



Geophysical Society of Houston

VOL. 34, NO. 1

NEWSLETTER

SEPTEMBER 1999

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Technical Luncheon



John Lienhard, *Engines of Our Ingenuity*

Speaker: John Lienhard
 Date: Tuesday, September 21, 1999
 Time: Register and Cash Bar, 11:30 am
 Luncheon and Talk, 12:00 am
 Cost: \$20
 Location: H.E.S.S. Building, 5430 Westheimer

Divining the earth's history and structure has been an exercise in "making the familiar strange," for the evidence of our eyes serves us poorly when we look at so large and ancient a body.

The Age and Other Troublesome Properties of the Earth

John Lienhard is the M D Anderson Professor of Mechanical Engineering and History at the University of Houston. He is also the author and voice of The Engines of Our Ingenuity which is produced by KUHF and heard nationally on public radio. The Engines of Our Ingenuity tells the story of how our culture is formed by human creativity. The program uses the record of history to reveal the way art, technology, and ideas have shaped us. Engines airs in Houston on KUHF-FM 88.7 at 7:35 AM and 3:55 PM, Monday through Friday.

John Lienhard's talk is expected to be very popular so be sure to get your reservations in early.

REMINDER

Membership dues must be paid by October. Failure to pay before October results in delinquency. Call the GSH office at 713/785-6403 to pay via credit card.

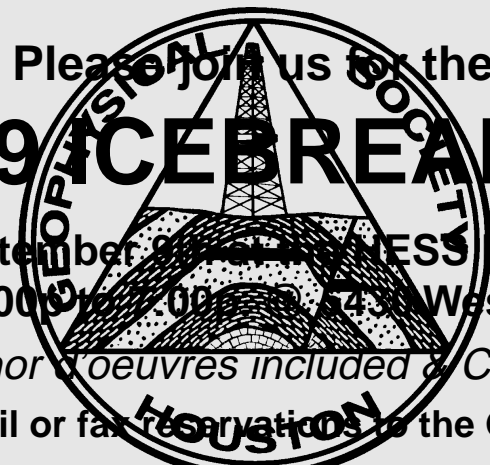
Please join us for the

1999 ICEBREAKER

on September 9th at the HESS Building
 from 5:00 PM to 7:00 PM, 5430 Westheimer

\$12 • hors d'oeuvres included & Cash Bar

Call, e-mail or fax reservations to the GSH Office



GEOPHYSICAL SOCIETY OF HOUSTON

Joan Henshaw, Office Manager • 7457 Harwin Drive, Suite 301 • Houston, Texas 77036 • Office Hours 8 a.m. - 5 p.m.

Phone: (713) 785-6403 • Fax: (713) 785-0553 • Event Reservations Number: (713) 917-0218

email: reservations@hgs.org • website - <http://www.seg.org/sections/gsh/gshhome.html>

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Editor's Note

To insure your information reaches the GSH society members in a timely manner it must appear in the in the appropriate newsletter issue. Please note the following deadlines and plan your function's publicity strategy accordingly. Items must be received on or before the corresponding deadline date. Materials may be sent to wendyj@diamondg.com or faxed to 713/783-9780.

1999 GSH Newsletter Deadlines

Issue October, 1999
Deadline Sept. 13, 1999

Issue November, 1999
Deadline Oct. 13, 1999

Issue December, 1999
Deadline Nov. 13, 1999

Issue January, 2000
Deadline Dec. 13, 1999

Geophysical Society of Houston

New Members as of August 12, 1999

Active:

Bradley Birkelo
Peter Eick
Stephen Ha
William Harrison
Peter Lellis
Richard Perkins
James Wolfe

Associate:

Andrew Bliss
April Blodeau
Crosby Norbeck
David Smith

Technical Breakfast

DATE: September 14, 1999

TIME: 7:00am

PLACE: Exxon Exploration Company

DIRECTIONS: Exxon Greenspoint is located northeast of the intersection of Interstate 45 North and Beltway 8. Take the Beltway eastbound access road to the Greenspoint Drive intersection. Turn left under the Beltway, proceed north one long block to the first traffic light, at Benmar, and turn right onto Benmar, then left into visitor parking.

