

HGS Bulletin

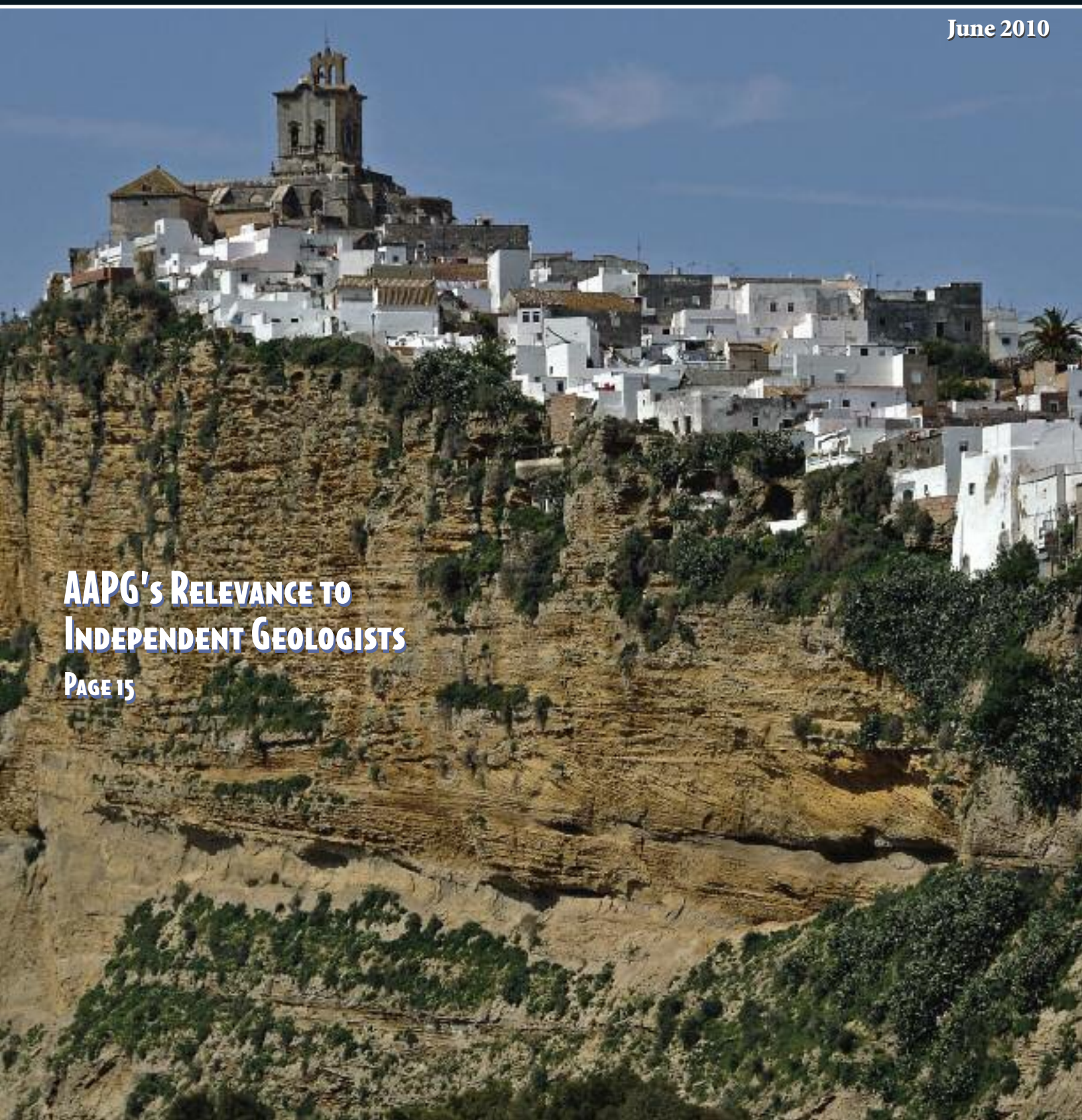
Volume 52 Number 10

Houston Geological Society

June 2010

**AAPG's RELEVANCE TO
INDEPENDENT GEOLOGISTS**

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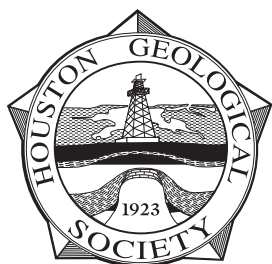
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The Bulletin

Houston Geological Society

Volume 52, Number 10

June 2010

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Technical Meetings

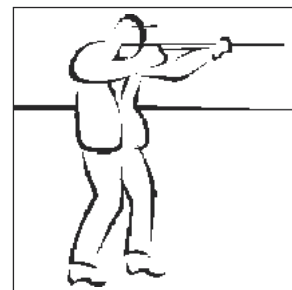
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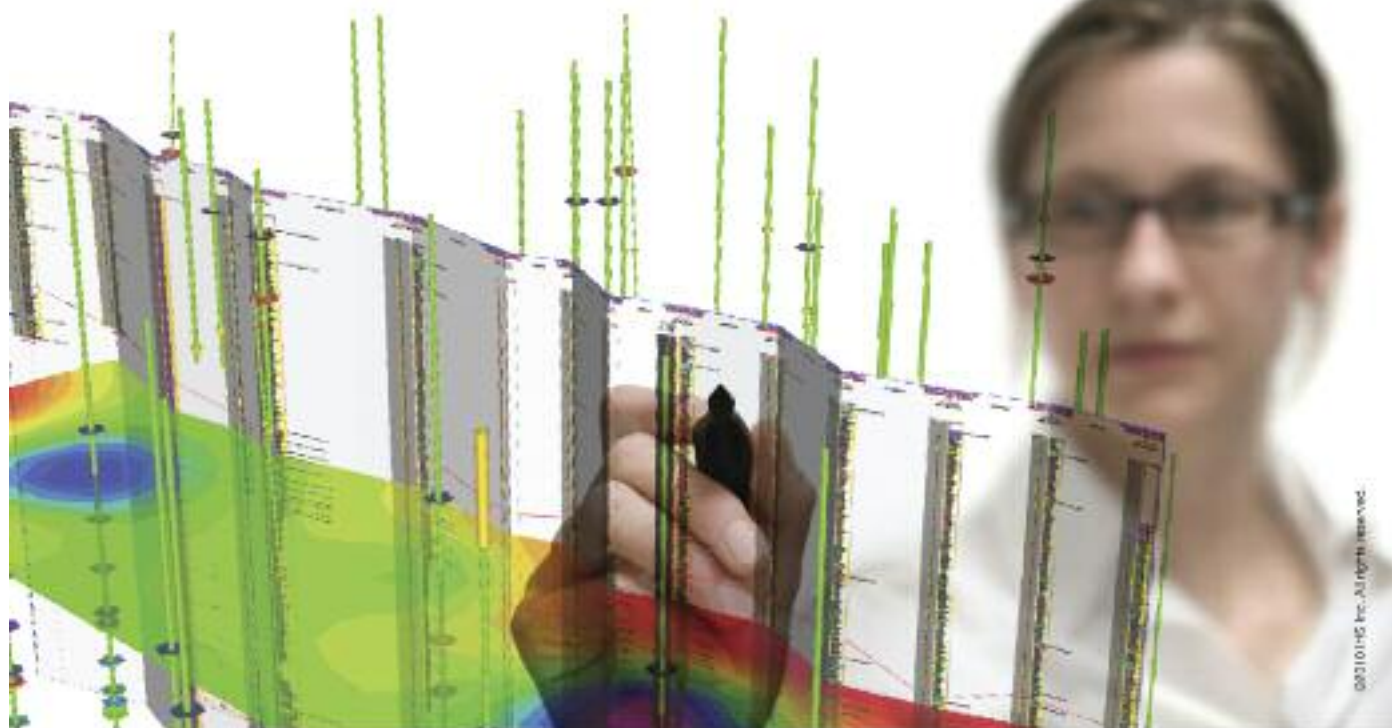
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About the Cover: Upper Miocene sandstone and sandy limestone ("Caliza Tosca") sequences along the Guadalquivir Basin, Andalucia, Spain. The beautiful sequence exposed in the cliff under the Arcos de la Frontera Town shows massive basal sandstones and sandy limestones with interbedded shale-marl. Sandstones develop parallel and low-angle cross-bedding in the lower and upper parts of the section exposed, and grade upward from laminated to calcareous. Deposition in shore bars and/or shallow bottom highs during Tortonian-Messinian times has been interpreted. *Photograph by Claudio Bartolini*

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10th ANNUAL GSH/HGS SALTWATER FISHING TOURNAMENT

Saturday, June 19, 2010

The FISH SPOT Marina • 4009 20th Street North • Texas City, Texas
Galveston Bay Complex and Offshore

This year's Saltwater Fishing Tournament will include an Offshore Division to be held on Saturday, June 19 at the Fish Spot Marina, Texas City, Texas. We are looking forward to a big event this summer and we encourage full family participation.

Galveston Bay Complex Division

Trophies will be awarded for the heaviest individual Redfish (Non-Tagged), Speckled Trout and Flounder. Trophies will also be awarded for the heaviest individual Stringer-1 Redfish, 3 Speckled Trout, and 1 Flounder.

Galveston Offshore Division

Trophies will be awarded for the heaviest individual Red Snapper, King Mackerel, and Mahi-mahi.

Registration fee includes: Launch Fee, GSH/HGS Fishing Cap, Fish Fry Meal after weigh-in, Refreshments, Trophies, and DOOR PRIZES.

For more information, please contact:

Bobby Perez (HGS & GSH) • 281-240-1234 ext. 219 Office • 281-240-4997 Fax • 281-787-2106 Cell • 281-495-8695 Home
E-mail addresses: rdptx@aol.com or r_perez@seismicventures.com

The Geophysical Society of Houston and the Houston Geological Society are non-profit organizations serving the Geosciences Community. Corporate and individual contributions are appreciated and will be acknowledged on several sponsor boards and banners at the Weigh-In Station and Marina. All contributors will be recognized in the GSH newsletter and HGS *Bulletin* following the tournament. This is a great way to entertain friends, family, business associates, and clients. So spread the word!

GSH/HGS SALTWATER TOURNAMENT

NAME: _____ COMPANY: _____

ADDRESS: _____

PHONES: (H) _____ (B) _____ (C) _____

E-MAIL ADDRESS: _____

Upon receipt of the registration form, each participant will be provided with a copy of the specific tournament itinerary and rules sheet by e-mail. Please register **EARLY**.

Please return this form with your check for \$60.00 per contestant payable to:
GSH SALTWATER TOURNAMENT and Mail to:
Geophysical Society of Houston, 14811 Saint Mary's Lane, Suite 250 • Houston, Texas 77079

Registration Fee: \$ _____ + Sponsor Contribution: \$ _____ = TOTAL \$ _____

DISCLAIMER:

I acknowledge that the Geophysical Society of Houston / Houston Geological Society will not be held responsible for injury or accidents during this event. **PRACTICE SAFETY!!!!**

Signature: _____ Date: _____



Gary Coburn
garycoburn.hgs@gmail.com

The Year Has Gone By All Too Quickly.

This is it! My final President's Column! What a year we have had! The technical program has been superb and well attended, thanks to Vice President Art Donovan and all the technical chairs and committees. Frank Walles and the Mudstone Group put on a tremendous Mudstone Conference which completely sold outagain! The Board of Directors worked hard throughout this year to restructure the internal workings of the HGS. Their work, while not very visible or exciting to the membership, has resulted in an organization that functions much more smoothly and with greater efficiency and accountability. The HGS had become large enough that it had to be reorganized and run in a more businesslike and professional manner. I believe this puts the HGS in a position to concentrate now on programs and courses which will better benefit our members. This will enable us to grow as well as handle upcoming AAPG Conventions. Speaking of the upcoming 2011 AAPG Convention to be held here in Houston, we are going to need a lot of member volunteers. Students are welcome to volunteer as well. It is a great chance to network. To find out what you can do, please contact Linda Sternbach at linda.sternbach@gmail.com or our volunteer coordinator, Sue Pritchett, at pritchettsue@gmail.com. They will be able to get you in the right group.

The AAPG Convention in New Orleans was very well attended and sponsorships by some of the big companies were back after their notable absence last year. That really was a good thing. Many good technical talks were given on the exhibit floor this year. These were quite well attended. Of particular note was Statoil's 3D visualization presentation. That was just too cool to a diehard geek like me! The technical talks were very good this year. We have a lot to live up to next year. And congratulations are due to the New Orleans Geological Society for a successful convention.

One of the more memorable talks I attended was the presentation on Davy Jones by Jim Bob Moffet (co-founder and CEO of McMoran). Davy Jones is McMoran's SMI Block 230 Wilcox discovery. This well found 24% porosity Wilcox sands at depths

greater than 27,300' TVDss. The data from this well will make it geologically one of the most important wells since Mahogany. This well, along with Flat Rock and Blackbeard, has the potential to redefine the shelf in the GOM. Yes, it is deep and expensive, but if drilling in the GOM has taught us anything it is that drilling technology grows exponentially with each discovery. Costs and time to drill these wells will inevitably be greatly reduced as knowledge and technology increases. The fact that this well was ever drilled in the first place is a tribute to a

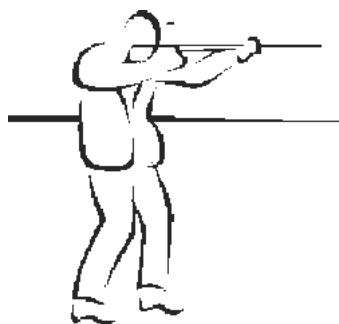
*if drilling in the GOM has
taught us anything it is
that drilling technology
grows exponentially with
each discovery*

geologist with the vision and the fortitude to see it through. Mr. Moffett is, of course, the geologist of whom I speak. Many may not realize that while he has gathered an excellent geosciences team around him, he is an outstanding geologist in his own right. It is this combination of geologic expertise and vision combined with the ability to actually make a decision that allowed Davy Jones to be drilled. It is the difference between a company with a leader who understands

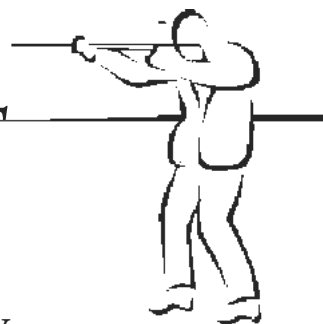
exploration, geology, and risk versus a company controlled by a CPA or a lawyer. It is the difference between a company whose main interest is in short-term stock price gains and a company that pursues true long-term growth, which for an exploration company comes from bold, deliberate exploration. Companies who evaluate risk by canned programs and statistics will NEVER find anything truly new and significant. After all, drilling by the statistics will not allow you to find anything that hasn't been found before. Hopefully other CEOs are taking notice and will turn once again to their geologists for bold new ideas and actually listen to them. After all, it is this group that is responsible for making them an E&P company in the first place!

Thank you for allowing me to serve as HGS President this past year. It has been an experience for which I will always be grateful. I want to thank everyone who volunteered for making this an excellent year for the HGS. I wish everyone a great summer and success in all you do. Just remember, *Fortes fortuna adiuvat*. Fortune favors the bold! ■

Happy Hunting!



27th Annual HGS SKEET SHOOT



Saturday, June 19, 2010
Greater Houston Gun Club
6702 McHard Road, Missouri City

This tournament is a 50 target event. Shells are provided, however **you must bring eye and ear protection.** Greater Houston Gun Club and National Skeet Shooting Association safety rules will be in effect. Winning shooters will be determined by the Lewis class system. Door prizes will be awarded by blind drawing after the conclusion of shooting. All competitors are automatically entered into the door prize drawing, but you must be present at the time of the drawing to win.

BBQ lunch will be provided from 11:30 a.m. until 1:30 p.m.
Refreshments will be available throughout the day.

IMPORTANT!!

