



Shreveport Geological Society **NEWSLETTER**

Volume 57, No. 1

September 2017



Message from the President p. 1

Meet the Board p. 7

Quite a Crater p. 15

From the Archives p. 21

Meeting Survey p. 29

Membership Renewal Form p. 31

GCAGS 2017 Info p. 33



SGS1.ORG

Shreveport Geological Society

Officers and Board Members 2017-2018

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Board Member..... **Cody Lenert**
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Board Member..... **Zach Gray**
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Another summer has gone by and another school year kicks off, to the joy of parents everywhere and to the dismay of many students. Hopefully no dismay in our society, as we prepare for another year filled with great activities, lunches and speakers. By the time you're reading this, the solar eclipse will have passed without incident, and even though you'll have to wait seven more years to see one on the North American continent, we won't get bored.

As everyone is aware, oil and gas prices have rebounded off of their post-boom lows but show no signs of wanting to break out in the near future. Every time they start to climb they fall back, and vice versa. However, there are some bright spots out there, including the export of crude oil volumes topping one million barrels per day in April and May of this year. This is all the more remarkable since such exports were prohibited until January 2016. In that short time they have ramped up dramatically and show no signs of slowing. Ditto on the natural gas side, where one LNG terminal (as in the only one) has begun operating and is ramping up quickly. The Cheniere facility in Cameron Parish has sent 156 tankers and approximately ½ TCF of domestically produced LNG to eager customers in Europe, Mexico, South America and the Middle East. Keep in mind this is with three out of a planned six trains in operation and beginning in only February of last year. There are multiple other facilities currently being built and others are at various stages in the permitting process. The EIA

*Exports
have
ramped up*

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To be a Faithful Friend for 2017-2018, please contact Zach Kelly.

Invest in the Future

You can **donate** to the SGS Scholarship Fund online at 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.

forecasts that the USA could provide three TCF of gas to the planet on an annual basis in as little as four years.

Back to the SGS calendar. First up will be the annual golf tournament at East Ridge Country club on Friday, September 8. Thus far we have had great support from sponsors and team signups, but if you forgot to sign up by the deadline there may still be a place for you, so don't be afraid you missed it. Next up will be the Red River Revel, which occurs this year between September 30 and October 7. This annual event is fun for the whole family, and the Mock Dig is a favorite attraction of young rock hounds from all over the Ark-La-Tex. It is a great way to enjoy the Revel and be directly involved with the society. Volunteer signup sheets will be available on the website and at the monthly lunch, so please take the time to participate this year if you haven't in a while. Carrie Salinas can always use some extra help, so please reach out to her if you'd like to be more directly involved.

*Mock Dig
September 30 –
October 7*

Our first lunch meeting will feature Dr. Gary Kinsland of ULL, who will be discussing his research on the Chicxulub impact crater on the Yucatan peninsula. If this feature sounds familiar, then you should recall it is the impact which is believed to have sent the dinosaurs into the annals of history, thereby clearing the way for our rodent ancestors to emerge from their holes and dominate the planet. I know Dr. Kinsland from my time at ULL and know that it should be a lively and lengthy discussion. Lewis Billingsley will be handling the program this year, so please reach out to him if you have any ideas or would like to give a talk. I know there is interest in the society of seeing more of our own members present their work. Please remember to attend the lunches as these are the main social and

*Lunch Meeting
September 19:
The Chicxulub Crater
See page*

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educational components of the society and the best way for all of us to interact.

The annual GCAGS meeting will be held this year in San Antonio from November 1-3. The technical program is out and is good as always. Next year, Shreveport will be hosting, and we will likely be needing volunteers for that effort. We will keep you posted to any developments there.

In response to requests from the membership, we will be putting out a new directory with photos in January 2018. In order to facilitate this, you will need to have your photo taken by the third week of October. Mrs. Brenda Pender will be present at the September and October luncheons to take your photo on location, or you can go by SPDA any time between now and then and she will take care of you. If you already have a photo you like, then you can submit it to Brenda via email for her files.