Attendance will be limited to 45 people. Early registration is highly recommended.

Unreserved attendees may not be able to enter if we are fully reserved by the event date.

TITLE OF TALK:

Interregional Basin Evolution and Lithostratigraphy

SPEAKER:

George D. Klein SED-STRAT Geoscience Consultants, Inc., Houston, TX.

ABSTRACT:

The lithostratigraphic record represents the end product of numerous variables. These include Intrinsic, mantle-driven (tectonic) processes: Extrinsic, solar-driven, climate and ocean circulation processes: backtracking a given lithostratigraphic interval to their original paleolatitude: and paleolongitude, backstripping sedimentary rocks to their original physical state (porosity, permeability, density): and maturation (fluid flow, oil generation, migration and trapping, rock-water interactions, diagenesis). These processes operate on a local, basin-wide, continent-wide and global scale acting independently or in synchronization.

The example chosen is the Illinois basin where lithostratigraphy was controlled by initial topography, paleolatitude and its associated effective

light refraction belt (influencing carbonate deposition), tectono-stratigraphic linkages with the Appalachian Foreland basin, the Appalachian orogenic belt, the Ouachita orogenic belt, and the Arkoma basin. Subsidence of the Illinois basin started simultaneously with subsidence of the Michigan and Williston basins in response to supercontinent breakup, very similar to the simultaneous subsidence of Mesozoic/Cenozoic cratonic basins of Eurasia and Africa. Hydrocarbon maturation and migration in the Illinois basin was controlled by gravity-driven fluid flow from the Pascola arch during the latest Paleozoic and Mesozoic time. An early gravity hydrologic flow from east to west during Devonian time with recharge from the Findlay Arch influenced subsurface diagenetic events and may have flushed early Paleozoic oil potential of the Michigan and Illinois basin.

The approach outlined here is applicable and transferable to other petroleum provinces.

ABOUT GEORGE D. KLEIN

George D Klein's expertise is in Clastic Facies and Reservoirs (Deepwater, Deltas, Fluvial), Clastic Reservoir Characterization, Sequence Stratigraphy, Basin Analysis and Framework Geology. Basins with which he has expertise include the Gulf Coast, Illinois, Appalachian, Arkoma, Powder River, Los Angeles, Reconcavo, Maracaibo, Fundy, Newark, and Hokkaido basins. He published 281 refereed articles, books and abstracts on these topics.

Klein discovered the highest gas producing well in the Barber County field, WV, a new oil field in deltaic sandstones in Ohio, a new exploration play concept in the eastern Gulf Coast, and a new sedimentological/sequence stratigraphic framework in Venezuela for an enhanced oil recovery program.

Klein received nine honors and awards including the Outstanding Paper Award in the Journal of

Technical Luncheon continued on page 4

From the Past Editor's Desk: Viewpoint

By the time you read this, the August Western Gulf of Mexico Lease Sale will be history, and while I spent most of the first part of this year trying to convince myself and others that this round of leasing might pump some energy and enthusiasm into our business, I'm afraid it will have already gone down in the books as sparsely attended and financially disappointing. And what this means in a "herd mentality" business like ours is that we may have to wait until next year to see some relief.

One really disturbing aspect of this situation was reflected in last month's update on the SEG convention to be held here in Houston this October. The sponsorship committee, which I work with, has had real problems getting donations to cover the cost of things that have come to be taken for granted, like delegate bags, entertainment, and (GASP!) exhibit floor beverage stations; and others that are a vital part of our outreach, like the Applied Science Program. My fear is that we will see a slight upturn sometime before the SEG, everyone will show up with a positive attitude, and wonder why the convention looks like a downer. It takes time to solicit sponsors and we desperately need some forward looking and optimistic members of our industry to help out.