WE ARE LIMITED TO 160 SHOOTERS IN FOUR ROTATIONS. ENTRY FEE IS \$65 PER SHOOTER FOR REGISTRATIONS RECEIVED BY FRIDAY, JUNE 11. AFTER THAT, REGISTRATION WILL BE STRICTLY ON A "SPACE AVAILABLE" BASIS AND THE ENTRY FEE WILL BE \$80 PER SHOOTER. REGISTER EARLY!!

For more information, contact: Tom McCarroll at (713)419.9414 or tom_mccarroll@yahoo.com.

HGS SKEET SHOOT REGISTRATION FORM

Name: _____ Company: _____

Email: _____ Phone: _____

Preferred shooting time: (circle one) 9:00 10:00 11:00 12:00

Indicate ammunition required: (circle one) 12 gauge 20 gauge

Please return form(s) with check for \$65.00 per shooter, payable to: **Houston Geological Society**

If you prefer to pay by credit card, please call Sandra at the HGS office, (713) 463-9476.

Mail to: **Tom McCarroll • 2668 Hwy. 365 #329 • Brenham, TX 77833**

Registration Fee: \$_____ + Sponsor contribution: \$_____ = Total: \$_____

If you wish to shoot with a specific squad (5 shooters max.), please submit all forms together.

**ALL SHOOTERS WILL BE REQUIRED TO SIGN A DISCLAIMER OF RESPONSIBILITY
BEFORE THEY WILL BE ALLOWED TO SHOOT!**



Barry Katz
BJKatz.HGS@gmail.com

It Takes More Than an Editor to Make a *Bulletin*

This is my tenth column, but not my last. I will have ten more opportunities to share my thoughts with you beginning in September. As we close this volume of the *Bulletin* I thought that it was an appropriate time to look back and to thank a number of people.

Let me begin by stating that I took on the role of Editor a little earlier than expected. Although I had a vision as to how I had hoped the *Bulletin* would develop under my tenure, there was little, actually no, time to implement this vision. I was simply too busy learning how to get this job done while working within tight deadlines, with printing and mailing schedules dictating how and when things were to be completed. Maybe the summer hiatus in the *Bulletin* will provide me the time cushion that I have been hoping for.

As I have stated in the past, these deadlines have also resulted in some errors within the *Bulletin*, which I acknowledged and accepted responsibility for. There have also been a number of compliments about the *Bulletin*, in general, and for some of the columns that I have prepared. When all is said and done, I believe this was a successful year for the *Bulletin* and I remain honored to have been asked to serve as Editor.

The *Bulletin* is not the product of a single individual, but the product of all those who provided content. There is a long list of authors that provided the technical contents for our various monthly meetings. A number of members have gathered and forwarded content while working within tight deadlines. These individuals are Art Donovan, Matthew Cowan, Steve Getz, Jory Pacht, Justin Vanden Brink, and David Tonner. In addition to HGS's President Gary Colburn, and myself there are a few monthly contributors that I would like to thank – Arlin Howles, Winona LaBrant Smith, and Henry Wise.

*The Bulletin is not the product
of a single individual,
but the product of all those
who provided content.*

There is yet another group that is critical to the *Bulletin* that I need to recognize. My Advisory Editors, James Ragsdale and Charles Revilla, have read and commented on nearly every submission. Their comments have helped bring sharpness, focus, and clarity to the various abstracts, technical notes, and news items. Lilly Hargrave, in the HGS office, handles the *Bulletin's* advertising. This advertising is critical to the *Bulletin* permitting

such things as the use of color and the occasional increase in the number of pages. HGS appreciates all of our advertisers for their continued support. The design and layout of each *Bulletin* is not a simple task. Lisa Krueger has provided us with that professional "look" that we expect the *Bulletin* to maintain.

She has also helped me learn how the

Bulletin is produced and has provided me with a corporate memory.

Last but not least, I must thank my wife Terry. When talking about Terry, I really don't know where to begin. I probably should start with her tolerance and willingness to share my time with HGS. My job as Editor has largely been accomplished on her time, at our kitchen table. She is also my *consigliere*, serving as a sounding board when a decision needs to be made. She is also my editor. She and she alone, reviews my monthly column. Her critiques, which at times have changed the tone, emphasis, and length of my columns, and have always improved their quality, are appreciated beyond words. For these things and for so much more, I thank her.

Enjoy your summer and thank you for taking the time to read and occasionally comment on my columns. As always, I look forward to receiving your thoughts, suggestions, comments, and criticisms. ■

Until next time...



Grand Canyon Field Trip June 13 – June 21, 2010

There is some last-minute space available for this outstanding field trip to the Grand Canyon. Enjoy the thrill of running rapids, the awesome scenery, and the classic geology. Trip cost is \$3000 and begins Sunday, June 13 in Las Vegas, includes travel via Zion National Park to Lee's Ferry and Motel, 8 nights camping on the Colorado River, food and drink, plus transportation back to Las Vegas on Monday, June 21. Motorized rafts and river guides will be provided by Hatch. Short to medium hikes will be offered most days. If interested, please contact trip leader Steve Earle (earle50@earthlink.net) or the HGS office.

Vendor Corner Recognition and Thanks

The Houston Geological Society would like to recognize and thank its many vendors who demonstrated their financial support of the HGS by providing "Vendor Corners" for our 2009-2010 evening technical meetings. These are the folks who present poster session displays of their company's products, studies or services. They provided a great focal point during the social hour for the attendees to the meeting. The cost to the companies participating is not cheap and the fees that they pay are donated 100% to the HGS Scholarship Fund (undergraduate) and the HGS Student Membership Initiative.

The HGS would like to thank the following:

AOA Geophysics*
 Fugro Cos.*
 SMT
 Micro-Strat*
 Prospectors Services Intl.
 Seabird
 Seiswave
 ION*
 DII*
 DIGS/GSI*

**Hosted more than one vendor corner*

If you would like to host a Vendor Corner during the upcoming 2010-2011 HGS year, please contact Paul Babcock at (832) 242 9650 or paul.babcock@nfrenergy.com



**Two global leaders.
 Enhanced capacity.
 Expanded excellence.**

When the considerable assets of two global leaders are combined, the outcome is a complete suite of enhanced services to meet your seismic objectives, without sacrificing the high level of responsive service you've come to expect.

Geokinetics' recent acquisition of PGS Onshore positions us as the clear leader in the onshore seismic data acquisition business, creating the second largest provider in the world and the largest based in the Western hemisphere.

It extends our geographic reach, furthering our ability to operate in challenging environments such as the severe desert conditions of the Middle East and North Africa and the environmentally sensitive terrain of

the Arctic as well as mountains, jungles, and swamps throughout the world. In addition, the combined company holds an even more extensive 2D and 3D multi-client data library covering prospective areas in North America.

Empowered by a broad range of technologies that include specialist Transition Zone equipment, four-component Ocean Bottom Cable crews and high-performance Land Vibroseis operations, we provide effective seismic project planning, proprietary and multi-client acquisition and complete processing and interpretation services.

Which is why more and more results-oriented energy companies depend on Geokinetics. We deliver the decision-critical intelligence it takes to maximize your success.



INGENUITY. EXPANDING. WORLDWIDE. GEEKINETICS.COM

HGS/PESGB 9th International Conference on African E&P Africa: A Multi-faceted Promise



Houston 2010
September 8-9

PESGB

Marriott Houston Westchase Hotel • 2900 Briarpark Drive, Houston, Texas

Plan to attend this event during the week before the AAPG Int'l Convention in Calgary.



This annual conference has become established as the primary technical E & P conference on Africa. Scheduled for 8-9 September 2010 in Houston, a two-day program of talks is planned along with technical posters and exhibits from sponsoring companies. Opening reception will be Tuesday evening September 7th.

The conference series, organized by members of the International Group of Houston Geological Society (HGS) and Petroleum Exploration Society of Great Britain (PESGB) covers all aspects of African E&P, with particular emphasis on new ideas for plays and prospects, the geology of the continent and its conjugate margins, and application of emerging technologies.

Preliminary Program Highlights

Case Histories of Discoveries: - Jubilee, Venus, Uganda

Basin Studies: - Equatorial Atlantic, East Africa, Ghadames, Melut, N. Red Sea, NW Ethiopia

Technology: - Migration Pathways, Predicting Deepwater Reservoirs, Imaging challenges of Cretaceous Reservoirs

Special thanks to the many exhibitors and sponsors: CGG, Chariot, ChemoStrat, Core Lab, dGB Earth Sciences, Fugro Gravity & Magnetics Services, Fugro NPA, Fugro Robertson, GeoInternational, GETECH, Infoterra, ION-GX Technology, LYNX, Microstrat, OHM, Seabird, Senergy, TGS, Weinman Geoscience, Wellstrat Services and WL Gore.

For sponsorship opportunities or exhibit space, please contact David Schwartz DSchwartz@fugro.com or Sandra Sandra@HGS.org.

Pre-registration is available on-line at www.HGS.org

- Significant Savings for Early Bird Registration before 30 June.
- There will be a Special Rate for Hotel rooms available at the website
- Further details will appear in the HGS *Bulletin*, PESGB newsletter and websites.

Conference Committee for 2010 includes Al Danforth, Ian Poyntz, Martin Cassidy, Dave Schwartz, Justin Vanden Brink, Tarek Ghazi and Claudia Lopez (Houston), Ray Bate and Duncan Macgregor (London).



Preliminary Timetable

PESGB

Tuesday 7 September:

Special HGS International Explorationist Dinner

Westchase Hilton, 9999 Westheimer (Across the street from the Africa Conference)
not included in Registration Fee for Africa Conference

5:30 – 6:30 Social Hour

6:30 – 7:30 Dinner

7:30 – 8:30 Main Talk

Speaker: Duncan Macgregor, Neftex Petroleum Consultants and Surestream Petroleum

**Topic: "The past and future development of Africa's play systems:
why regional geology is more important than ever."**

HGS/PESGB 9th International Conference on African E&P **Africa: A Multi-faceted Promise**

Marriott Houston Westchase Hotel • 2900 Briarpark Drive, Houston, Texas

Tuesday 7 September

Registration opens - 4:00 PM

Opening Reception: 4:00-5:30

in Exhibits area – Grand Pavilion, Marriott Houston Westchase Hotel

Day 1 – Wednesday 8 September

Registration opens - 8:00 AM

9 – 5 Talks and Poster Presentations

Lunch provided

5 – 7 Reception

Day 2 – Thursday 9 September

Registration opens 8:00 AM

9 – 5 Talks and Poster Presentations

Lunch provided



Preliminary Program

PES  **GB**

Regional and Overview	
Searching for Diversification in Africa – New Plays and Opportunities	Bob Fryklund, IHS Energy
The Monetary Value of Expectation in Exploration and why Africa is the natural playground for Independents	Stefano Santoni, Bayfield Energy Ltd
Understanding Africa's Evolving Topography and Drainage Systems, Implications for Predicting Deepwater Reservoirs and Source Rock Burial History	Duncan Macgregor, Surestream Petroleum and Neflex Petroleum Consultants
North Africa	
The relationship of Sub-Aerial Basins below Sea Level to Oil & Gas Prospects of North Africa	Martin Cassidy, University of Houston, Dept of Earth and Atmospheric Sciences
Prospectivity in the North Red Sea Egypt – New Data, New Challenges, New Opportunities	Graeme Gordon, Benn Hansen, Jennifer Scott, Clare Hirst, Rod Graham, Tim Grow, Andrew Spedding, Stuart Fairhead, Josh Miller, David Pocknall, Lisa Fullarton and Dean Griffin, - Hess
Petroleum Potential of the Ghadamis Basin, Libya: a re-evaluation for new Play/Prospect identification	Louni N., Letouzey, P., Raymond A., Dartois F., Debarre R., Godart Y., Beicip and Elbakai M., Mriheel I., Rahuma M.B., El-Harbi A., Suliman O., Libyan Petroleum Institute (LPI)
East Africa	
Initial Exploration results in Exploration Area 4B, Lake Edward Basin, Albertine Rift, Uganda	M.D.Thomas, I. Newth, C.Nicholas, - Dominion and P. Nabbanja - - PEPD.
New insight for the Petroleum System of the Melut Basin (Sudan)	Letouzey P., Le Guerroué E., Byrne C., Monnier F., Roussé S., Gou Y., Peysson Louni, N., Beicip and A., Abbas T., Hamid M., Petrodar Operating Co. Ltd (PDO), Sudan
Tectonic evolution and potential hydrocarbon habitat of the Davie Ridge Fossil Transform Zone, Mozambique Channel, East Africa Offshore	Scott E Thornton, Department of Geosciences, University of Sydney and DI International, Houston.
Implications of AVO and Geochemical Modeling for Deepwater Block 7, Offshore Tanzania	M.D.Thomas* J. Chamberlain, I. Newth, A.Faux, P.Copestake, A.Carr, -Dominion
Understanding the Evolution of the East African Extensional / Transform Margin in Tanzania and Kenya, Using Deep PSDM Seismic Images	Al Danforth, Steve Henry, and Kelvin Komba - TPDC
POSTERS: North and East Africa	
Seismic Sequence Stratigraphic Analysis of Eleven Wells In The North Geisum Field, Gulf Of Suez.	Walter W. Wornardt, MICRO-STRAT
Discovery of a new Cretaceous-Jurassic basin NW Ethiopia	Daniel Ward, Epsilon Energy Ltd
Petroleum Systems Modeling of the Urema Graben, Mozambique: Timing and Extent of Petroleum Generation and Migration in a Frontier Exploration Region	Matthias Greb, Vaughn Thompson - Energy & Geoscience Institute and Ståle Monstad - DNO International, Norway



Preliminary Program



West Africa - South Atlantic

Albian and Upper Cretaceous Hydrocarbon System of the South Atlantic; Examples for West Africa and Brazil	Ken Nibbelink
Passive Margin Fold and Thrust Belts of South Atlantic Basin	Hermann Lebit, -Marathon and Luke Jensen, -Shell
Combined rigid/deformable plate kinematic modeling of the passive margins of the South Atlantic	Alberto Munoz, Claire Glover, Jim Harris, Mike Goodrich, Lynne Hudson -Fugro and Bridget Ady, -GeoArctic
Namibia – a forgotten Segment of the Atlantic Margin?	M. K. Taylor, J. Kemper, F. Ribeiro -Chariott, S. Spencer and C. Lopes, - Senergy Ltd

West Africa - Equatorial Margin

Jubilee Field: A Step Change for Ghana	Dave Hanley Tullow, Development Mgr-Ghana
Seismic Imaging of Cretaceous Sandstone Reservoirs, Venus B-1 exploration well, offshore Sierra Leone, West Africa.	R.B. Boyd, C. D. Smith, D.J. McLean, A.L. Mehlhop & G.A. Jewell, Anadarko
The Tano-Ivorian Basin – A Fast-Emerging African Deepwater Play Fairway: Industry and Vanco's Recent Exploration Activity Highlights	Christopher H. Bradley, Chief Geologist, Vanco

POSTERS: West Africa

The Prospectivity of Offshore Sierra Leone Using Newly Acquired 3-D Data	M.V. Grand; I. Deighton -TGS Nopec
Going Round the Bend: African Margin Play Elements from Sierra Leone to Ghana and Inferences from Brazilian Conjugates	William G Dickson, DIGs; Craig F Schiefelbein, GSI and Mark E Odegard, GrizGeo
Pre-Albian Rifting in the Equatorial Atlantic: Implications for sub-basin scale variability in Hydrocarbon Potential	C.J. Hill and M.C. Raddadi, GETECH
Palaeogeographic evolution and petroleum potential of the Equatorial Atlantic Margins	M. Chaker Raddadi; Catherine J. Hill; Paul J. Markwick, GETECH
Detecting Hydrocarbon Migration Pathways In The Cote D'Ivoire Deepwater	David Connolly, Geert de Bruin, - dGB Earth Science, and Gennady Toropov -Lukoil
Potential-field, 2D Seismic and Maturation History Analysis of the Orange Basin: Implications for future deep water exploration."	Vaughn Thompson & Matthias Greb., Energy & Geoscience Institute

Think outside the computer screen.