*Get Your
Membership
Directory Photo
Taken Soon*

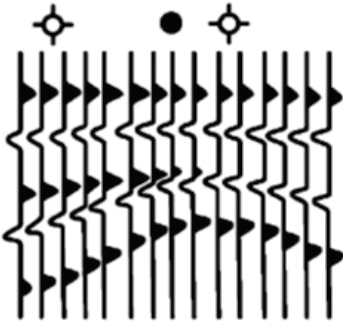
On behalf of the board, we look forward to serving you this year, and ask that you join us in welcoming the new board members who are beginning their three-year terms. Please make sure to say thanks if you get a chance, and feel free to reach out to any of us should you need anything. We look forward to another active and successful year.

Scott Comegys



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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Meet The Board



President

Scott Comegys moved back to Shreveport from Houston four years ago and has been working for O'Brien Energy for two and a half years as a geologist. He is currently serving his third year on the SGS board. He enjoys hunting and traveling when time permits and keeps busy helping to raise three lovely daughters.



First Vice President

Zach Kelly is a geologist at Milestone Energy. Currently serving as the Shreveport Geological Society's First Vice President, he oversees the SGS Faithful Friends Program. He graduated from LSU and enjoys watching sports.



Second Vice President

Lewis Billingsley has worked as a Geologist for Justiss Oil Company for the last 5 years. He graduated from the University of Arkansas in Fayetteville. He currently serves as Second VP of the Shreveport Geological Society and is excited to bring you a year of engaging speakers. In his spare time, Lewis enjoys traveling, hunting, and mountaineering.



Treasurer

Qiu Lu has been working as a geologist at O'Brien Energy Company since 2006 and a member of the Shreveport Geologist Society (SGS) for over ten years. She currently serves as SGS treasurer and is happy to get more involved.

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Meet The Board

(continued)



Secretary

David Ray Williamson is a graduate of Millsaps College and has worked as Senior Geologist and Project Manager with ATC Group Services, LLC in Shreveport since 2009. He is a Registered Professional Geologist/Geoscientist in Arkansas, Louisiana, Mississippi and Texas. He serves as the Shreveport Geological Society's Secretary for 2017-2018 and has previously served as Treasurer and Board Member. David is a cave explorer, collector of geological maps and mining publications and enjoys travel with his wife, Kathy, daughter, Laurel, and son, Matthew.



Board Member

David Billingsley, Jr. has been actively exploring for oil and gas in the Ark-La-Tex area since 1982. He has had the pleasure of serving on the Board of the Shreveport Geological Society three separate terms and has held every office, including President 2009-2010. David is also a rancher, raising registered Angus cattle. He and his wife Becky have two grown children, Lewis and Mary Anna.



Board Member

Cody Lenert has worked for Marlin Exploration for eleven years. He is honored to be on the board and helping in any capacity needed. Cody enjoys spending time with his wife and 2 boys and his favorite hobbies are duck hunting and fishing for redfish & speckled trout.

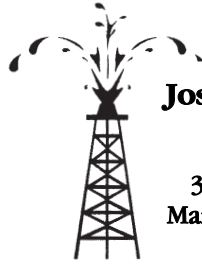


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Meet The Board

(continued)



Board Member

Zach Gray is nine years into his career as a petroleum geologist. He has previously worked for Forest Oil in Denver and Chief Oil and Gas in Dallas and is currently working for Ensign IV Energy here in Shreveport. He is proud to serve on the SGS board and looks forward to the coming year.



Board Member

Morris P. Nichols has been employed at Stroud Exploration Company for 18 years. He has served previous terms on the boards of the Shreveport Geological Society, the Shreveport Map Association as well as the Shreveport Petroleum Data Association. Morris's hobbies include Golf, Tennis and Hunting.



Executive Assistant to the Board

Annie Green has been a geotech for Nadel and Gussman Ruston for two years. Prior to that, she was a geotech at Tensas Delta/TDX Energy for 11 years. She serves as the Shreveport Geological Society's Executive Assistant and Publication Committee Chairman. Annie enjoys outdoor adventures with her husband and three sons.