While the percentage of geophysicists who have been through one of these cycles before is surely higher than ever before, I thought it would be fun to present my:

TOP TEN WAYS TO TELL THE GEOPHYSICAL INDUSTRY IS IN A SLUMP!

(All gathered from actual experiences...)

- 10) One of the websites on your Favorites list is now <http://www.seg.org/job-list>.
 - 9) The Houston Chronicle Business Sections runs at least two articles in one week that compares this year to 1986.
 - 8) You find yourself answering ads for seismologists at the Antarctic Research Center.
 - 7) You go into the auto parts store to buy a new battery and the guy behind the counter is your former party chief.
 - 6) You have gotten calls from everyone you interviewed with 3 years ago, asking you for a job.
 - 5) People you know are getting retention bonuses and severance packages on the same day.
 - 4) The local geophysical society's class on "how to write a resume" has to be extended to extra sessions.
 - 3) Your headhunter has an unlisted number.
 - 2) Your stockbroker calls and tells you they really don't recommend that so much of your 401K plan be in oil company stocks.
- and
- 1) Your exploration manager is telling you that there's no budget for seismic data and he's already written the memo explaining the layoffs due to a lack of prospect inventory.

Technical Luncheon continued from page 3

Sedimentary Petrology (SEPM; 1972), a Senior Research Fellowship from the Japan Society for the Promotion of Sciences, and a Senior Fulbright Research Fellowship in the Netherlands.

Klein earned degrees in geology from Wesleyan University (BA), Kansas (MS) and Yale (PhD.). He worked as a Research Geologist for Sinclair Research and then taught at the Universities of Pittsburgh, and Pennsylvania. He joined the University of Illinois in Urbana-Champaign in 1970 where he was a Full Professor from 1972 until 1993. After serving as Executive Director of the New Jersey Marine Sciences Consortium, and Director, New Jersey Sea Grant College Program, he opened a full time geological consulting practice (SED-STRAT Geoscience Consultants, Inc.) in the petroleum field in May, 1996. He is a member of AAPG, SEG, SPE, SIPES, AIPG, SEPM, AGU, and GSA.

GEOPHYSICAL AUXILIARY OF HOUSTON

The Geophysical Auxiliary of Houston invites the spouse of any member in good standing of the GSH, and the widows of deceased members of the GSH to join us for our 1999-2000 events. Our first event will be held at Vargo's at 2410 Fondren on Thursday, September 23, 1999. The social hour begins at 11:00a.m. with lunch and program to follow. If you are interested in traveling, join us for a program on grandparent traveling and small ship sailing. For more information contact Jane Hasenpflug at 281-265-1808.

Yearly dues are only \$15.00 for a year of fun filled luncheons, special events, and trips. Call Georgeann Massell at 281-353-7894 or Carol Gafford at 281-370-3264 for information on how to join. We look forward to having you join us.

SIG Meetings

DATA PROCESSING SIG

The data processing SIG organizes monthly technical talks on seismic data processing topics. Meetings are usually on the third Wednesday of the month at 4:30. The location varies as different companies take turns hosting the meeting. Meetings will start in October with talks on creation and use of synthetic or model data.

The organizing committee meeting will plan the year's program in September. This meeting will select a topic and two organizers for each month's meeting. The organizers are then responsible to arrange speakers and location for their meeting. If you have ideas about topics and speakers please contact me and join us to help organize the year's program.

September Organizing Meeting

Date: Wednesday
September 21, 1999
Time: 4:30 PM
Location: Geophysical
Development
Corporation 8401
Westheimer, Suite 150
Directions: Southwest corner of
Dunvale and
Westheimer between
Fondren and Hillcroft.
West end of building.

GSH Interpretation SIG Meeting:

Meeting will take place in Texaco's Bellaire Visualization Lab. Because of space constraints the meeting will be limited to 40 attendees. You must sign-up with the GSH office by Monday, September 20th. Although not a visualization talk in the usual sense, this setting has been found to be quite powerful for other type of interpretation tools as well.