Choose from over 50 exciting field seminars, short courses and online programs all designed with the goal of helping you explore and better understand the science of this industry. Please see the AAPG website for complete descriptions and registration information. Below are the highlights of courses coming up very soon. Make your plans now before seats get filled!

Short Courses:

SEPT
11-12

Creative Petroleum Exploration

Location: Calgary, AB, Canada, with the AAPG International Conference & Exhibition
Instructor: Edward (Bud) Ward and Doug Robinson

SEPT
11-12

Image Log Interpretation

Location: Calgary, AB, Canada, with the AAPG International Conference & Exhibition
Instructor: Lahn Thompson

NEW!

SEPT
11

Writing for the Bulletin – A Primer in Scientific Writing for Petroleum Geoscience Journals

Location: Calgary, AB, Canada, with the AAPG International Conference & Exhibition
Instructor: Gretchen Ellis

SEPT
16-19

Folds, Faults and Hydrocarbons in the Southern Canadian Cordillera

– Principles and Practices Combination Short Course/Field Trip
Location: Calgary, AB, Canada, with the AAPG International Conference & Exhibition
Instructor: Peter Jones

NEW!

OCT
4-8

FALL EDUCATION CONFERENCE 2010

– Theme: Unconventional Resources
Location: Houston, Texas
Instructor: Multiple experts

NOV
8-12

Application of Structural Geology in Prospecting in Thrusted and Extensional Terrain

Location: Las Vegas, NV
Instructors: Chuck Kehn and Wayne Nye

Field Seminars:

SEPT
23-30

Sedimentology and Sequence Stratigraphic Response of Paralic Deposits to Changes in Accommodation: Predicting Reservoir Architecture, Salt Diffs, Utah

Location: Colorado/Utah
Leaders: Ruth Stuebel, Michael Rejcek

OCT
2-9

Modern Terrigenous Clastic Depositional Systems

Location: South Carolina
Leader: Walter Saxon

OCT
10-13

Applied Stratigraphy of Paleozoic Carbonate Platforms: Facies, Cycles, Sequences, Basins, Reservoirs

Location: Nevada
Leader: John Warrick

Online Courses:

LAUNCH DATE
JUN 1

Renewable & Non-Renewable Resources – Overview & Integration: A Renewable Energy Certificate Course

Instructor: Thomas Gullerud

SEPT 13-
DEC 17

Introduction to Geological Reservoir Characterization

Instructor: Roger Staff

JULY
7-14

Modern Terrigenous Clastic Depositional Systems – Field Seminar

Location: South Carolina
Leader: Walter Saxon

JULY
17-23

Seismic Interpretation of Compressive Structures: Field Seminar

Location: Calgary area, Canada
Leaders: John Shaw and Frank Willett

JULY
11-18

Lacustrine Basin Exploration – Field Seminar

Location: Utah
Leaders: Alan Carroll and Meredith Rhodes Carson

JULY
19-24

Fractures, Folds, and Faults in Thrusted Terrains: Sawtooth Range, Montana – Field Seminar

Location: Great Falls, MT
Leaders: William Johnson, Steve Boyer, Chuck Kehn and Jim Sears

JULY
13-16

Basic Well Log Analysis – Short Course

Location: Denver, CO
Instructors: George Asaphs and Dan Kogwardt

JULY
26-30

Complex Well – Core Competency: An Asset Team Program – Short Course

Location: Dallas, TX
Instructor: Bob Kead

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More Science Than You Can Shake A Pick At.

For more information on any AAPG Education programs, call 918-560-2650 or toll-free 1-888-338-3387, or visit www.aapg.org/education.



Tuesday, June 15, 2010

Black Lab Pub, Churchill Room • 4100 Montrose Blvd.

Social 5:30 p.m., Dinner 6:30 p.m.

Cost: \$25 Preregistered members; \$30 non-members & walk-ups

The HGS prefers that you make your reservations on-line through the HGS website at www.hgs.org. If you have no Internet access, you can e-mail reservations@hgs.org, or call the office at 713-463-9476 (include your name, e-mail address, meeting you are attending, phone number and membership ID#).

HGS Environmental & Engineering Dinner Meeting

Lawrence M. Gochioco

LM Gochioco & Associates Inc.

GeoNano Technology Corporation

Katy, Texas

Coal Geophysics

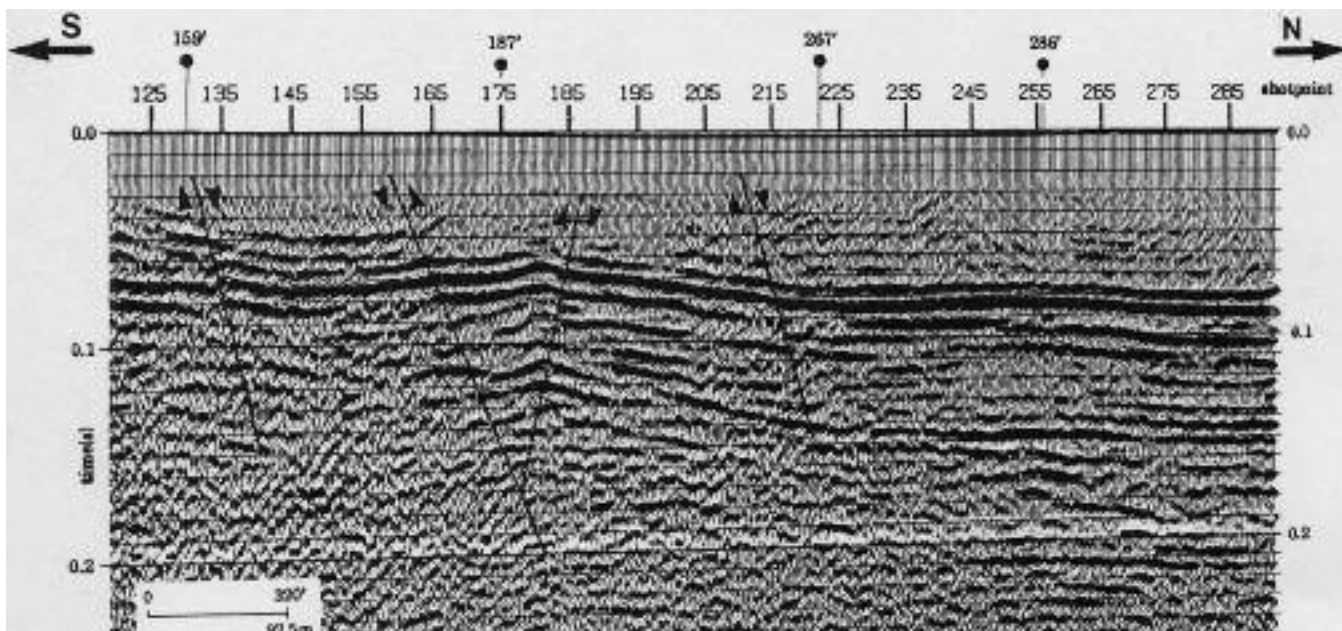
Over the last three decades, the application of geophysical technologies to coal has been limited in scope when compared to the petroleum industry. This is largely due to several key factors, namely: limited or lack of capital by mining companies, lack of exposure, inexperienced geophysicists, and more complexity. Thus, the subject of coal geophysics remained largely unknown or mysterious to the geoscience profession and industry.

From 1985 to 2000, Gochioco built the country's only multi-faceted coal geophysics program at the R&D Department of Consol Energy Inc. (former Conoco Coal Research Division). Consol Energy Inc. was the country's second largest coal producer and the world's largest operator of underground longwall mines. The coal geophysics program was developed to enhance the operations and safety of company mines. Various geophysical methods (seismic, electrical resistivity, electromagnetics, VLF, ground-

probing radar, etc.) were developed and employed to address the complex upstream and downstream challenges of coal mining.

Case studies will be presented to highlight the benefits of properly executed geophysical projects that provided solutions to problems

HGS Environmental and Engineering Dinner continued on page 17



Forming and Filling the Gulf of Mexico Basin— A Symposium

**During the 60th Annual Convention
October 10-12, 2010**

San Antonio, Texas

Hosted by the South Texas Geological Society



Welcome back to San Antonio! Our theme this year is “**Weathering the Cycles**” — a challenge that resource geologists have faced and overcome in the past. How do we weather the economic cycles? We...

- ✓ Network with our community
- ✓ Experience the latest technology in the technical exhibition
- ✓ Take a course or a trip and grow new and diverse skills
- ✓ Listen to special presentations on strategies to endure and prosper during an economic downtime and prepare for the inevitable rebound.

By celebrating our successes, facing our challenges, and learning from the research results of our peers, we are paid back many fold by sharing ideas and experiences among our professional community. So come and share your experiences!

PROPOSED SYMPOSIUM TALKS INCLUDE...

Rifting and Opening of the GOM Basin

Models for Gulf of Mexico Basin Opening and Sedimentation

Petroleum systems of the GOM Basin

Jurassic Depositional Systems, Facies and Reservoirs of the Northern Gulf of Mexico

Cretaceous Stratigraphy and Plays

Salt Tectonics and Petroleum Systems

The Opening of the GOM-Source Rocks and Petroleum Plays

Jurassic and Cretaceous in south Texas: Rifting and Foredeeps

Mesozoic Basins in Eastern Mexico

Mesozoic Source Rocks and Petroleum Systems, Offshore GOM Basin

Mesozoic Source Rocks and Petroleum Systems, Onshore GOM Basin

Future Potential of the GOM Basin Mesozoic.

associated with exploration, engineering, and environmental issues. According to the EIA, global coal consumption is anticipated to increase by 50% by the year 2030 as coal is a relatively cheap and abundant fuel. The speaker will present his recent international exploration activities in countries that are rapidly developing their domestic coal reserves and thus becoming more competitive in the global fuels market through the use of advanced remote-sensing technologies. ■

Biographical Sketch

LAWRENCE M. GOCHIOCO is the founder and president of LM Gochioco & Associates Inc. and GeoNano Technology LLC based in Houston, Texas, USA. He has a BS degree in Physics from Ateneo de Manila University, Philippines, and a MS degree in Physics from Ohio University. Thereafter, he worked for major US petroleum, coal, and geophysical service companies. As a Conoco geophysicist, he transferred to Consol Energy Inc. R&D in 1985 to develop and employ innovative oil field technologies to enhance coal mine



The coal geophysics program was developed to enhance the operations and safety of company mines.

safety and productivity. From 1985 to 2000, he successfully built the country's only multi-faceted coal geophysics program. He returned to the petroleum industry in 2000.

Gochioco has over 25 years of energy and environmental industry experience and is an internationally-renowned geophysicist. He has been an editor for the Society of Exploration Geophysicists (SEG), since 1990. From 2000 to 2004, he joined SEG's prestigious TLE Editorial Board and became the chairman during his 2003-2004 term. He has published over 30 technical papers and feature articles on coal geophysics in various technical and engineering journals.

After a series of high-profile coal mine accidents in the country, US government agencies frequently requested his geotechnical expertise to improve mine safety and productivity. As a result, he formed his own geotechnical consulting services company in 2004. The consulting business has gone international starting with projects in Mongolia.

He is a licensed Professional Geophysicist in the State of Texas and a certified mine safety instructor (#M99380653) by the Mine Safety & Health Administration (MSHA), US Department of Labor.

New Officers – HGS Board of Directors for 2010-2011

President John Tubb

Editor Barry Katz

President-Elect Steven A. Earle

Editor-Elect Ron F. Waszczak

Vice President Amy Sullivan

Directors Tarek Ghazi (2009-2011)

Treasurer David Meaux

Robert Pledger (2009-2011)

Treasurer-Elect Christina M. Higginbotham

John Adamick (2010-2012)

Secretary Cecelia Baum

Jennifer L. Burton (2010-2012)

Constitution and Bylaws Amendments

Paul Hoffman, chair of the Ballot Committee, reported for himself, Amy Sullivan, Craig Moore, Tina Hoffman, and Jim Ragsdale that on March 23, 2010 the committee met and the ballots were counted. The proposed constitution and bylaws amendments were passed unanimously. For details on the amendments please refer to the January 2010 *Bulletin* issue. ■



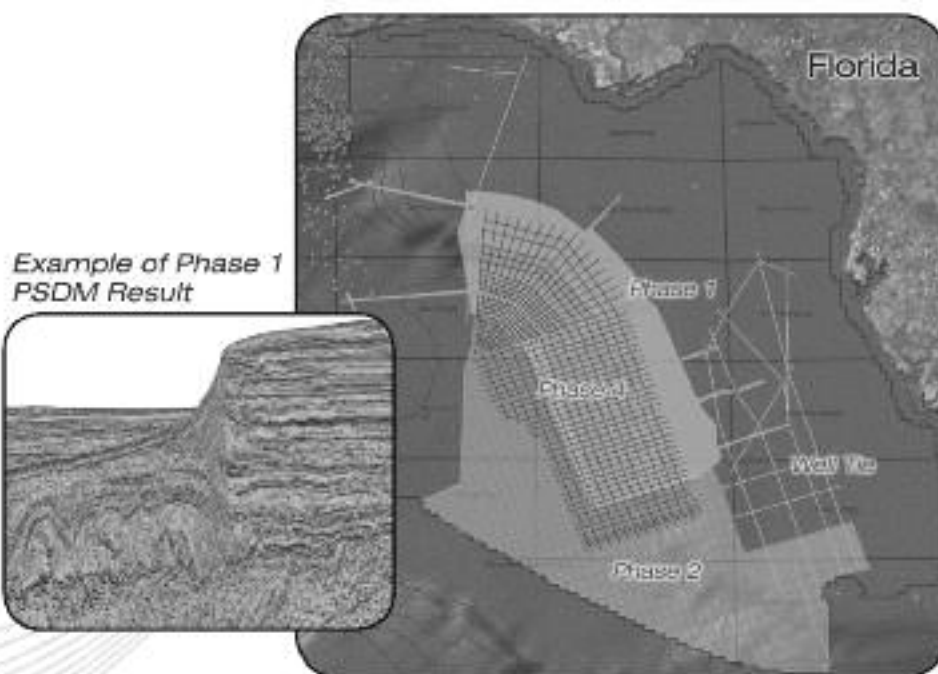
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Survey map showing new Phase 4 infill

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Contact: Spectrum Geo Inc, Tel: +1 281-647-0602
Email: mc-us@spectrumasa.com, www.spectrumasa.com

Thursday, June 17, 2010

Petroleum Club • 800 Bell (downtown)
Social 11:15 AM, Luncheon 11:30 AM

Cost: \$30 pre-registered members; \$35 for non-members & walk-ups;
Emeritus/Life/Honorary: \$15; Students: FREE

To guarantee a seat, you must pre-register on the HGS website (www.hgs.org)
and pre-pay with a credit card.

Pre-registration without payment will not be accepted.

You may still walk up and pay at the door, if extra seats are available.