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through the Shreveport Geological
Society LinkedIn Group.



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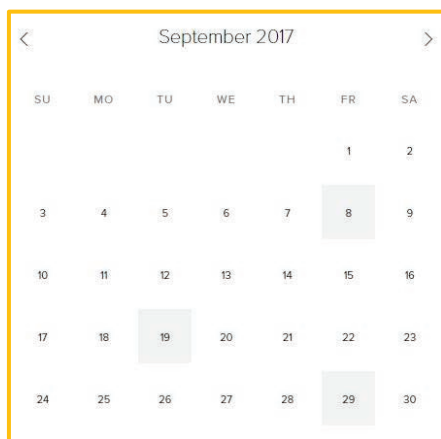
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Calendar of Events



View this interactive calendar at SGS1.org

September 8

Annual Golf Tournament
East Ridge Country Club

September 19

Monthly Meeting
11:30 a.m. - 1 p.m.
Petroleum Club 15th Floor
Gary L. Kinsland presents “The Chicxulub Crater”

September 29

GCAGS 2017 Early Bird Registration Deadline
This year’s GCAGS Convention is in San Antonio, TX, November 1-3.

On the Cover: Your 2017-2018 Shreveport Geological Society Board.
Group and individual board photos by Brenda Pender.

Interior Art: Page 1 “Summer Storm” (*detail*) by Jerry Wray.
Page 15 “Sitting on the Moon” (*detail*) by Christine Bailey,
courtesy of the Norsworthy Gallery,
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Contact the Newsletter Editor: 1RachelMcNerney@gmail.com



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The September Meeting

Make your **RESERVATION**

Gary L. Kinsland, Ph.D.

presents

“The Chicxulub Crater”

11:30 a.m. Tuesday, September 19

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, September 15** at SGS1.org,
or email or call in your reservation to

Lewis Billingsley

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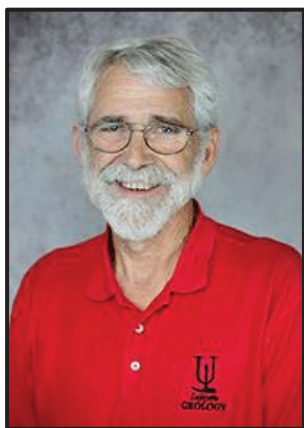
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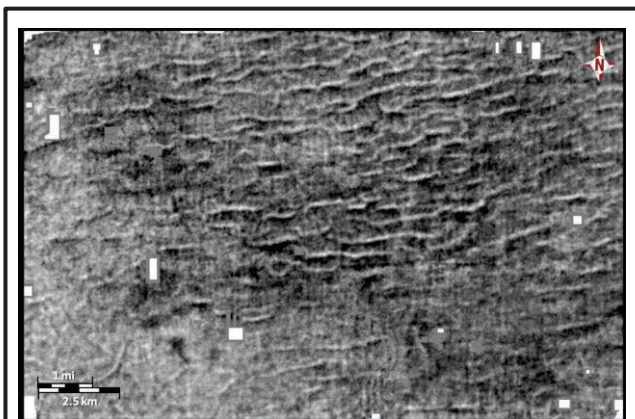
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Gary L. Kinsland



Gary was born in Eugene, Oregon 6/10/47 and grew up in southwestern Oregon. He graduated from Coquille High School in 1965. From 1965 until 1969 he attended the University of Rochester (U of R) in Rochester, N.Y. and received his B.S. in Physics. The next fall he entered the Geology program at the U of R and received an M.S. in 1971 and a Ph.D. in 1974 pursuing studies in high-pressure earth mantle mineral phases and strengths. After two years as a post-doc at U of R Gary took a visiting assistant professor job at Arizona State University for the 1976 -77 year where he learned and taught exploration geophysics. In the fall of 1977 he accepted a position at, then, USL in Lafayette, LA as a mineralogist/geophysicist. He has remained at the University of Louisiana at Lafayette, no longer teaches mineralogy, but has concentrated on geophysical research.