Date/Time: Wednesday September 22, 1999 at 4 p.m.
Place: Texaco Room E112, 4800 Fournace Place, Bellaire. Please park in Visitors Parking or as directed by guard, sign-in at visitors desk before going to visualization lab.

Title:
Estimation of Reservoir Characteristics using Neural Network and Petro-acoustic Modeling Technologies. An Example from Oligocene - Frio channel sands, South Texas.

Speaker:
Manuel Poupon,
Flagship Geosciences

Abstract:
Estimation of Reservoir Characteristics using Neural Network and Petro-acoustic Modeling Technologies. An Example from Oligocene - Frio channel sands, South Texas.

Prior to this study, several amplitude anomalies related to Oligocene Frio channel sandstones had been identified and drilled based on conventional 3D interpretation techniques. Two exploration wells drilled on these bright spots found respectively 15 ft of sand with "fizzy water" (A well) and 30 ft of gas sand (B well). To further enable development of this prospect, an improved technique of seismic interpretation was required. This paper illustrates a new approach applied to the characterization of the Frio sandstones and used for field appraisal. This original methodology is based on seismic facies analysis (using Neural Network Technology applied to seismic trace shape) combined with petro-acoustic modeling from well curves. Seismic facies maps were used to characterize and analyze channel sands. Seismic responses ("trace shapes") at well A ("fizzy water" sand) and B (gas sand) were then integrated into petro-acoustic models for calibration purpose. Modifying the sand thickness, reservoir porosity and gas

saturation, synthetic seismic responses were generated and compared with model traces generated by the Neural Network. This sensitivity analysis allowed a better understanding of the Frio sandstone seismic signature that was applied to seismic facies analysis. This methodology quickly and accurately characterized gas sand reservoirs and built a petro-acoustic model of the Frio sands that agrees with current data. This technique can be directly used in future field appraisal or exploration without any pre-processing of seismic data.

The Authors:

Manuel Poupon is currently Director of Technology with Flagship Geosciences in Houston, Texas specializing on Stratimagic projects in the US (Texas, Louisiana, California). He joined the CGG group in 1991 and was involved in a variety of exploration and evaluation projects in the North Sea, Persian Gulf, Siberia, North and South America. He holds a Ph. D. in Geology from the University of Paris, France and is a member of the SEG, AAPG and Houston Geological Society.

Kostia Azbel is currently a Consulting Geophysicist at CGG Geoscience in Houston, Texas working with the Flagship Geosciences Team. Kostia is an experienced interpreter specialized in reservoir characterization techniques using seismic data. He joined the CGG group in 1994 and primarily worked in Kazakstan and Russia prior to joining the US office in 1997. He holds a Ms. in Geophysics from the Polytechnical University of Kazakstan, Almaty, and has several years of experience in geophysical field studies and seismic processing.

James E. Ingram is Manager of Exploration and Development for Coastline Exploration, Inc. James has over 30 years experience involving a diverse range of domestic and international E&P projects. His main area of focus at present is the South Texas Oligocene development program. One of his many responsibilities is the supervision and

Interpretation SIG continued on page 6

implementation of reservoir development and specialty studies that require optimizing 3D seismic data.

The Interpretation SIG is looking for papers and committee members, please call Randy Hoover (713-682-1039) or Larry Godfrey (281-296-3094) to volunteer a paper or yourself.

GSH Near-Surface SIG Meeting

Wednesday, September 22, 1999,
5:30 PM

Exxon Production Research,
3120 Buffalo Speedway

Ms. Evelyn Medvin, Vice-President, Business Development, Coherence Technology Company, Inc., a Division of Core Laboratories

Application of Coherence Cube(tm) Processing to Marine Shallow-Hazard Detection

3-D seismic data, initially recorded for exploration and production projects, can be utilized throughout a project life cycle including engineering applications such as shallow-hazard detection. Enhancement of the seismic volume through specialized processing and interpretation methods can greatly enhance the usability of these data for hazard detection.