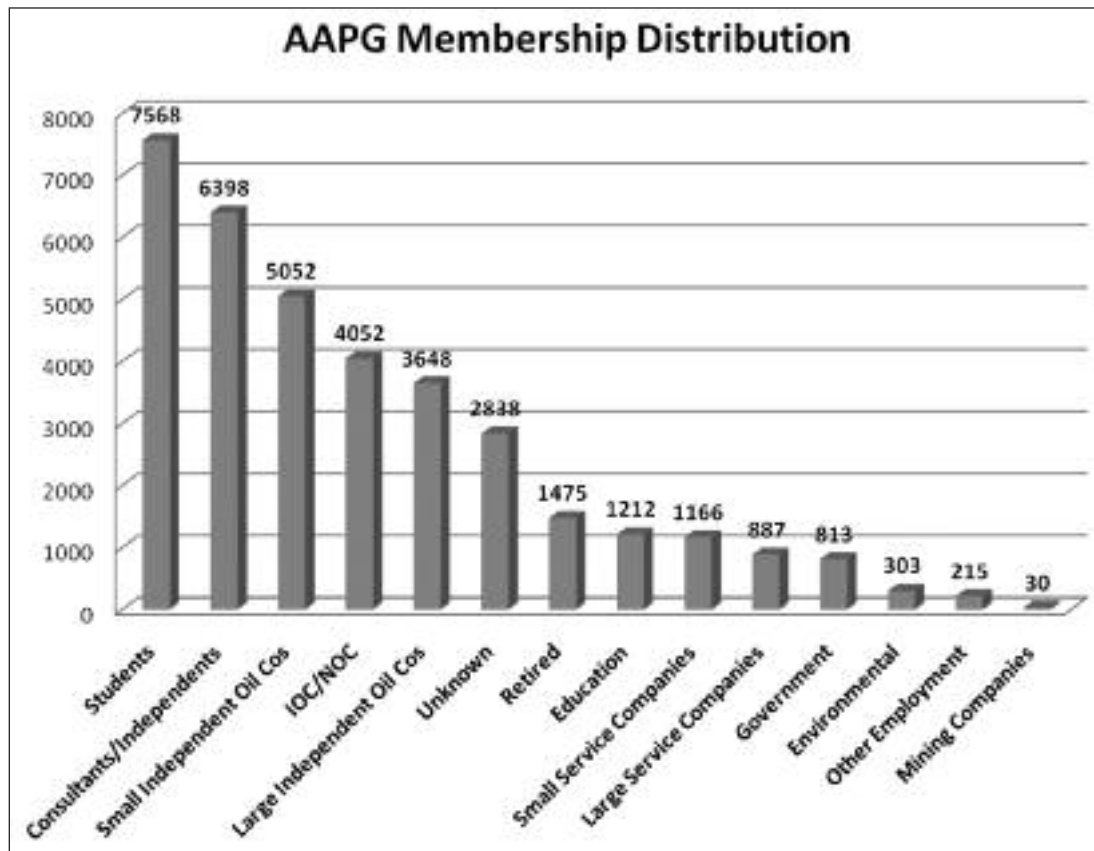
Joint HGS General and SIPES Luncheon Meeting

David G. Rensink

Joint HGS General and SIPES Luncheon Meeting

AAPG's Relevance to Independent Geologists

If you have spent most of your career and plan to spend the rest of it working in Texas Railroad Commission District 3, you may know all you need to know about what you do on a daily basis, and it would be very reasonable to ask what AAPG can do for you. No matter how restricted your area of interest may be; no one works in a vacuum. If there is one certainty in this business, it is that data and information are paramount in the pursuit of hydrocarbons, and we never seem to know it all.



AAPG is first and foremost about the science of petroleum geology. For ninety three years, AAPG has provided what we hope is an unbiased forum for the dissemination of scientific information on the various facets of petroleum geology through the *Bulletin*, the *Explorer*, special publications, conferences, workshops, and short courses. AAPG does not have an exclusive on dissemination of the science. Certainly, HGS and SIPES have a long and admirable history of doing much the same thing, but if AAPG is not at the top of the list of data providers, I think we are very close to it.

We not only disseminate information, we also archive it in the form of Datapages, GIS-UDRIL, and Search and Discovery. All of AAPG's publications are available on Datapages. A lot of this

information is open to the membership and the amount of archived information open to the membership is increasing every year. The rest of it is available at a reasonable price as pay-per-view. At a minimum, all issues of the *Bulletin* and *Explorer* are available to AAPG members digitally at no additional cost beyond membership dues.

*No matter how restricted your
area of interest may be; no one
works in a vacuum.*

The last AAPG member survey rated our publications as the most valuable service AAPG provides to its membership, and members rated networking as the second most valued benefit of membership. If you do not have all the information you need at your fingertips, it is nice to know the people who can fill the gaps.

Joint HGS General and SIPES Luncheon continued on page 20

Joint HGS General and SIPES Luncheon continued from page 19

The competitive advantage enjoyed by an independent petroleum geologist does not lie solely in the data. It lies in an understanding of the regional geology and in the ability to combine all of the available data in such a way as to form a concise interpretation that mitigates as much risk as possible. AAPG can help with that through our publications, data archives, and our educational opportunities.

AAPG is also an advocate for the professional practice of petroleum geology. You do not need to belong to AAPG or AAPG's Division of Professional Affairs to be a professional, but membership in AAPG and adherence to the code of ethics shows we are concerned about the professional practice of petroleum geology. As professional practitioners, why would we not support an organization that supports our livelihood? ■

Biographical Sketch

DAVE RENSINK has nearly forty years of experience in the oil and gas business in technical, supervisory, and executive management positions with major oil companies and independents of various sizes. He started his career with Shell in New Orleans and subsequently worked for Odeco, C&K Petroleum, Fluor Oil &

Gas, Texas Gas Exploration/CSX Oil and Gas, Total Minetome, Pacific Enterprises, as a consultant, and for Apache. He retired from Apache in 2009 and is currently in private practice.

His work experience has been in the exploration for and the development of oil and gas, primarily on the continental shelf of the Gulf of Mexico.

Mr. Rensink is a member of the American Association of Petroleum Geologists, the Society of Exploration Geophysicists, the American Institute of Professional Geologists, the Association of Environmental & Engineering Geologists, the Houston Geological Society, and the Geophysical Society of Houston. He is a past president of HGS and of the Texas Section of AIPG and is currently president-elect of AAPG.

His education includes a BS in geology from the University of Minnesota (1968) and an MS in geology from the University of Oklahoma (1971).



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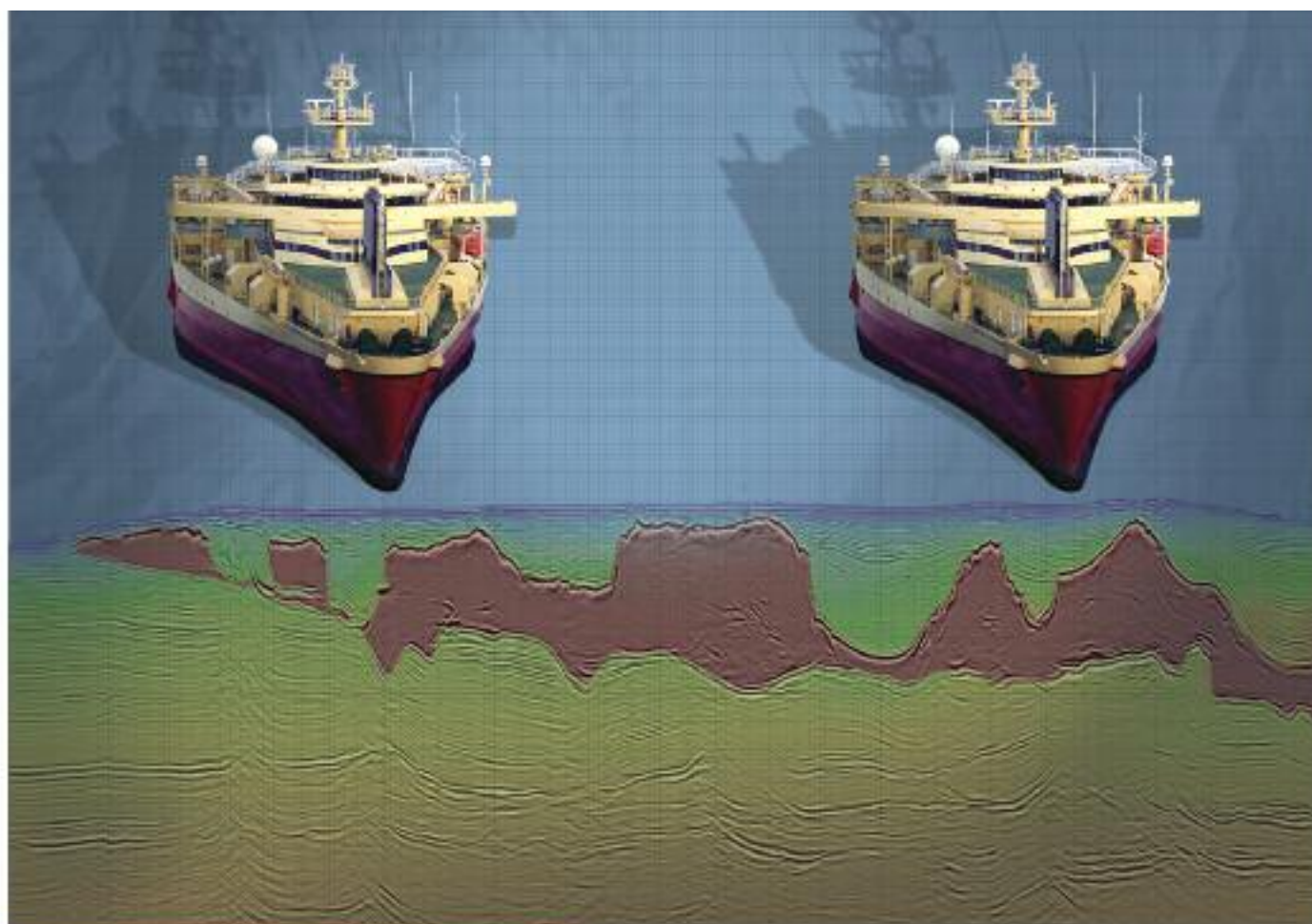
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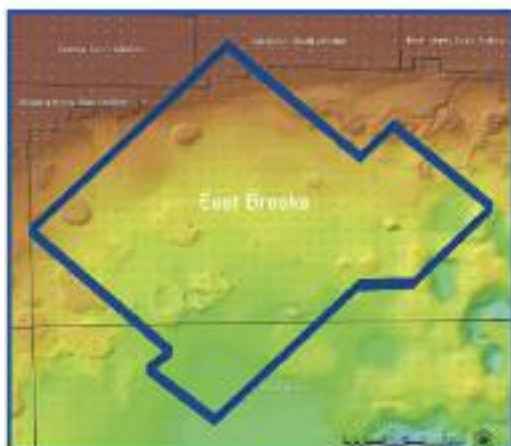
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Houston Geological Society Awards

2009–2010 Honorary Life Membership

Honorary Life Membership is bestowed upon persons who have distinguished themselves in the science of geology or have contributed outstanding service to the success and welfare of this organization.

Honorary Life Membership Award



Ken Nemeth

The Houston Geological Society is pleased to give the Honorary Life Member Award to Kenneth E. Nemeth. Ken has given many hours of service in various capacities to the HGS, AAPG, GCAGS and the Dallas Geological Society.

For the HGS he has served on the Entertainment (1981-1985), Employment (1989-1991), Website (2003-2004), and Guest Night (2005-2007) committees. He has been the Chairman of the Finance (2001-2005) and Office committees (2007-2010). He was Treasurer-Elect (2004-2005) and Treasurer (2004-2006). The Treasurer term dates are not a typo. When the Treasurer for the 2004-2005 term resigned after one month in office, Ken assumed the Treasurer's duties for two years. This is called "above and beyond the call of duty".

His AAPG efforts include Vice Chairman, Imperial Barrel Award Committee and the Employment Committee Chairman for the 1997 National Convention in Dallas.

For the GCAGS he was Continuity Committee Chairman (2010), Continuity Committee (2006-2009), Awards Committee (2008-2011), Past President (2008-2009), President (2007-2008), President-Elect/Vice-President (2006-2007), Continuity Committee (2006-2008), Section Point Coordinator and Committee for AAPG Imperial Barrel Award, student exploration contest (2007).

For the Dallas Geological Society, Ken was Alternate Delegate (1996-1998, 1998-2000), Delegate Vice-Chairman (1998-2000), Newsletter Editor, Awards Committee Chairman (1998-1999),

Co-Founder and Steering Committee Chairman (1998), former Board Member and Instructor, Ellison Miles GeoTechnology Institute, Brookhaven College (1998 – 1999), Outstanding Service Award (1998), Past President, Nominating Committee Chairman (1997-1998), President, Newsletter staff/editor (1996-1997), Host Society for AAPG Convention, President-elect/Secretary (1995-1996), Employment Committee (1991-1995) and Chairman (1992-1995).

As you can see from the above, Ken has been very active in a multitude of positions for the HGS, AAPG, GCAGS, and the Dallas Geological Societies from 1981 to the present.

Ken has worked for Shell Oil Company, Louisiana Land & Exploration, Blue Sky Oil & Gas, Adobe Resources (Adobe Oil and Gas Corp.), Browing Oil Co., and Schlumberger. Ken currently serves as Senior Geoscientist in Schlumberger's Data and Consulting Services Reservoir Characterization group.

Ken received a BA in Geology from Albion College, Albion, Michigan, in 1973, and the MA degree from the University of Texas at Austin in 1976.

The HGS has previously given Ken the Rising Star Award (2003), the President's Award (2005), and the Distinguished Service Award (2007).

Ken, thank you for your years of dedicated service to the Houston Geological Society. ■

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2009–2010 President's Awards

This award has been established to honor members whose extraordinary efforts or unique contributions deserve special recognition.

President's Award



Jennifer Burton

JENNIFER BURTON received a BS degree in Geology from the University of Memphis in 1993 and a MS degree in Geology from the University of North Carolina-Chapel Hill in 1996. Upon graduation, she was employed by Anadarko Petroleum Corporation where she worked on a variety of exploration and development projects in the major onshore basins of the lower 48, Alaska, and offshore Brazil. In addition to her technical roles, she gained valuable leadership experience working as a geological supervisor in Anadarko's Enhanced Oil Recovery team and in working on business development and strategy projects as a member of the Corporate Strategic Planning group in her last three years with Anadarko. Jennifer left Anadarko in 2007 to work on asset acquisitions and divestiture projects with Griffis & Associates as VP of Geoscience. She is an AAPG Certified Petroleum Geologist (# 5985) and an active member of the Houston Geological Society, where she has served as past Secretary and continues to serve as Co-chairman of the Earth Science Week Committee. She joined Legado Resources in September, 2008.

Jennifer has worked tirelessly to further the earth sciences in the educational community. She has participated in Earth Science Day at the HMNS and sponsored rock kits with the Boy Scouts. She was one of the driving forces to bring attention to earth science at the Texas Academy Convention in Galveston by co-organizing a field trip to the Bolivar Peninsula to show the effects of Hurricane Ike. It is for this dedication and service that we present to Ms. Burton a 2010 President's Award. ■

President's Award



Janet Combes

JANET COMBES received a BS in geology from LSU. After moving to Houston and starting her career in the petroleum industry she earned a MS degree in applied geophysics at the University of Houston. In 1984, she went back to school full time at the University of Texas at Austin where she received a PhD in geology in 1990 under William E. Galloway. Her dissertation focused on the Vicksburg Formation of Texas and Louisiana. Janet continues to stay current on the Vicksburg-Frio play.

During her career Janet has worked and lived in Houston, Denver, Dallas, Austin, Lawrence, KS, and Tulsa, OK. She is currently working as a consultant via her company, Jay Geoscience. In the past she has worked for small consulting and research firms, the Texas Bureau of Economic Geology, the Kansas Geological Survey, and a number of petroleum exploration companies: Tenneco, Superior Oil, Mobil, Sun, Sohio, Amoco, ExxonMobil, and ConocoPhillips. Her projects have covered the globe and have focused on clastic depositional systems and the use of sequence and seismic stratigraphy to generate prospects. In the past year alone, she has worked south Texas, southeast Texas, the Ganges Delta off India, east Africa offshore, the eastern Mediterranean, and deep water west Africa. Previous projects have included a groundwater study and numerous geological and geophysical interpretations of potential petroleum targets in shallow and deep water Gulf of Mexico, south Louisiana, south Texas, west Texas, Mississippi, the east coast of the US, Alaska, Colorado, New Mexico, China, Iran, Angola, and the Niger Delta. Janet has published 22 papers and 21 abstracts. She received a Best Paper of Session Award and was invited to SEG for a "Best of AAPG" session.