For several years he led a research effort dedicated to the development of the coalbed natural gas resources of northern Louisiana. Since 1994 he has pursued research related to the Chicxulub Impact Structure on the



Amplitude map of a stratal slice just slightly above the positive peak reflection event that represents the top of the Cretaceous interval within the seismic data. Ripple like features can be viewed in plan view. These lineations do not correlate to faulting. (From Egedahl, 2012)

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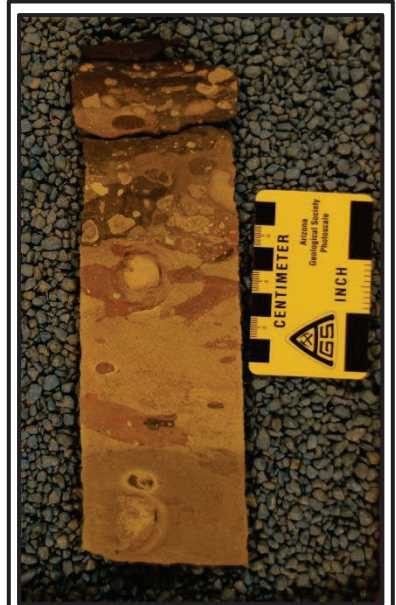
ANTHONY J. SPANO

PRESIDENT

Yucatan Peninsula of Mexico. He has collected and interpreted geophysical and topographic data over the feature and more recently has found geophysical and subsurface evidence of the effects of the Impact in the subsurface of northern Louisiana. He is now a full professor holding the Pioneer Production Endowed Professorship in Geology and Petroleum Engineering.

Abstract “The Chicxulub Crater”

The Chicxulub Impact Structure is a leading candidate for the cause of the extinction at the Cretaceous/Paleogene (K/Pg) boundary. This structure is located on the northwestern corner of the Yucatan Peninsula in the state of Yucatan in Mexico. The crater is filled and buried by Tertiary carbonates so that surface evidence of the 180 km diameter, 3 km deep crater which resulted from the impact is very sparse. Images of gravity and topographic data I have collected and/or compiled show the size and form of the buried crater. Having the history of researching Chicxulub allowed me to recognize impact caused tsunami “ripples” in northern Louisiana 3D seismic data. Justiss Oil granted me access to a core across the K/Pg. I will present some of my research in Mexico, will illustrate the effects of the impact in northern Louisiana with seismic data, well-log data and core data and will demonstrate the extent of the impact effects with published maps of the K/Pg Boundary Deposit.



K/Pg boundary from Justiss Oil Company, Inc. LA Central IPNH No. 2 Well-Olla Field LaSalle Parish, Louisiana. From the dark “sliver” at the top, upwards for over 600 ft. the lithology is the Midway Shale.



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From the Archives

By Annie Green

The time of year has come to become a Faithful Friend of the Shreveport Geological Society. In years past, donations received from Faithful Friends were allocated to fund the social hour prior to meetings. Today, we use those funds to offset speaker costs for member meetings.

In honor of this longstanding tradition, I would like to remind you of our Faithful Friends from 50 years ago. The photo here comes from a publication dated May 1967.

Got a question or idea for "From the Archives"? Email Annie Green at agreen@naguss.com.

FAITHFUL FRIENDS

The members of the Shreveport Geological Society express their cordial and sincere appreciation to the following sponsors of our Social Hour:

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Attention SGS Members:

The Shreveport Geological Society is putting together a photo Membership Directory for the 2018 year. A vast majority of the membership will be pictured in it, so now is your chance to advertise your company or services in the directory with a full page, half page, or quarter page advertisement. It will be several years before another Picture Directory is compiled, so it will really be a bargain to advertise in this directory. The SGS members keep these books on their desks and refer to them often, especially when they can see the members' pictures. So now is your chance to advertise and help your society to cover the costs for this endeavor. Deadline for getting your advertisement in is December 1, 2017. Thank you for your consideration.

