecting**
Constantin Platon
Cost: $95.00 (half day)

Luncheons

**ALL CONVENTION LUNCHEON** (Thursday Oct 24)
“Exploration Courage”
John Seitz, Gulfslope Energy

**DPA LUNCHEON** (Friday Oct 25)
“Gray Areas: Interactive Application of Business Ethics in the Geoscience Profession”
John Jordan, Jordan Consulting

**GCSSEPM LUNCHEON** (Friday Oct 25)
“The Geological Evolution of Mexico”
James Pindell, Tectonic Analysis, Ltd.

Panel Discussions

**Business Panel**, Friday Morning Oct 25
Deal Trends, Investment Outlooks, Capital Flow

**Skills and Career Panel**, Friday Afternoon Oct 25
Skills Outlook, Career Assessment and Management
Industry leaders will lead discussion in both panels

Convention Hotel

**Houston Marriott Westchase**, 2900 Briarpark Dr
Located in west Houston Westchase Business District just Inside West Beltway 8
Large parking area and is FREE
Convention rate: $169/night; see link in Convention Website, 2019.gcagsahouston.com

Pre-Registration Discount Deadline:
September 19

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HOUSTON

**SEPM**
GULF COAST SECTION
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33
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Fill out and mail in this form or find it online at [SGS1.org](http://www.sgs1.org).

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**NAME** (Please Print) ____________________________

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**SPOUSE’S NAME** __________________

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**QUALIFICATIONS FROM BY-LAWS**

In order to be eligible for active membership, an applicant shall be engaged in the practice or teaching of geology or related sciences.

**To The Executive Board:**

I hereby apply for ☐ ACTIVE ☐ ASSOCIATE membership in SHREVEPORT GEOLOGICAL SOCIETY and pledge myself to abide by its Constitution and By-laws.

Date: __________ Signature: __________

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**Membership Committee**

Approved for: ☐ Active ☐ Associate ☐ Student

**Executive Board**

Approved: __________________ SECRETARY

Date: __________

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35
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<td><strong>Membership Directory</strong></td>
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<td><strong>Program</strong></td>
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<td>Anthony Spano</td>
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<td><strong>Website</strong></td>
<td>Rachel McNerney</td>
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<td><strong>Youth Activities</strong></td>
<td>Larry Frizzell</td>
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<td><strong>AAPG Delegate</strong></td>
<td>Mark Dunham</td>
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<tr>
<td><strong>Executive Assistant</strong></td>
<td>Annie Green</td>
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<td><strong>SGS Auxiliary President</strong></td>
<td>Susan Schroeder</td>
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**HONORARY MEMBERS**

- James D. Aimer
- William E. Bancroft
- Michael W. Beckman
- Orville Roger Berg
- B. W. Blanpied
- Prentis L. Boatner, Jr.
- Alan L. Brittain
- John Franks
- Victor P. Grage
- John C. Grunau
- J. Frank Harrell
- James B. Harris
- William E. Hayes
- Roy T. Hazzard
- Dr. Leo Hermann
- Kevin B. Hill
- Charles J. Hoke
- Perry G. Holloway
- Walter E. Hopper
- E. B. Hutson
- L. Lee Kincade
- Joseph O. Laird
- Paul Todd Landes, Jr.
- W. W. Lincoln
- William R. Meaney
- Clarence L. Moody
- John T. Palmer
- Thomas H. Philpott
- William M. Plaster
- Gene R. Robinson
- C. Lane Sartor
- Erwin W. Saye
- Fred R. Schroeder
- C. Ray Scurlock
- Walter H. Spears
- William C. Spooner
- George D. Thomas
- Arthur H. Trowbridge
- Henry J. Tyler
- Claude N. Valerius
- Warren B. Weeks
- Percy J. Wheeler, Jr.
- B. Ross White
- R. M. Wilson

( deceased)