Janet is active in several professional associations — especially the Houston Geological Society. She was an HGS Director from 2002-2004, has served as co-chair for the Earth Science Week committee, is active as an HGS volunteer docent at the Houston

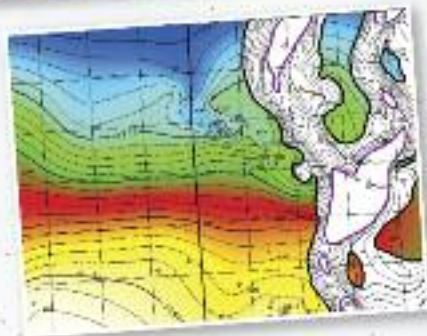
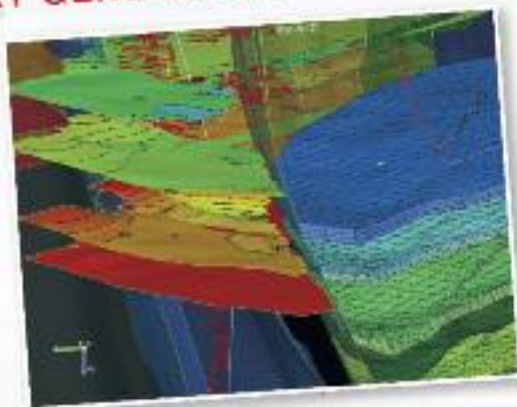
President's Award - Janet Combes *continued on page 35*

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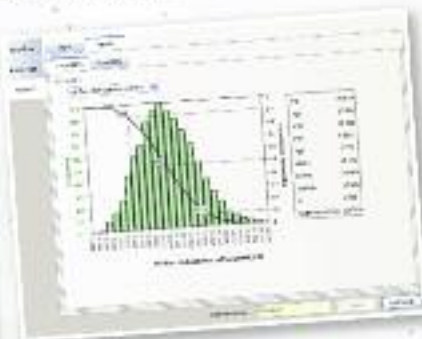


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2009–2010 President's Awards

This award has been established to honor members whose extraordinary efforts or unique contributions deserve special recognition.

President's Award



Joe Lynch

JOE LYNCH is one of the recipients of this year's President's Award. Mr. Lynch is the chairman of the Finance Committee. His responsibilities have included the creation and tracking of the society's budget. HGS is a large society with many committees and each committee has expenses and income. Having a sound budget helps the HGS Board of Directors track the financial health of the society throughout the year and adjust the business plan as needed. The budget helps during the society's auditing and tax preparation processes. In addition to the budget the Finance Committee is responsible for maintaining HGS's investment portfolio. Joe serves as the primary point of contact for the society's investments. This responsibility has been especially challenging with the financial crisis of the past year. Joe has done an outstanding job with both the budget and the HGS investment portfolio. He has been chair of the Finance Committee since 2006 and was chair of the Vendor Corner committee from 2003 to 2006.

Mr. Lynch is the vice president of the Reservoir Optimization Division of SPT Group in Houston, where he is responsible for the division's business and operations in North and South America. He has a geology degree from Nottingham University and an MBA from Warwick University, both in the UK. Most of his technical experience has been in production and operations geology, with a focus on geological modeling and geostatistics. Prior to coming to Houston, he gained experience working in Europe, Africa, and Russia. ■

President's Award



Sue Pritchett

SUE PRITCHETT earned a BSc in petroleum engineering at the University of Texas at Austin. Upon graduation she began her career as a reservoir engineer with Enserch Exploration in Dallas, working such east Texas tight gas fields as Opelika, Willow Springs, and Whelan, which produced mainly from the Travis Peak and Cotton Valley.

In 1997 she moved to Houston and changed career to sales and marketing with ResTech Inc. where petrophysics and integrated reservoir characterization studies led to an increased interest in geology. As marketing director, Ms Pritchett was tasked with merging Bill Ross' company, Interpretive Imaging (smartSECTION), into A2D Technology. She then represented Bell Geospace's non-seismic geophysics 3D full-tensor gravity gradiometry data in the Gulf of Mexico to enhance salt interpretation.

In 2007, Ms Pritchett began working with KSI's software and services to provide pore pressure prediction. She joined Ikon Science Americas in 2008 and is now working with the Quantitative Interpretation Services group. Her current project involves a regional pressure analysis of the deepwater Wilcox in the Gulf of Mexico through Dr. Richard Swarbrick's group, GeoPressure Technology.

In 2009, Ms Pritchett was asked to become the Volunteer Coordinator for the HGS. She is responsible for not only connecting volunteers with the correct committees but also in assisting committees to find volunteers. She has helped find chairmen for committees along with representing the HGS at the Science Fair and taking over as the HGS representative for the ECH as Vice-President. Her contribution to the HGS this year has been nothing less than stellar. It is for these activities that HGS awards Sue Pritchett a 2010 President's Award. ■



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2009–2010 President's Awards

This award has been established to honor members whose extraordinary efforts or unique contributions deserve special recognition.

President's Award



Sharie Sartain

In the fall of 2009 **SHARIE SARTAIN** relinquished her role as the AAPG HOD Foreman and immediately stepped in as Membership Chair. Within a very short period of time she took ownership of the processing of membership applications for the HGS Board's approval. Sharie communicated regularly with Lily Hargrave and Amy Sullivan, to ensure quick action on applications by the HGS Board. This may seem like a simple task, but applicants often have variable geological educations and professional experience. She was able to sort the applicants into Active, Associate, Student and Emeritus categories and summarize individual qualifications so the Board would not have to "study" the application during their monthly HGS meeting but could take the appropriate actions. This allowed the names of the newly approved members to be sent to Barry Katz so that they could be published in the *Bulletin* without delay. When you are in a volunteer organization this type of efficiency is of high value. The process of approving members is now simpler than ever. For services to HGS this year in her role as Membership Chair she receives a President's Award. ■

President's Award



Justin Vandenbrink

JUSTIN VANDENBRINK has been an enthusiastic HGS volunteer and leader ever since he stepped up to chair the International Explorationists Committee in 2008. In addition to delivering excellent international technical programs these past two years, he has been a dependable contributor to a variety of other HGS events, including the 2010 Africa Conference Organizing Committee and his lead role in the past two HGS Holiday Parties. Mr. Vandenbrink is also an active education outreach volunteer, having spoken at the 2009 HGS Career Day and serving as the master of ceremonies at several workshops for recent graduates held by the Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA). We are happy to recognize Justin for these contributions and award him a President's Award, and look forward to his masterful presence at the podium and stellar contributions behind the scenes for years to come. ■



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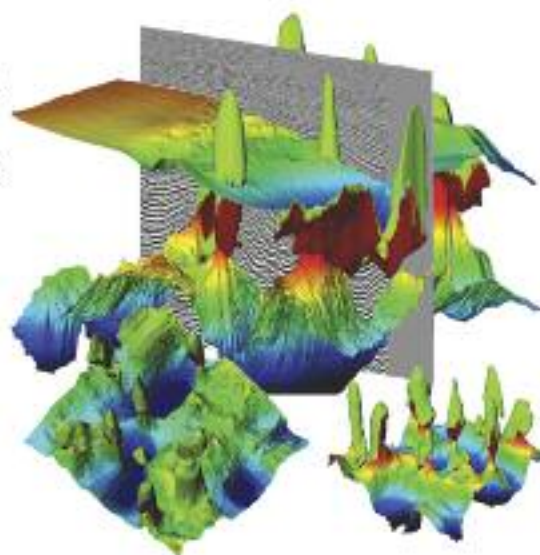
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SYSTEMS ACQUISITION LICENSING PROCESSING IMAGING

June 2010

S u n d a y

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W e d n e s d a y



	Members Pre-registered Prices: General Dinner Meeting..... \$28 Nonmembers & walk-ups \$35 Env. & Eng. \$25 Luncheon Meeting \$30 Nonmembers & walk-ups \$35 International Explorationists \$28 North American Explorationists \$28	1 HGS Board Meeting <i>6 p.m. HGS Office</i>	2
6	7	8 Applications of Reservoir Fluid Geochemistry – AAPG Hedberg Research Conference <i>Vail, CO</i>	9
13 AAPG Rocky Mountain Section Meeting <i>Durango, CO</i>	14	15 HGS Environmental & Engineering Dinner Meeting <i>“Coal Geophysics”, Lawrence M. Gochioco</i> <i>Black Lab Pub</i> <i>Page 15</i>	16
20	21	22	23
27	28	29	30

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GEOEVENTS

Thursday

Friday

Saturday

3	4	5
10	11	12
17 Joint HGS General and SIPES Luncheon Meeting "AAPG's Relevance to Independent Geologists", David G. Rensink Petroleum Club Page 19	18	19 10th Annual GSH/HGS Saltwater Fishing Tournament The Fish Spot Marina, Texas City, TX, Page 4 27th Annual HGS Skeet Shoot Greater Houston Gun Club, Missouri City, TX, Page 6
24	25	26
31 NOW you can make your reservations on-line at www.hgs.org	Reservations: The HGS prefers that you make your reservations on-line through the HGS website at www.hgs.org . If you have no Internet access, you can e-mail reservations@hgs.org , or call the office at 713-463-9476. Reservations for HGS meetings must be made or cancelled by the date shown on the HGS Website calendar, normally that is 24 hours before hand or on the last business day before the event. If you make your reservation on the Website or by email, an email confirmation will be sent to you. If you do not receive a confirmation, check with the Webmaster@hgs.org . Once the meals are ordered and name tags and lists are prepared, no more reservations can be added even if they are sent. No shows will be billed.	



Upcoming GeoEvents

- June 8-10, 2010**
Applications of Reservoir Fluid Geochemistry – AAPG Hedberg Research Conference *Vail, CO*
- June 13-16, 2010**
AAPG Rocky Mountain Section Meeting *Durango, CO*
- July 4-8, 2010**
Australian Earth Sciences Convention *Canberra, Australia*
- July 22, 2010**
Technofest *Houston, TX*
- September 8-9, 2010**
9th African Conference – Africa: A Multi-faceted Promise *Houston, TX*
- September 11-15, 2010**
North American Geology in the 21st Century: Today and Tomorrow
American Institute of Professional Geologists *Lake Buena Vista, FL*
- September 12-15, 2010**
AAPG International Conference & Exhibition *Calgary, Canada*
- October 4-7, 2010**
Geology of Unconventional Gas Plays *Geological Society, London*
- October 10-12, 2010**
GCAGS GCSEPM Convention *San Antonio, TX*
- October 31 – November, 2010**
Geological Society of America Annual Meeting *Denver, CO*
- November 4-5, 2010**
Advances in Carbonate Exploration and Reservoir Analysis *Geological Society London, England*
- November 14-19, 2010**
Deepwater Offshore West Africa Conference & Exhibition *Abuja, Nigeria*
- April 10-13, 2011**
AAPG Annual Convention & Exhibition *Houston, Texas*



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2009–2010 Editor's Award

This award has been established to honor members whose extraordinary efforts or unique contributions to the Bulletin deserve special recognition.

Editor's Award



James Ragsdale

Editor's Award



Charles Revilla

Many professionals consider that preparing an initial draft is the most difficult of tasks. Often these drafts are in need of editing before they are ready for publication. Effective writing has become a lost “art” as a result of PowerPoint, texting, and “tweeting”. Two gentlemen have worked tirelessly for HGS to take the initial drafts received to a level that ensures that the content of the *Bulletin* is sharp, clear, and concise. Both James Ragsdale and Charles Revilla have reviewed and commented on nearly every article published in the *Bulletin* this year. These two gentlemen have each reviewed more than 100 abstracts, news articles, technical notes, and biographies this year alone.

JAMES RAGSDALE has served on the HGS *Bulletin* staff since 2005. He is a consulting geologist and has been a member of HGS since 1963. He was assistant editor of “Deltas in Their Geologic Framework”, which HGS published in 1965. He served HGS as president in 1996-1997.

CHARLES REVILLA began his career with Internal Petroleum Company in Talara, Peru. He then joined Amoco Production Company where he worked for 27 years before retiring for the first time. Consulting work followed from 1986 to 1995, when he finally retired. Since September, 1995 Mr. Revilla has worked continuously on the Editorial Committee of the HGS *Bulletin*. He has also contributed short geological essays and travelogue pieces for the *Bulletin* beginning in 1990.

For their efforts the HGS is pleased to award both James Ragsdale and Charles Revilla *The Editors Award* for special service to the *Bulletin*. ■

President's Award - Janet Combes *continued from page 25*

Museum of Natural Science, was instrumental in setting up the Northsiders committee, hosts the HGS booth at the annual HGMS show, and has served as the student host at the annual HGS Guest Night. She has received awards from the Houston Geological Society, the Association for Women Geoscientists, the Engineering and Science Council of Houston, and the Texas Earth Science Teachers Association for her volunteer efforts in geoscience outreach to children, college students, and teachers.

Janet was on the GCAGS /GSA planning committee for the 2008 convention, was a member of the AAPG House of Delegates from 1999-2002, chaired sessions at AAPG, GCS-SEPM, and GSA conventions, served on several SEPM committees, and was once editor for the GSA Sedimentary Geology Division newsletter.

For her long list of contributions to the Society and the geologic community, HGS is pleased to award Janet Combes a President's Award in 2010. ■

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Joern Hauer, *Nancy Setzer Murray Memorial Grant*

New Mexico State University

Aubrey Collie, *Sherman A. Wengerd Memorial Grant*

University of Wyoming

Karen Aydinian, *Weimer Family Named Grant*

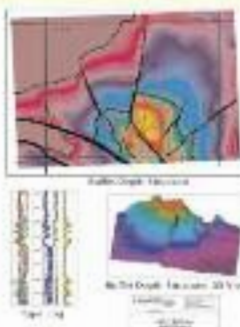
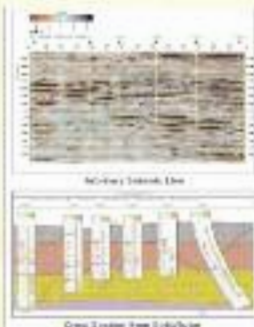
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2009–2010 Rising Star Award

This Award has been established to honor individuals who are relative newcomers to the Houston Geological Society who have made significant and promising contributions to the enhancement and success of the HGS.

Rising Star



Carrie Kidd

CARRIE KIDD began her service to the HGS as a member of the NeoGeos in early 2009. Her hard work and enthusiasm quickly earned Carrie the position of co-chairman of the NeoGeos. She has been instrumental in hosting monthly Thirsty Thursdays and has expanded the range of NeoGeo activities to include activities such as “A Night at the Ballet”, Romeo and Juliet performed by Dominic Walsh Dance Theatre, Learn to Curl with the Curling Club of Houston, and the upcoming “Afternoon at the Ballpark” to watch the Astros. Ms Kidd will become chairman of the NeoGeos in August. For her dedication and excellent leadership skills, the HGS proudly presents her a Rising Star Award.

Carrie Kidd received a BS in geology from Marshall University and an MS in geology from the University of Kentucky. She currently works for BHP Billiton and has been an AAPG member since 2004. ■

Rising Star



David J. Tonner

DAVID J. TONNER receives the HGS Rising Star Award in recognition of his dedicated contributions since 2006 as a leader in the HGS Northsiders Committee. He has clearly made significant and promising contributions to the enhancement and success of the HGS. In his HGS leadership role he develops the ongoing technical program, the handling of the program venue, and the leadership with his team. His service beyond just the Northsiders includes his contributions from the beginning (since 2007) in the logistics and organizational support of the annual HGS Conference, “Gulf Coast Mudstones as Unconventional Reservoirs”.

The Northsiders committee that Mr. Tonner chairs arranges luncheon meetings with a wide range of technical topics from unconventional resources to Gulf Coast, GOM offshore, and occasionally international theme, to serve HGS members who either live or work on Houston’s north side.

Mr. Tonner’s expertise is in delivering, developing, and supporting advanced technology applications for both onshore unconventional as well as for offshore conventional wells. He has demonstrated a keen interest in advanced technologies and how they can be practically delivered to operational sites and ultimately interpreted by senior geoscientists. This perspective has helped him deliver an outstanding technical program of speakers for the HGS membership.