*Morris P. Nichols,
SGS Membership Directory Committee*

Please complete the appropriate information:

Name: _____

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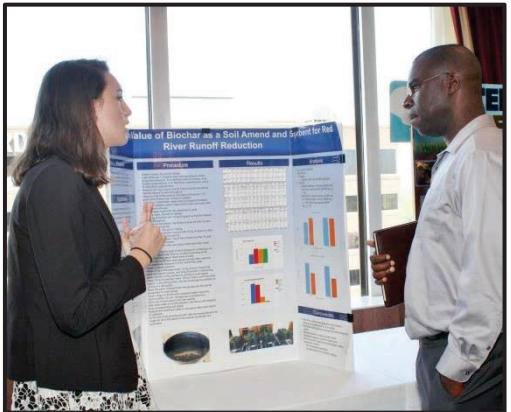
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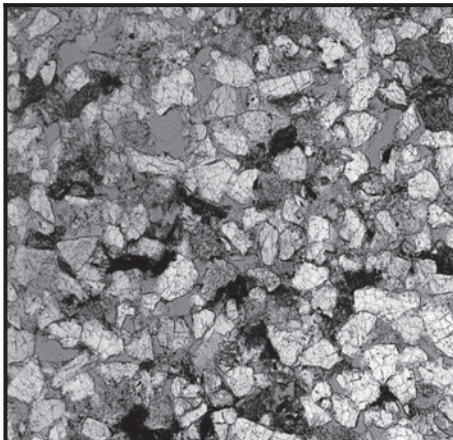
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Looking Back

The Shreveport Geological Society welcomed science fair winners and their families to the May meeting, where Randy Keller presented “Microseismicity in OK vs. Microseismicity Risks in LA”. Alan Brittain, Roger Berg, and Kevin Hill were also officially inducted as Honorary Members of the SGS. To see more photos, visit sgs1.org/members-area.





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Update on Geoscientist Licensing in Louisiana

Louisiana Board of Professional Geoscientists Announces New Online Payment Portal

As a convenience to applicants and licensees, the Louisiana Board of Professional Geoscientists (LBOPG) now offers an online payment option for its licensees and applicants. The option allows payment for license applications, Geoscientist-In-Training (GIT) certifications, license renewals, and a variety of other services. A nominal convenience fee will be added to the base cost of the service fee.

The option was created to be simple, easy, and quick. Visit the website at LBOPG.org, select the top tab labeled “Pay Online,” and follow the steps. For additional information contact Brenda Macon at apply@lbopg.org or 225-505-3766.

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SGS Meeting Survey

What topics and/or speakers are you interested in seeing at the Shreveport Geological Society's monthly meetings?

Topics (please check all that apply)

- Aeolian Processes
- Carbonates
- Current Plays
- Economics
- Environmental
- Ethics
- Geophysics
- National Parks
- Petrophysics
- Planetary Geology
- Production Technology
- Regional Structure
- Stratigraphy
- Other: _____

Speakers (please check all that apply)

- Dan Buller
- Martin Cassidy
- John Castagna
- John Jacobi
- Scott Tinker
- SGS Honorary Members
- SGS Past Presidents
- Other: _____

Any additional comments?

Tear out this page and mail it to the Shreveport Geological Society,
P.O. Box 750, Shreveport, LA 71162. OR take the survey online at
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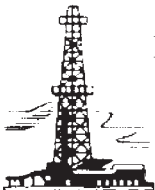
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In order to be eligible for active membership, an applicant shall be engaged in the practice or teaching of geology or related sciences.

In order to be an associate member, an applicant shall be interested in geological science but not actively engaged in the practice or teaching of geology or related sciences.