Coherence Technology Company, Inc. (CTC), the leader in Coherence Cube(tm) processing, provides a highly innovative and accurate method for clearly imaging subsurface faults and stratigraphy recorded in 3-D surveys. Coherence Cube(tm) processing can be utilized for interpretation at the drilling-objective level or in the shallow section. The application of this technology to traditional 3-D seismic surveys is key in the deep water where traditional shallow-hazard detection methods are insufficient.

Short Biography of Ms. Evelyn Medvin — A graduate of the University of Oklahoma, Medvin began her career with Cities Service as an Exploration Geophysicist responsible for South and Central America. She continued her career with Occidental Petroleum in Bakersfield, CA. and then spent 2 years at Schlumberger/GeoQuest where she gained expertise in 3-D visualization software. Combined with 8 years of Landmark experience, she specializes in making CAEX software work for seismic interpretation. Currently she is Vice-President of Business Development, Western Hemisphere, and is focused on applying Coherence Cube(tm) processing throughout the E&P life cycle.

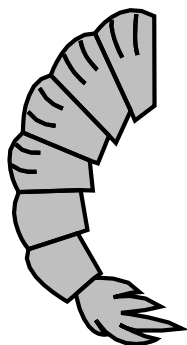
SPE Gulf Coast Section Reservoir Study Group: 3D Seismic in a Cost-Constrained E&P Environment

Date: Thursday,
September 23, 1999
Speaker: William Aylor
Location: Courtyard at St.
James Place
1885 St. James Place
Time: 11:30 a.m. luncheon
Cost: \$25 per person pre-
registered
\$30 for walk-ins
Registration: www.spegcs.org or
(713) 799-9595
Deadline: Noon, Monday,
September 20, 1999

Delivering high performance by eliminating dry holes and marginal wells and by finding previously undefined locations and prospect, 3D seismic has had a profound impact on the E&P industry in the last decade. Three-dimensional seismic reduces exploration finding costs and increases reserves on major properties. But, as the industry finds itself in a low-product-price environment that may have been caused, to some degree, by 3D-guided E&P success, close examination of the technology is in order. Through data and examples, the lecture explores the accomplishments and limitations of 3D seismic.

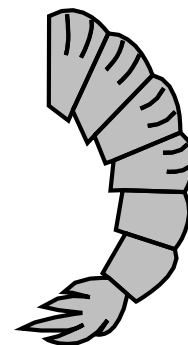
William (Bill) K. Aylor, SPE, recently retired as a geophysicist with BP/Amoco and is currently engaged part time in geophysical consulting, specializing in 3-D seismic strategic planning and technology valuation. He is a 1999 SPE Distinguished Lecturer. Mr. Aylor holds a BS degree in Physics from the University of Texas at El Paso.

Note: The reservoir group has moved from the Houstonian Hotel to the Courtyard at St. James Place, located at 1885 St. James Place. St. James Place is located off San Felipe Street between Sage Road and Chimney Rock Road cross streets, near the Galleria area. Look for the Marathon Tower and you can't miss St. James Place.



HGS/GSH

Shrimp Peel



Saturday, October 30, 1999

5:00 p.m. until 10:00 p.m.



SAM HOUSTON RACE PARK

7575 N. SAM HOUSTON PKWY WEST
(Beltway 8 between Hwy 290 & I-45 N)

TICKETS \$20.00 Advance / \$30.00 At The Door

- Advance ticket sales through October 20th
- Tickets will be mailed to you
- No refunds

1999 SHRIMP PEEL TICKET ORDER FORM

NAME _____

COMPANY _____

ADDRESS _____

PHONE _____ E-MAIL _____

NUMBER OF TICKETS _____

Make checks payable to: HGS / GSH SHRIMP PEEL

Mail to: Subsurface Consultants & Associates
Attn: Lee Shelton
2500 Tanglewilde, Suite 120 • Houston, Texas 77063

For more information call 713/789-2444 or e-mail: LShelton@scacompanies.com

Shrimp • Beer & Beverages • Horse Races • Be There

"2nd Annual Seismic Softball Tournament"

benefiting the SEG Foundation to be played here in Houston on October 16, 1999.