He is a manager with Weatherford Surface Logging Systems specializing in petroleum systems analysis (HC source, reservoirs, seals) through applying advanced well-site applications and equipment to ultimately improve completions. He has worked in many international and domestic E&P projects in his career.

The HGS thanks David Tonner for serving HGS as a leader and for his dedication to the Northsiders community. ■



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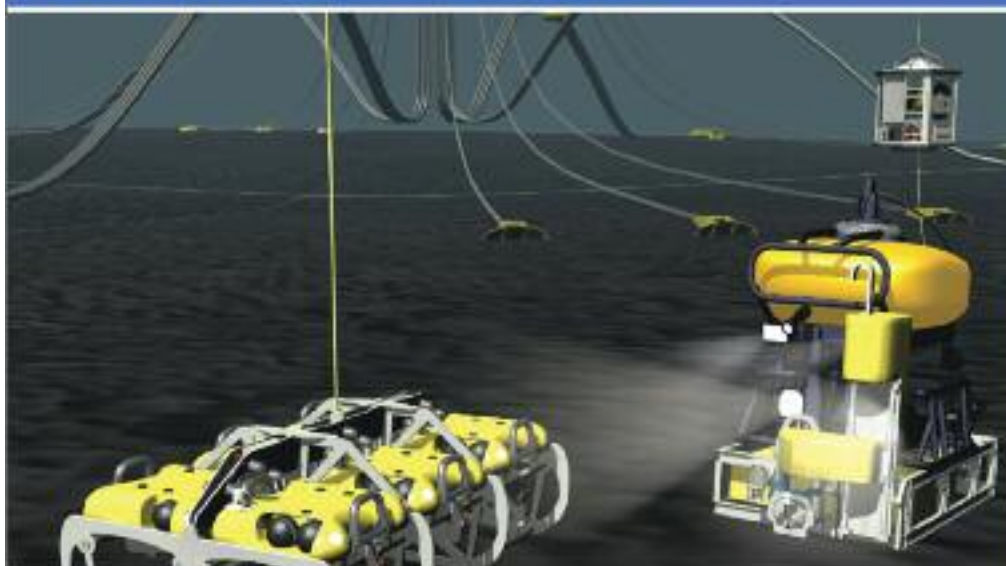


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RAISING THE **STANDARD**

2010 Annual Scout Fair

Thom Tucker

The HGS and GCS-Society of Petroleum Engineers worked together at the 2010 Annual Scout Fair. Early on April 24, 2010 Robert Pledger arrived at the Reliant Arena to set-up the HGS Exhibit backdrop. Tracy Jones and Jeffrey Barnhill (SPE) talked to the Cub and Boy Scouts about the petroleum and rock samples in the “Energy4Me” display and explained the fluid flow model (which looks like a 20” x 32” ant farm with layers). ‘Mac’ Hooton (GSH) spent over four hours explaining rocks, minerals, and the Mohs Hardness Scale using material provided by the Houston Gem and Mineral Society. Thom Tucker (HGS) explained and compared surface hand-samples with well-cores of sedimentary rocks. A map of the earth’s continents and crustal plate boundaries/spreading centers was used to explain the recent Iceland volcanic eruption. Tucker used rock and petroleum samples, the geologic map of Texas, the “K-12 Poster” set and a Rock Cycle poster to explain the job of a petroleum geoscientist. These activities satisfied part of the requirements for the geology merit badge, which Tucker was able to sign-off for seven (7) Boy Scouts, on a requirements worksheet. These Scouts each received one of the “Texas Rock Kits” purchased by HGS from the BEG. Three-color-highlighters from Core Labs were provided for awards by Evelyn Medvin. From 2:30 to 4 pm, Jennifer Burton (HGS) used rock samples, the “Texas Rock Kits” and posters to present and discuss elements for the geology ‘belt loop’ to a number of Cub Scouts. ■



2010 Annual Scout Fair

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Outstanding Student Award

This student has been selected by faculty for outstanding academic achievement and contributions to geology.



Veronica Sanchez earned her undergraduate degree in geophysics and geology from the University of Houston. Before engaging in graduate studies, she worked for CoreLab in the petrophysics division for about a year. She received her master's degree in geology from the University of Houston, where she is currently a PhD candidate in structural geology and tectonics. Her dissertation project focuses on the structural development of a rift system in south-central Tibet and how its evolution fits in the context of internal deformation of the Tibetan Plateau. She is interested in crustal deformation and how this deformation is manifested in different tectonic environments. One aspect of crustal deformation that attracts her is how faults accommodate deformation in collision zones and their function in the spatial and temporal evolution of the orogen. She spent several field seasons in western Tibet (master's thesis work) and south-central

Tibet (dissertation work), where she conducted field mapping excursions sometimes in frigid weather. She has presented and published research in abstracts at annual meetings of the Geological Society of America (GSA) and the American Geophysical Union (AGU) and recently in the Geological Society of America Bulletin. She has held internship and co-op positions from BP and ConocoPhillips that have helped broaden her geology skills by working in various projects onshore and offshore and networking with experts in the petroleum industry. When the opportunity arises, she participates as field assistant to other graduate students to gain different perspectives on field methods, expand her understanding of different disciplines, and learn about the geology of different areas. She has recently worked with other graduate students in northern Mexico, west Texas, and northern New Mexico. Her research is grounded in field geology, but she integrates neotectonics, geochronology, and remote-sensing methods. Her aspirations upon graduation are numerous, however, she plans to join academia and pursue active research in structural geology and tectonics. She is a member of the Rice-University of Houston Alliance for Graduate Education and the Professoriate program (AGEP). The goal of the AGEP program is to increase the number of under-represented minorities obtaining PhD's. As an active participant of AGEP, she is expected to conduct research and present results at local and national conferences. Additionally, she mentors science and engineering undergraduate students in summer research projects and participates in community outreach activities, such as judging science fairs or NASA-sponsored science competitions (such as the recent Mars Rover model competition held at the University of Houston). The AGEP program promotes scholarship, leadership and diversity in academia, which is something Ms. Sanchez has learned to cultivate and hopes to take with her to other places. She is a member of the Houston Alumni Organization (HAO), SEG, GSA and AGU. Some of her pastimes include running, climbing and photography. ■

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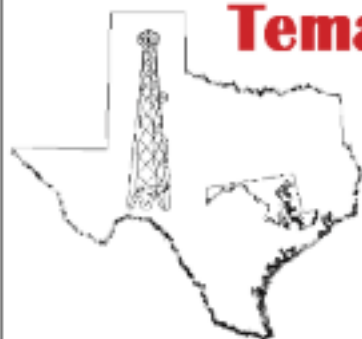
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TechnoConference at TechnoFest!

Deborah Sacrey

New this year at Technofest will be “TechnoConference”! This will be a series of technical presentations, including a luncheon speaker, and timed to be finished by the start of TechnoFest at 2:30 pm.

Rene Mott is the Chair of TechnoConference and has already secured some wonderful and interesting talks for presentation.

Starting off in the morning will be Rocky Roden giving a review of new technologies since the year 2000. Peter Duncan will be informing everyone about the latest in microseismic technologies. Seismic City will be giving a presentation on the evaluation of the accuracy of GOM sub-salt depth imaging and Jim Gaiser will be talking about new technologies in multi-component data.

Ian Bryant, Senior Geoscience Advisor for Schlumberger will be the luncheon speaker and will be talking about integrated earth models and their value in pre-drill exploration and post-drill exploitation. He will cover the use of regional scale models to identify resource richness (“sweet spots”) in order to identify prospective acreage in new unconventional plays. He will also discuss how, as more wells are drilled and unconventional plays become better understood, earth models provide a framework to improve completion efficiency and optimize field development strategies.

Rene is working on garnering the last few talks to round out the program, and updates as well as abstracts will be posted on the TechnoFest web page as they are received.

The TechnoConference will be held in the Westin Galleria’s Woodway III, close to the area where TechnoFest takes place

(Woodway I and II). The entire Woodway area has been completely renovated this past year, with new carpeting, ceilings, air-conditioning and lighting. It is absolutely beautiful and we are really looking forward to a highly attended event – so please make your reservations today!

Costs for the Conference (not including lunch) will be \$40.00/person (HGS member) or \$50 for non-members. Luncheon cost is \$40 and TechnoFest (2:30 pm – 8:30 pm) is \$10 – which includes one free drink ticket! So total cost for the day is \$90 if you are an HGS member or \$100 if you are not! Such a deal!

Of course Sponsorship opportunities exist, which help with food and beverage service for TechnoFest. This year, the sponsorship levels are \$1000 for Platinum, \$500 for Gold, \$250 for Silver and \$100 for Bronze. All sponsors are recognized on the web page with a link to their home page with a click to their logo, as well as huge posters at each drink and food station during TechnoFest. They will also have posters placed next to the coffee station during TechnoConference and in the luncheon room. We have many ways to express our thanks to our wonderful sponsors!

If you need any information on TechnoConference, please contact Rene Mott at queenmio@att.net or on TechnoFest, Deborah Sacrey at dsacrey@auburnenergy.com, Bonnie Milne at bonnie.milne@swiftenergy.com or Jim Grubb at jgrubb@slawsoncompanies.com

Bonnie is helping with Sponsorship and Jim is helping with volunteers necessary to run this event. ■

Thursday, July 22, 2010 • Westin Galleria
HGS TechnoConference–2010
8:00 am–2:00 pm

HGS TechnoFest–2010
2:30 am–8:30 pm

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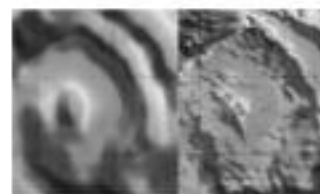
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SUMMER TECHNOFEST 2010

Thursday, July 22nd – 2:30 pm – 8:30 pm
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Description: The HGS Emerging Technologies Group is inviting companies to come and share their new technologies and research. We are reserving space at the Westin Galleria Hotel. The event will be held on July 22nd, from 2:30 pm to 8:30 pm. We will have finger foods and a cash bar. People attending this function will be eating and drinking while viewing the latest in technology and research. There will be a small admission fee for each person attending. An announcement will be run on the HGS site, if a URL is provided, the vendor list will be directed toward the vendor's home page.

Companies wishing to participate as a sponsor should fill out the following contract, and return to:

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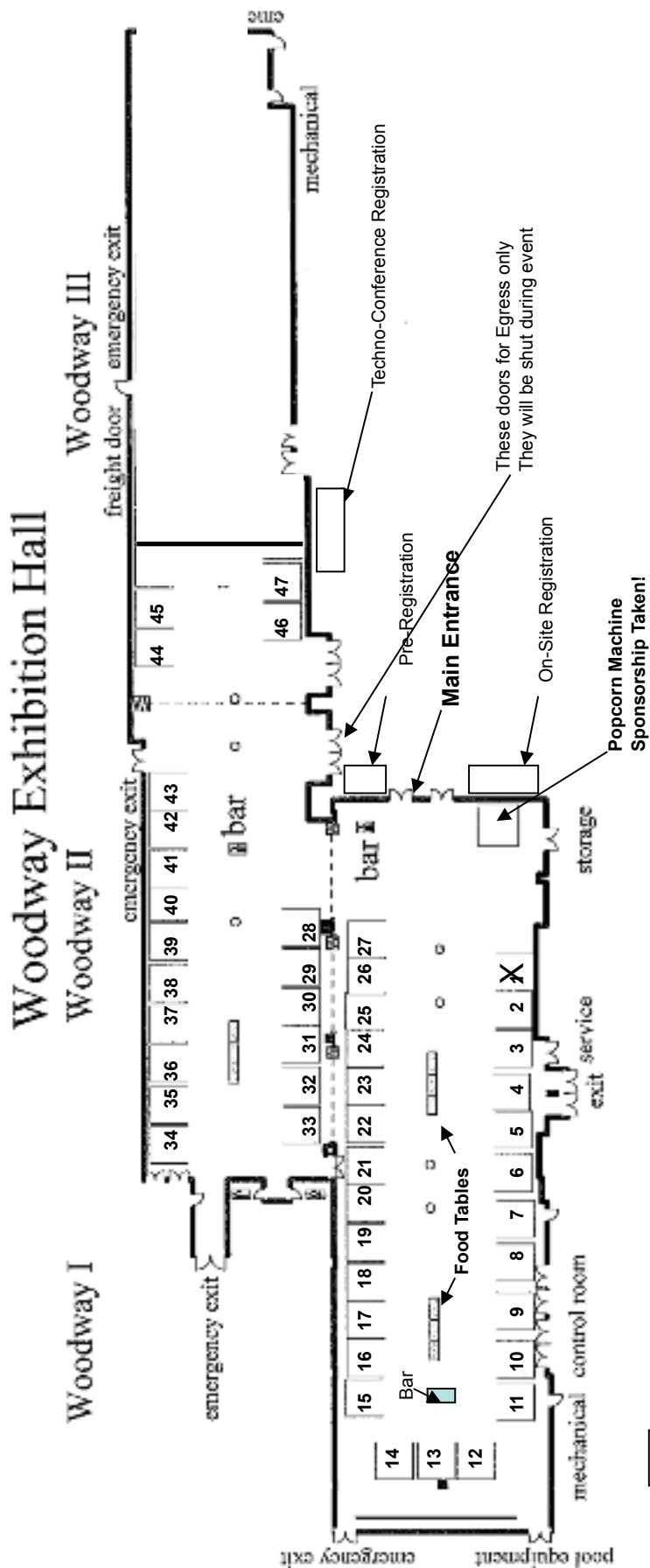
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Deborah Sacrey, 713-468-3260 or dsacrey@auburnenergy.com

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TechnoFest Booth Floor Plan



X Indicates Booth has been reserved

47 – 10’ x 10’ booths to be “piped and draped”

VENDOR REGISTRATION FORM

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Thursday, July 22nd – 2:30 pm – 8:30 pm
WESTIN GALLERIA • 5060 West Alabama, Houston, TX

Description: The Houston Geological Society is inviting companies to come and share their new technologies and research. We are reserving space at the Westin Galleria Hotel in the Woodway Hall. The event will be held on July 22nd from 2:30 pm to 8:30 p.m. We will have finger foods and a cash bar. People attending this function will be eating and drinking while viewing the latest in technology and research. There will be a small admission fee for each person attending. Exhibitors will be given two admissions with the booth fee. Additional admissions may be purchased. An announcement will be run on the HGS site, if a URL is provided, the vendor list will be directed toward the vendor's home page. Please also indicate if you would be interested in Sponsorship.

Booths will be piped and draped. Vendors will be responsible for ordering furniture, electrical and internet/phone hookups (if necessary).

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- 1) The undersigned hereby applies for space at the above mentioned Technofest.
- 2) **This contract must be signed and returned ASAP with check for \$400.00 if reserved by June 1, 2010, \$450.00 if reserved by July 1, and \$500 if reserved after July 1, 2010.** (If you need more time to have a check cut, please contact Deborah Sacrey.)
 Make checks payable to HGS (Houston Geological Society). Space allocated is based on booths available at time of application.
- 3) Each company will be responsible for providing electrical/phone/internet. Information is included with this packet.
- 4) Contact me directly if you do not receive confirmation of the application within 3 days of sending.
- 5) Setup will begin at 7:00 am on the day of the event, and must be completed by 12 NOON. Dismantling will begin at 8:30pm and must be finished by 12:00 am.
- 6) You will be contacted with more information at least two weeks prior to the event.

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Government Update

Henry M. Wise, P.G. and Arlin Howles, P.G.

If you'd like the most up-to-date Texas rules, regulations, and governmental meeting information we direct you to the HGS website to review The Wise Report. This report, which comes out as needed, but not more often than once a week, offers the most up-to-date information that may be of interest to Texas geologists.