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

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Reservoir Architecture and Reservoir Quality from Outcrops to
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Austin Chalk and Eagle Ford Formations

Resource Play Evaluation - Eagle Ford

Cretaceous Carbonate Reservoirs: Austin Chalk,

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Gulf Coast Fields and Reservoirs

Jurassic Gulf Coast Fields and Reservoirs

Water Resources and Gulf Coast Sedimentology

Water Resource Protection

Gulf Coast Sedimentology

Reservoirs and Field Analogs

Gulf Coast Fields and Analogs from Other Plays

Workflow in Conventional and Unconventional Reservoirs

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**See www.gcags2017.org for the full schedule
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SHORT COURSES

**3D Seismic Attributes for Prospect Identification
and Reservoir Characterization**

In this 2-day short course, you will gain an intuitive understanding of the kinds of seismic features that can be identified by 3D seismic attributes, the sensitivity of seismic attributes to seismic acquisition and processing, and how 'independent' seismic attributes can be coupled through geology. Instructor Kurt Marfurt: Tues.-Wed., Oct. 31-Nov. 1

Integrated Exploration Methods for Clastic Depositional Systems

This 2-day course is designed to provide participants with a modern appreciation of the full spectrum of deep-water depositional systems and their petroleum reservoirs in the context of oil and gas exploration and appraisal. The course examines sediment transport and deposition, stratigraphic architecture, and predictive reservoir characteristics in a variety of basins using hands-on lectures, core-log-seismic exercises, and collaborative discussions.

Instructor Jon Rotzien: Tues.-Wed., Oct. 31-Nov. 1

Log Analysis for Unconventional Reservoirs

This is a 1-day short course on log analysis of unconventional reservoirs. It will cover basic characteristics and mineralogy of unconventional reservoirs; estimation of Total Organic Carbon (TOC wt.%) from well logs; log analysis of organic rich, gas-bearing and oil-bearing mudstones using both conventional logs and newer advanced logging technologies including geomechanical properties, NMR and dielectric logs. Instructor George Asquith: Wed., Nov. 1

Introduction to Seismic Interpretation: STUDENTS ONLY

This is a 2-day short course that introduces participants to seismic interpretation as applied in the petroleum industry. Lectures, hands-on exercises and discussions focus on the tools and concepts used by interpreters to derive structural and stratigraphic information from 2D and 3D seismic data. Topics include the principles of the seismic method, data acquisition and processing, interpretation tools and workflows, and how all of these factors affect structural and stratigraphic interpretations. Instructors Carl Fiduk & Bruce Hart: Sat.-Sun., Nov. 4-5

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SHORT COURSES (continued)

Ethics for Geologists (Includes Breakfast)

This is a 1-hour collaborative/interactive lecture to satisfy the Texas Board of Professional Geoscientists ethics credit requirement. Participants must bring a text capable phone to interactively participate in the lecture. Instructor John Jordan: Fri., Nov. 3

A Recruiter's Insights to Resumes and Interviews

This is a 1/2-day short course for students and professional geoscientists looking for a job in the petroleum industry. The course covers choosing a major to a graduate school, identifying job opportunities of interest, writing a resume, and interviewing. Topics include, what should and shouldn't be in your resume, what to do and what not to do in an interview from a straightforward practical perspective, and provides attendees with several insights to what employers and recruiters are looking for. Although the course is designed for folks looking towards a geoscience career in industry, simple pointers that anyone can use for nearly any job are offered.

Instructor David Weinburg: Fri., Nov. 3

SPECIAL EVENTS

South Texas Geological Society Golf Tournament

Wed., Nov. 1

All Convention Luncheon: Speaker, Dr. William Fisher

Thurs., Nov. 2

Geo-Oktoberfest at Beethoven Maennerchor und Garten

Thurs., Nov. 2

Women in Geosciences Breakfast: Speaker, Kimberly Corley

Fri., Nov. 3

GCSSEPM Luncheon: Speaker, Dr. Maria Mutti

Fri., Nov. 3

AAPG DPA Luncheon: Speaker, Dr. Thomas Ewing

Fri., Nov. 3

Two Spouse and Guest Tours of San Antonio

Thurs., Nov. 2 & Fri., Nov. 3

Convention Icebreaker

Wed., Nov. 1

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FIELD TRIPS

**Canyon Lake Gorge: Cretaceous Glen Rose
(Wed., Nov. 1)**

The "Canyon Lake Gorge" Field Trip will provide access to excellent exposures of the Cretaceous Glen Rose Formation at the recently (2002) exposed area below the Spillway at Canyon Lake. It will feature the Stratigraphic, Structural, and Aquifer Characteristics of this exposure.