Last year, PGS Data Processing helped sponsor a softball tournament here in Houston to help raise money for the SEG Foundation. PGS Data Processing, along with several competitors, were able to raise \$15,000. SEG matched this amount for a total of \$30,000 donated to the cause. This year, we are proud to say that Data Processing is once again contributing to the "2nd Annual Seismic Softball Tournament".

Currently, PGS plans to sponsor two teams for the tournament this year: one Omen's and one co-ed. Should you choose to enter a team, entry fee per team is \$1,500. The tournament will be held on Saturday, October 16th in the Sportspark located at 10810 Barley Lane. Geophysical Society of Houston will be there as well. Times to be announced as details unfold. The winning team will present the collected donations to the SEG foundation chairman at the convention held here in Houston.

Please show your support by simply filling out the roster and faxing it back to my attention. FAX NUMBER: 713-266-2056. You may print out and use the roster pdf file on the GSH web site (<http://www.seg.org/sections/gsh/segroster.pdf>) or you may contact us to request forms.

This year's event promises to be even more successful and larger than last year's. If you are interested in participating in tournament '99, your help will be greatly appreciated (either to play on a team, help with planning, or to donate \$\$). I have listed below the appropriate people to contact for questions. I look forward to hearing from you by no later than September 10. LET'S HAVE SOME FUN!

Thank you in advance!

Michelle Kluge

Planning details,
Competitor Sponsorship PGS Data Processing
713-706-0516 (direct line) • michelle.kluge@pgs.com

Marisa Rowland

Planning details, Vendor Sponsorship, and Co-ed Team leader
PGS Shared Services
713-819-8342 (cell) • 713-781-4000 (x1392)
marisa.rowland@pgs.com

No team roster will be accepted without a check.

Write checks payable to the "SEG Foundation" and send to the following address:

Attn: Marisa Rowland, 10550 Richmond Ave., Houston, TX 77042



1999 GSH TENNIS TOURNAMENT

FRIDAY, OCTOBER 8, 1999 at 12:00 noon

Chancellors Tennis Club

\$30.00 per person

Play will begin promptly at 1:00pm and conclude by 5:00pm. Lunch will begin serving at 11:30am. Cold drinks will be available and we will have a keg for the COOLING DOWN TIME.

This will be a half day A and B Scramble Tournament. A player will play with all other players in his group. Ladies will be teamed with partners in the A or B groups as they choose. In addition to TROPHIES there will be a drawing for a generous group of DOOR PRIZES.

To ensure the proper amount of court space, food and drinks, complete and send in the entry form as soon as possible, but no later than October 4, 1999. We need more players and encourage you to contact your associates to participate in the tournament. We are again inviting players in the Geological Society to join with us so as to have more players and more fun. For information call Bill Steiner 713/789-72550 or Joe Jones 281/438-5626.

1999 GSH TENNIS TOURNAMENT ENTRY FORM

NAME _____

Phone No. _____ Company _____

Flight Preferred: A _____ B _____ Ladies _____

Make check payable to: GSH Tennis Tournament

MAIL TO: Joe Jones • 3802 Pecan Valley Drive • Missouri City, Texas 77459



Houston '99: Call For Volunteers

The 69th SEG Annual Meeting is being held this year in Houston and volunteers are needed to help make this a successful convention. If you are interested in working as a volunteer please contact either Robert Ayers, Annual Meeting Arrangements Chairman (713) 782-3502 rayers@seg.org or Claire Bresnahan, GSH Volunteer Coordinator (713) 880-5910, CBresnahan@eri.eqt.com

Houston '99: Career Transition Workshops

Radical changes have taken place in the exploration industry over the past year. Layoffs, mergers and downsizing are once again significant concerns to the SEG membership. In response to these conditions, the 69th Annual Meeting will feature a series of workshops designed to help guide individuals through the turmoil. The workshops will be limited to small groups so individual issues and questions can be addressed. In addition participants in the workshops will be given the opportunity to sign up for one-on-one counseling sessions.