AGI Government Affairs Monthly Review (March 2010)

House Climate Change Bill and Senate Energy Bill Still in Play

The Senate Energy and Natural Resources Committee was planning to add some amendments to their key energy bill, the American Clean Energy Leadership Act of 2009 (S.1462), in March, but the hearing was canceled because of health care reform acrimony. Look for possible amendments related to energy efficiency and other topics to be considered in April.

The House-approved climate change bill (H.R. 2454) remains in limbo as the Senate struggles to prepare their own bill. Senators John Kerry (D-MA), Lindsey Graham (R-SC), and Joe Lieberman (I-CT) remain the leading authors of an unfinished draft that is supposed to become the main Senate climate change bill. Media reports suggest the senators will drop cap and trade, allow oil and gas drilling in more areas offshore, restrict the Environmental Protection Agency from regulating hydraulic fracturing, and enhance incentives for nuclear power plant development.

Separately, Senators Jay Rockefeller (D-WV) and George Voinovich (R-OH) have proposed draft legislation to promote carbon capture and storage research followed by incentives for development and deployment. Their draft is similar to the House bill and previous Senate climate change legislation (S.1733), but it would not put a price on carbon dioxide emissions, thus protecting the coal industry from increased costs.

Meanwhile Senators Maria Cantwell (D-WA) and Susan Collins (R-ME) continue to advocate for their bill, Carbon Limits and Energy for America's Renewal (CLEAR) (S.2877), which revolves around a "cap and dividend" approach. The bill requires producers and importers of fossil fuels to pay for their carbon contribution and for 75 percent of these revenues to be returned to consumers. Kerry, Graham, and Lieberman, who need all of the votes they can find, are likely to consider both proposals as they finish their draft.

The latest media reports suggest that the three senators are working on a "reduction and refund" approach that would target every industrial sector, but will involve different allocations, different emission limits, and different target dates. The senators may try to link the transportation fuel sector with the industrial sector by tying a transportation fuel fee to an industrial carbon market fee. The senators hope to introduce their legislation in the Senate around Earth Day, which is April 22, 2010.

House Introduces Volcano Early Warning and Monitoring System Bill

Representative Don Young (R-AK) introduced the National Volcano Early Warning and Monitoring System Act (H.R. 4847) in the House this March. The legislation would authorize \$15 million annually for the U.S. Geological Survey (USGS) National Volcano Early Warning System (NVEWS). NVEWS is a proposed national-scale plan to ensure that the 57 most dangerous and under-monitored volcanoes in the U.S. are properly monitored by upgrading existing networks, installing new networks, and creating a 24/7 watch office and national volcano data center to provide timely and accurate hazard forecasts to reduce risk to life and property.

The plan was developed by the USGS Volcano Hazards Program and its affiliated partners in the Consortium of U.S. Volcano Observatories. This is parallel legislation to the Senate bill (S. 782) introduced by Alaskan senators Lisa Murkowski (R) and Mark Begich (D), which is currently awaiting a vote on the Senate floor.

Rare Earth Element Bill Introduced in House

Representative Mike Coffman (R-CO) introduced a bill, the Rare Earths Supply-Chain Technology and Resources Transformation Act of 2010 (H.R. 4866), that would authorize assessments and programs to secure a system for domestic rare earth element exploration, development, and production. Rare earth elements are critical for clean energy technologies, such as wind turbines, hybrid vehicles, catalytic converters, and energy-efficient light bulbs. China produces more than 93 percent of the current supply of rare earth elements and policymakers are concerned about supply and demand pressures now and in the future. The measure includes some of the recommendations from a 2008 National Academy of Sciences report. Molycorp Minerals, the only domestic rare earth element producer, is headquartered in Coffman's district, although the one producing mine is located in California.

On the same day, March 17, 2010, the Department of Energy announced it will develop a strategic plan to ensure U.S. access to minerals critical to clean energy technologies. Stay tuned for more information about who will write the plan and when it will be available to the public.

Congress Looks into Abandoned Mine Clean-up and Abandons Mining Reform

President Obama and Interior Secretary Ken Salazar have proposed cuts to the Abandoned Mine Land program that have met with some

Government Update continued on page 53

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Current Analysis – Drilling Wells

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opposition in Congress. The Abandoned Mine fund collects royalties from coal production to clean up primarily coal mines that were abandoned before the Surface Mining Control and Reclamation Act of 1977 became law. The Department of the Interior fiscal year 2011 budget proposes cutting payments to four states - Wyoming, Montana, Louisiana, and Texas - and three tribes - the Crow, Hopi, and Navajo - that do not have high-priority coal clean-up sites. These cuts would save \$1.2 billion over the next 10 years.

Some of the states also use the money to restore abandoned hardrock mines, which do not have a comparable clean-up program. Those states oppose the cuts, though it is unclear if the funds can legally be used for programs other than coal mine clean-up. To clarify the 1977 law, Energy and Natural Resources Chairman Jeff Bingaman (D-NM) has introduced legislation (S. 2830) that would specify the rights of states and tribes to use the money for hardrock mine reclamation.

Various environmental clean-up provisions for hardrock mining sites are in the Hardrock Mining and Reclamation Act of 2009 in the Senate and House (S. 796 and H.R. 699). However Senate Majority Leader Harry Reid (D-NV) has declared there is no time for a hardrock mining reform bill on the floor this year. This leaves uncertain any future funding for abandoned mine clean-up.

EPA Will Not Regulate Stationary Source GHG Emissions until 2011

The Environmental Protection Agency (EPA) issued a final ruling that no stationary sources will be required to get Clean Air Act permits that cover greenhouse gases (GHGs) before January 2011. This provides time for large industrial facilities and the government to implement technologies to control and reduce carbon emissions. This ruling follows EPA's reconsideration of the Bush Administration memorandum from former EPA Administrator Stephen Johnson on when the government should regulate carbon dioxide from stationary sources sent to the Office of Management and Budget earlier in March.

The "Johnson memorandum" states that facilities should get permits only for pollutants covered by the Clean Air Act. In her final reconsideration, current EPA Administrator Lisa Jackson follows that recommendation. Currently, however, it is being

debated whether GHGs will be regulated by the Clean Air Act. This is the first step in EPA's phased-in approach to addressing GHG emissions, as laid out by Jackson in a letter last February.

EPA Restricts Mountaintop Mining

On April 1, 2010, the Environmental Protection Agency (EPA) announced new water quality standards for surface mining that should help restrict mountaintop mining operations from dumping waste into streams. The standard requires a specified level of conductivity in streams. Mining waste can add salts, sulfides, and other pollutants that alter conductivity of the water; requiring a certain level of conductivity may prevent waste dumping. The regulations are effective immediately; however EPA is accepting public comment and may consider revisions. The regulations only apply to surface mines in Pennsylvania, Ohio, West Virginia, Virginia, Kentucky, and Tennessee. Senator Byrd (D-WV) praised the regulations and environmental groups called the action long overdue, while industry groups called the action a job killer.

First DOI Regional Climate Center Established in Alaska

Late last year the Department of the Interior (DOI) announced it would establish regional Climate Science Centers to study the impacts of climate change. The University of Alaska was officially selected to host the first center, which will be located in Anchorage. The center should be operational within six to eight weeks. DOI Secretary Ken Salazar calls Alaska "ground zero for climate change" because melting sea ice and permafrost already affect local communities.

The centers will study the impacts of climate change and use the resulting information to aid land managers in developing adaptation plans and regional education initiatives. Centers will be staffed by researchers and scientists from the United States Geological Survey (USGS), partner organizations, and outside experts.

The DOI is seeking further grant proposals for regional centers in the northwest, southeast, southwest, and north-central regions. ■

If you are interested in presenting at one of the upcoming HGS meetings or have a suggestion for a meeting topic please contact
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Directory of Oil Company Name Changes
20th Edition (May 2010)

A new edition (20th), of the HGS publication, *Directory of Oil Company Name Changes*, is now available through the Bureau of Economic Geology. This publication is a cross-referenced list of domestic oil and gas, exploration and production companies that have sold major assets or have changed their names due to a merger, acquisition or reorganization. The purpose of this directory is to provide an oil company road map that may assist geologists in tracking down logs, samples, cores, paleo, drilling reports, production histories and other well data that may be obscured by these numerous name changes.

The cost of the directory is \$15.00 and it can be obtained from the BEG. The contact information is as follows:

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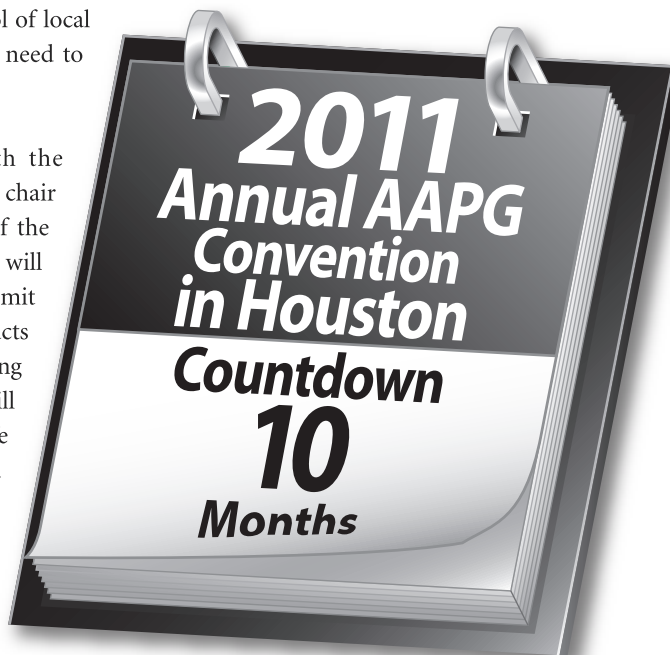
Welcome New Members

HGS Welcomes New Members

Countdown to AAPG

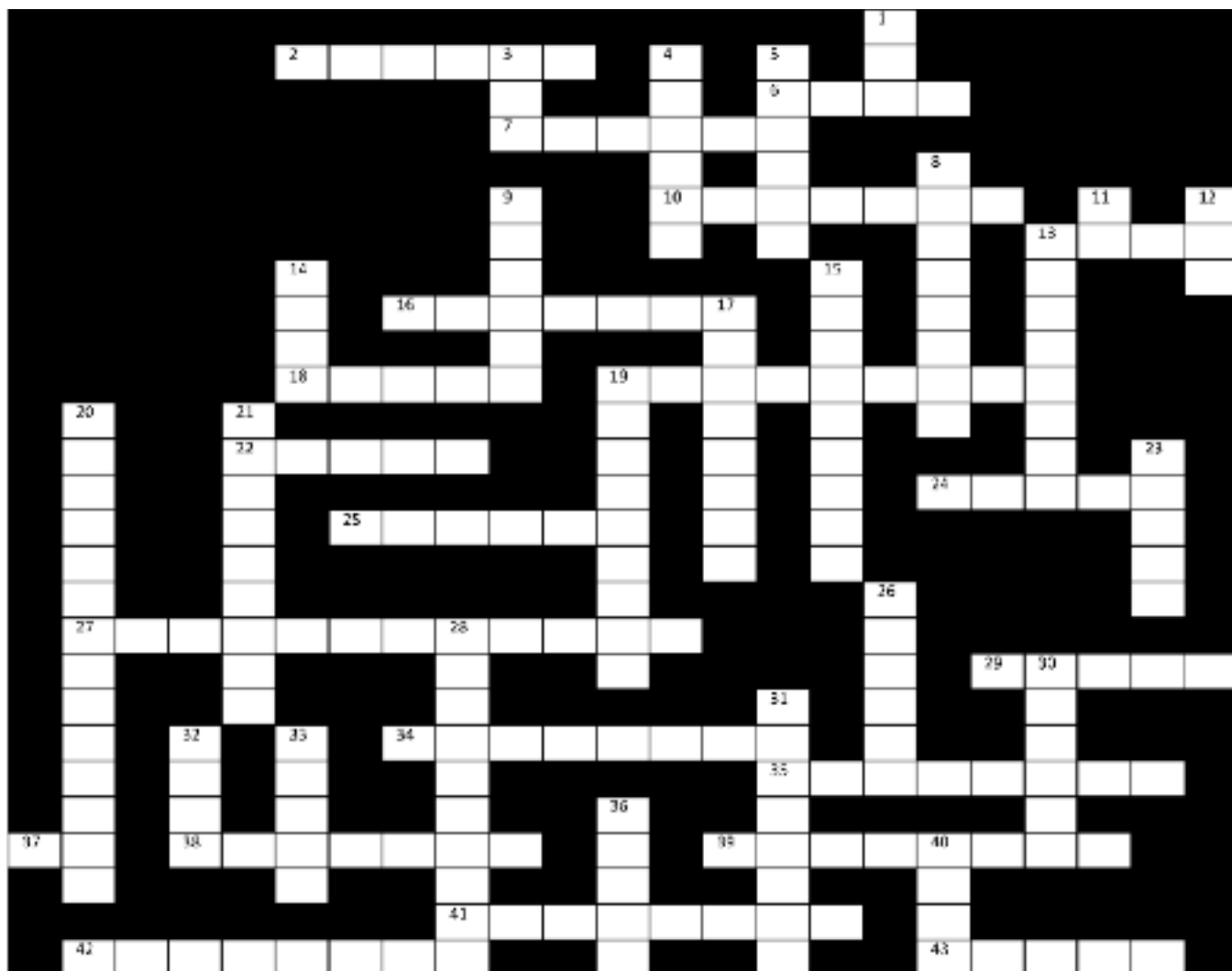
The 2010 New Orleans Annual Convention has passed and all sights are set on Houston for April, 2011. Tom Hudson, General Chair for the New Orleans, and the New Orleans convention team did a tremendous job of planning and implementing the technical and social programs this year. A valuable meeting that Houston 2011 Technical Vice-Chair Carl Steffensen and I attended was the post-convention follow-up. Tom Hudson provided valuable information on the setbacks and successes encountered both prior to and during the convention. The entire operation takes enormous planning from a vast pool of local volunteers, AAPG staff, and convention contractors. The need to plan early could not have been emphasized more!

The Houston 2011 AAPG technical team along with the SEPM, EMD, DEG have now identified the eleven theme chair representatives to steward the selection and leadership of the 42 sessions for the technical program. These theme chairs will be responsible for encouraging geoscience colleagues to submit session ideas, to establish committees to review the abstracts during the summer and fall, and to rank the abstracts following the September 23rd abstract deadline. The theme chairs will be published in the AAPG *Explorer* and website shortly. We are very excited about 2011 in Houston and we look forward to receiving your abstracts over the summer! Interested in volunteering? If so please contact me Steve Levine steve.d.levine@conocophillips.com or Technical Program Chair Linda Sternbach linda.sternbach@gmail.com.