Trip Leader: Lyle Baie, David Ferrill & Tom Fett

**Upper Cretaceous Sands of the Eagle Pass Area
(Fri.-Sat., Nov. 3 & 4)**

The "Upper Cretaceous Sands of the Eagle Pass Area" Field Trip will provide a detailed look at the Upper Cretaceous Sands, including the Escondido, Olmos and San Miguel. Along the way we will look at the Austin Chalk and the Anacacho Lime, as well as Igneous ("Serpentine") Intrusions in the area.

Trip Leader: Dr. Thomas Ewing & Tom Fett

**Austin Chalk and Eagle Ford Shale in San Antonio
(Sat., Nov. 4)**

The "Austin Chalk and Eagle Ford Shale in San Antonio" Field Trip will provide a good look at the full Austin Chalk section in the San Antonio area, with several newly examined outcrops. It will include nicely exposed underlying Austin Chalk contacts with the Eagle Ford Shale and an overlying contact with the Taylor Formation. The trip will see nearly 500' of beautifully exposed, easily accessible Buda Lime / Eagle Ford Shale / Austin Chalk.

Trip Leader: John Cooper

For further information: Contact Tom Fett at
MedinaLake@msn.com or at 210 289-7128.

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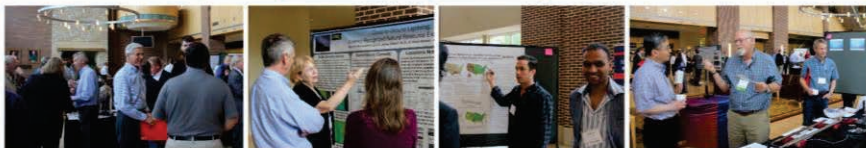
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January 10-11, 2018

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Call for Abstracts

You are invited to submit an abstract for a poster or oral presentation at the 2018 SMU Power Plays conference. Abstracts are due by **Friday October 13, 2017**. Topics include:

- Reservoirs: exploration, enhancement and productivity
- Drilling and Downhole Advancements: oil & gas laterals, geothermal hydroshearing
- Engineering Techniques: heat extraction, technology
- Novel Applications: deep direct use for utilities or buildings, micro to macro generation
- Case Studies and Planned Project Discussions: approaches, challenges, solutions

Event Details

Name: Power Plays: Drilling into Geothermal Energy Applications
Date: Networking Reception and Poster Session January 10; Conference January 11, 2018
Location: SMU Campus, Dallas, Texas
Website: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>
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Government Affairs	Scott Stroud	Stroud Exploration Co., LLC	425-0101
Historical	Ralph Richardson	Sartor-Richardson	869-4100
Honorary Membership/ Awards	David Billingsley, Jr.	Independent	222-7123
Investments	Qiu Lu	O'Brien Energy Co	865-8568
Library	Ralph Richardson	Sartor-Richardson	869-4100
Maps in Schools	Matthew C. Chumley	Nadel and Gussman	222-0908
Membership	David Williamson	ATC Group Services LLC	868-4848
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Program	Lewis Billingsley	Justiss Oil	992-7763
Publications	Annie Green	Nadel and Gussman Ruston	222-0908
Revel Mock Dig	Carrie Salinas	Virtus Environmental	518-1622
Scholarship Endowment	Alan Schlichtemier	Oden & Associates, LLC	222-2400
Scholarship Grants	Alan Schlichtemier	Oden & Associates, LLC	222-2400
Sci-Port Discovery	Zach Kelly	Milestone Energy	222-0026
Tennis Tournament	Anthony Spano	Spanoil Exploration, Inc.	221-2371
Website - Newsletter Editor	Rachel McNerney	Hill Geophysical Consulting	221-3329
Youth Activities	Larry Frizzell	TMR Exploration, Inc.	746-3616
AAPG Delegate (7/1/16-6/30/19)			
Executive Assistant	Mark Dunham	Sugar Creek Producing Co.	221-2899
SGS Auxiliary President	Annie Green	Nadel and Gussman Ruston	222-0908
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