Countdown to AAPG

June Crossword of Oil Companies Past and Present



ACROSS

2 Largest Australian oil company

6 Headquarters are in Abuja

7 A refining and marketing company formed in 1980

10 A Norwegian company

13 Formed by royal decree on April 3, 1926

16 Largest natural gas company

18 A British and Dutch company

19 Indonesian's government owned

22 Indirectly owned by PDVSA

24 Standard oil of Indiana

25 Founded in Sour Lake Texas

27 Headquartered in Hanoi

29 Known for synfuels

34 Operates the North West Shelf Venture

35 Canadian company originally part of BP

37 UK's largest corporation

38 Roots can be traced to the Pico Canyon Oil Field

39 Angolan company founded in 1976

41 Canada's largest

42 Daughter of marriage between South Penn Oil and Zapata Petroleum

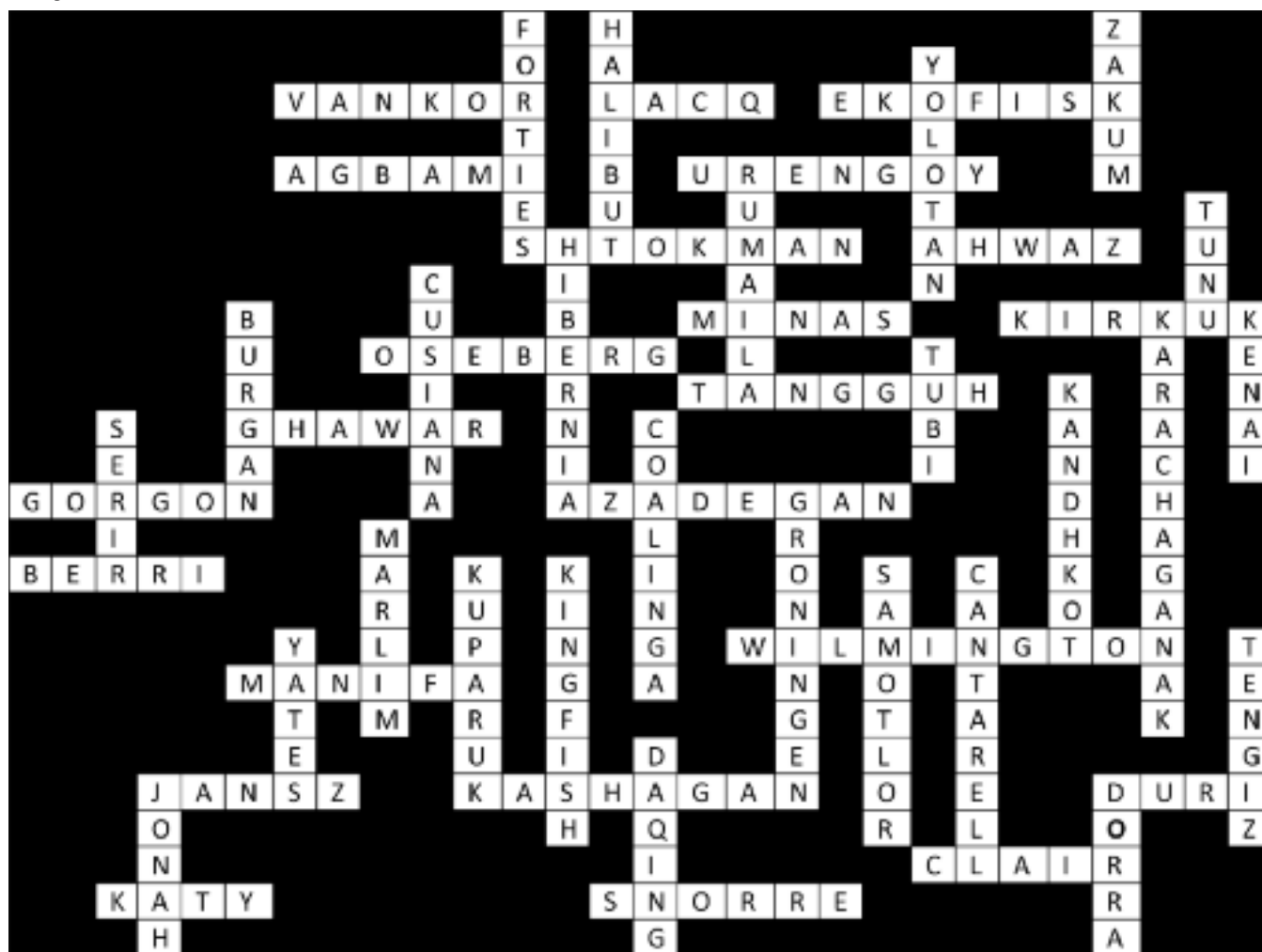
43 Founded in 1982 with headquarters in Beijing

DOWN

- 1 Named after mining city in New South Wales
- 3 Austria's largest
- 4 Danish conglomerate
- 5 Was headquartered in El Segundo, CA
- 8 Brontosaurus logo
- 9 Integrated Spanish company
- 11 Headquartered in Reading
- 12 Argentine state oil company
- 13 Originally a subsidiary of Panhandle Eastern
- 14 Independent based in New York City founded in 1919
- 15 Algerian state owned company
- 17 Began as The Ohio Oil Company

- 19 Semi-public company headquarters are in Rio de Janeiro
- 20 Formed by merger on August 30, 2002
- 21 Headquarters are in Bogota
- 23 A French company
- 26 Russian giant formed in 1991
- 28 Direct descendent of Standard Oil
- 30 Largest oil company
- 31 Malaysian owned company
- 32 An Indian public sector company
- 33 Formed following strike in 1938
- 36 Founded in 1941 as Teikoku Oil
- 40 Headquartered in Tehran

May Crossword Puzzle Answers





**Full Color Ads
Now Available!**

HGS Bulletin Instructions to Authors

All materials are due by the 15th of the month, 6 weeks before issue publication. Abstracts should be 500 words or less; extended abstracts up to 1000 words; articles can be any length but brevity is preferred as we have a physical page limit within our current publishing contract. All submissions are subject to editorial review and revision.

Text should be submitted by email as an attached text or Word file or on a clearly labeled diskette in Word format with a hardcopy printout to the Editor.

Figures, maps, diagrams, etc., should be digital files using Adobe Illustrator, Canvas or CorelDraw. Files should be saved and submitted in .eps (Adobe Illustrator) format. Send them as separate attachments via email or CD if they are larger than 1 MEG each, accompanied by figure captions that include the file name of the desired image. DO NOT EMBED them into your text document; they must be sent as separate files from the text. DO NOT USE POWERPOINT, CLIP ART or Internet images (72-DPI resolution) as these do not have adequate resolution for the printed page and cannot be accepted. All digital files must have 300-DPI resolution or greater at the approximate size the figure will be printed.

Photographs may be digital or hard copy. Hard copies must be printed on glossy paper with the author's name, photo or figure number and caption on the back. Digital files must be submitted in .jpg or .eps format with 300-DPI or greater resolution at the printing size and be accompanied by figure captions that are linked by the file name of the image. The images should be submitted as individual email attachments (if less than 1 MB) or on CD or zip disk.

Advertising

The *Bulletin* is printed digitally using QuarkXPress. We no longer use negatives or camera-ready advertising material. Call the HGS office for availability of ad space and for digital guidelines and necessary forms or email to ads@hgs.org. Advertising is accepted on a space-available basis. **Deadline for submitting material is 6 weeks prior to the first of the month in which the ad appears.**

Random Inside (Black & White)					Page 2 (B&W)	Inside Front Cover (Full Color)	Inside Back Cover (Full Color)	Outside Back Cover (Full Color)	Calendar Back (Full Color)	Calendar Page (Full Color)
No. of Issues	Random* Eighth	Random* Quarter	Random* Half	Random* Full	Full	Full	Full	Half	Full	Quarter
10	\$823	\$1,387	\$2,488	\$4,734	\$5,680	\$7,830	\$7,560	\$6,858	\$6,750	\$2,700
9	\$823	\$1,387	\$2,488	\$4,734	\$5,680					
8	\$750	\$1,260	\$2,242	\$4,307	\$5,169					
7	\$665	\$1,123	\$2,014	\$3,834	\$4,600					
6	\$590	\$990	\$1,782	\$3,392	\$4,069					\$1,890
5	\$497	\$837	\$1,503	\$2,860	\$3,432	\$4,698	\$4,536	\$4,104		
4	\$405	\$683	\$1,223	\$2,326	\$2,792					
3	\$327	\$550	\$990	\$1,886	\$2,262					\$1,080
2	\$232	\$392	\$704	\$1,339	\$1,607					
1	\$146	\$246	\$443	\$842	\$1,010	\$1,404	\$1,296	\$1,080		\$810
FULL COLOR AD * add 30% to B&W charge for full (4) color ad						BUSINESS CARD \$135 per 10 Issues – Send two cards (\$30 for each additional name on same card)				

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Effective June 1, 2009 you can now have your company logo picture posted on the Website. To have an ad posted, you must provide us with the graphic and give us the URL it should link to when clicked.

All ads appear in the "Our Sponsors" box in the upper left of the page. Each ad is displayed for a short time and replaced by the next ad in the list. Each ad will be randomly displayed on each page.

	Logo Strip	Calendar Logo <i>Only 2 Available</i>	Website Business Card (Members only)	Personal Resumes Posting	GeoJobBank
One year	\$1400.00	\$2500.00	Free	Free	
6 months	\$750.00	\$1500.00	Free	Free	
1 month	NA	NA	Free	Free	\$100.00

All Sponsor logo images must be 120 W x 90 H pixels and be no more than 8 bits per pixel with a maximum of 256 colors. The format can be either GIF or JPG, preferably interlaced or progressive. It is important to make the image file size as small as possible so that it will transfer to the users' browser quickly.

To arrange to become a web page Sponsor, contact the webmaster@hgs.org

Example Sponsor Logo
Size in Pixels:
120wx90h



Application to Become a Member of the Houston Geological Society

June 2010

Qualifications for Active Membership

- 1) Have a degree in geology or an allied geoscience from an accredited college or university; or
- 2) Have a degree in science or engineering from an accredited college or university and have been engaged in the professional study or practice of earth science for at least five (5) years.

Qualifications for Associate Membership (including students)

- 1) Be involved in the application of the earth or allied sciences.
- 2) Be a full-time student enrolled in geology or in the related sciences.

Apply online at www.hgs.org and click on Join HGS

*Annual Dues Expire Each June 30. (Late renewals – \$5 re-instatement fee)
Annual dues are \$24.00; full-time students and emeritus members pay \$12.00.*

Mail this application and payment to:

Houston Geological Society

14811 St. Mary's Lane, Suite 250 • Houston, TX 77079-2916

Telephone: 713-463-9476 Fax: 281-679-5504

Payment method:

☐ Check, ☐ VISA, ☐ MasterCard, ☐ American Express, ☐ Discover

Card # _____

Expiration Date: _____ Card I.D. _____

(Card I.D. – 3 or 4 digit number on front or back of card)

To the Executive Board: I hereby apply for ☐ Active or ☐ Associate membership in the Houston Geological Society and pledge to abide by its Constitution and Bylaws. ☐ Check here if a full-time student.

Name: _____

Address: _____

Home Phone: _____ Spouse's Name: _____

Email: _____

Job Title: _____

Company: _____

Company Address: _____

Work Phone: _____ Fax Number: _____

Circle Preferred Mailing Address: Home Office _____

Professional Affiliations: _____

☐ AAPG member No.: _____

Professional Interest:

☐ Environmental Geology ☐ North American E&P (other than Gulf Coast)

☐ International E&P ☐ Gulf Coast E&P (onshore & offshore)

Membership Chairman _____ HGS Secretary _____

School _____

Degree _____ Major _____ Year _____

School _____

Degree _____ Major _____ Year _____

Earth Science Work Experience _____

Applicant's Signature _____ Date _____

Endorsement by HGS member (not required if active AAPG member)

Name: _____

Signature _____ Date _____

Houston Petroleum Auxiliary Council News

Winona LaBrant Smith, HGS Liaison

As we close one year and begin a new one, we are so appreciative of Millie Tonn, the outgoing President of HPAC and her board for the exhilarating year we have just experienced. Now we are anxiously anticipating the 2010-2011 HPAC events under the leadership of our very capable new President, Edie Bishop, and her board.

The nominated officers for HPAC for the year 2010-2011 are as follows:

President: Edie Bishop

First Vice-President: Kathi Hilterman

Second Vice-President: Sally Blackhall

Secretary: Sara Nan Grubb

Treasurer: Shirley Gordon

Editor: Karen Mermis

Parliamentarian: Millie Tonn

HPAC is continuing to introduce you to our virtual 'garden' of exciting ladies who are involved in every aspect of our society, making HPAC a stimulating and diversified organization. Our featured member this month is Edie Bishop, the incoming President of HPAC. Edie graduated from the University of Southern Mississippi in Hattiesburg with a major in mathematics. Edie began her professional career in New Orleans working in the Marine Division of Shell. She met and married Richard (Dick) Bishop with UNOCAL. After moving to California, where Dick was completing his doctorate and Edie was employed by Stanford University, they moved to Houston where Dick was employed by Exxon. He is now with RSK[UK]LIMITED. After spending several years at home raising her two sons, Edie turned to the teaching field at Northbrook High School, Spring Branch ISD. Her commitment to Dick is the driving force in her life. Their professional activities are central to both Dick and Edie and what is important to one is important to the other. She is equally committed to their two wonderful sons, Ryan and Tim. This is a family whose members are dedicated to each other. Edie has accomplished many outstanding feats in the professional organizations of which she is a member. She was unanimously selected by the HGA Board to receive the HGS-HGA Distinguished Service Award for 2006-2007. This recognition had been earned time and time again. Edie was an invaluable member of HGA where she served as President (1987-88), 1st VP, and 3rd VP (twice). Her favorite position in HGA was 3rd Vice President because it fulfilled the objective stated in the Auxiliary Bylaws "to assist the Houston Geological Society in any manner they shall

request". Examples of this fulfillment are numerous and significant. It began by organizing the old driller's logs for the downtown library at the request of HGS Library Committee Chairman, Evelyn Moody, during the presidency of Mary Harle – the hours volunteered by the Auxiliary were equivalent to one full time staff person. Another example was the origination of the HGA column in the *Bulletin*, in 1982, which focused on making HGS members aware of the many in the HGA who were assisting the HGS. Perhaps one of her most fun jobs was co-chairing the spouse's activities for the 2000 AAPG convention with Marti Lund and Gwinn Lewis. Her next accomplishment was the organization of the Auxiliary volunteers to assist with the registration of NAPE during the presidency of Norma Jean Jones. And just to stay busy, Edie has helped with ticket taking at the HGS shrimp peel, assisted the HGS office with the processing of members' dues, and was the first to volunteer with the interim staffing of the HGS office after Joan Henshaw, manager, retired and a replacement was sought. Her knowledge, boundless energy, leadership ability, and quite frankly her drive for perfection have never been more appropriately applied—or more needed—than in the formation of four auxiliaries (Land, Engineering, Geophysics, and Geology) and their welcoming into what is now HPAC. Edie's patience, listening skills, total imperturbability, and leadership have contributed to the formation of this organization. Edie always enjoys seeing old friends and meeting new ones at the society gatherings. HPAC is fortunate to have someone of such accomplishments among our members and is extremely proud to have Edie in our organization. Edie Bishop, HPAC salutes you!

Remember that HPAC has several Interest Groups: Bridge (contacts: Audrey Thompkins, 713-686-0005 or Daisy Wood, 713-977-7319) and/or Book Club (contacts: Martha Lou Broussard, 713-665-4428 or Phyllis Carter, 281-397-9888).

Geologists, please encourage your spouses to join HPAC, where they will have the opportunity to meet other spouses of Geologists, Geophysicists, Engineers, and Landmen. They will participate in stimulating programs, delicious lunches and friendly fellowship.

For your convenience, an HPAC membership form is included on the next page. If you have any questions, please contact Winona LaBrant Smith at 713-952-2007. ■

You are invited to become a member of

HPAC

2009–2010 dues are \$20.00 Mail dues payment along with the completed yearbook information to **Carol Gafford**, 13323 Misty Hills Drive, Cypress, TX 77429
YEARBOOK INFORMATION

Last Name	First Name	Name Tag
Spouse Name	Name Tag	HGS Member's Company
Home Phone	Business Phone	Business Fax
Street Address	City	Zip
Email Address	Home Fax	

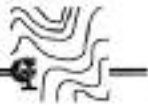





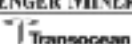






Please choose a committee assignment if you are interested.

- | | | | |
|--|---------------------------------------|---------------------------------------|-------------------------------------|
| <input type="checkbox"/> Fall Event | <input type="checkbox"/> Yearbook | <input type="checkbox"/> SOS | <input type="checkbox"/> Membership |
| <input type="checkbox"/> Christmas Event | <input type="checkbox"/> Spring Event | <input type="checkbox"/> Notification | <input type="checkbox"/> Game Day |
| | <input type="checkbox"/> May Luncheon | <input type="checkbox"/> Courtesy | |

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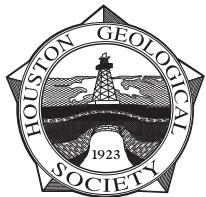
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