So if you are currently in a career transition or feel that you may be in such a situation in the near future, take a glance at the workshops being offered. You will be sure to find valuable information or advice to help you through these difficult times.

Registration

The registration for each workshop is \$20.00 U.S. Seating is limited. You may register by visiting the SEG web site <http://www.seg.org/meetings/seg99/events/careers> to print out a registration form. Fax or mail in the form with your payment. Remember that space in each workshop is available on first come, first served basis. So mail in your reservation early.

Career Transition Workshop Schedules

Monday Afternoon:

Changing Jobs In A Fast Healthy Way

If you haven't been "invited to leave your employer" or initiated your own job change in the last three years, you should be ready!

This session will focus on:

- Coping with the change
- Defining your near and long term goals
- Getting started
- Market research
- Networking tools
- Job search strategies

Tuesday Morning and Wednesday Afternoon:

Resume Development

Build a resume that emphatically demonstrates your abilities, experience, and your personal fit for the positions that you target. This session will focus on targeting your resume for the roles and organizations you choose and will encompass both traditional and Internet compatible formats.

Tuesday Afternoon:

Starting Your Own Business - Business Organization and Legal Issues

Preparation is a must to join the exciting and profitable world of entrepreneurship. This fast-paced, informative workshop will give you the basic tools to define your business idea and determine its potential for success. The business topics include:

- Feasibility Study
- Business Plan outline
- Cash flow requirements
- Legal issues
- Financing options
- Tax responsibilities

Tuesday Afternoon and Wednesday Morning:

Interviewing & Negotiating

Develop a simple and powerful way of interviewing and negotiating.

In this session you will learn to turn interviews into powerful "win-win" conversations as contrasted with an ordeal to survive. We will also provide some simple "when, what, and how" negotiating steps.

Participants will walk away knowing how to address the three main employer concerns:

- Can you do the job?
- Will you do the job?
- Do you fit?

Wednesday Afternoon:

Tax Aspects of Pension and 401 (K) Withdrawals

Investing in a 401(k) is a great deal. Contributions, usually made through payroll deductions, are exempt from federal income tax and earnings compound tax-deferred.

But, when you begin to make withdrawals, you will be hit with taxes.

Attend this workshop and discover:

- The types of withdrawals that can be taken before and after you are 59-1/2 without having to pay heavy penalty taxes
- How to avoid penalty or withholding tax when changing jobs
- The advantages and disadvantages of Lump Sum Distribution

Thursday Morning

Industry Trends, Skill Sets, and Jobs for the Future

A futurist, a geophysicist and a career counselor - each of whom has significantly changed their career patterns - will present a lively discussion with each other and with the audience on the challenges, opportunities and threats facing geophysicists and related professionals in this industry. Come prepared to be entertained, inspired, and informed.

IN MEMORIUM

Tribute to B. H. Benny Treybig, Jr.

B. H. (BENNY) TREYBIG, JR. 1911-1999

By: S. J. "Bute" Granger

The Geophysical Industry was saddened to learn of the recent death of B. H. "Benny" Treybig, 87, at a New Orleans hospital. Mr. Treybig was a native of Yoakum, Texas and a resident of New Iberia, LA.

Benny Trebig founded Louisiana Oil Exploration Co. (LOXCO) in 1951 operating up to five seismic crews until LOXCO's purchase by Grant Geophysical in 1980. After a period of consulting he retired in 1983. He always loved physical work and spent his remaining years on the family farm cutting grass and keeping the farm looking good. He also valued time and relaxation with his friends at Grant Geophysical (friends who formerly worked for Cajun Exploration).

Benny was a true pioneer of the seismic acquisition industry and contributed many ideas, technical papers and patents still in use today. His patent "Method of Seismic Prospecting" was the most popular.

Benny's family, many friends and associates are richer for the experience of knowing him and his accomplishments, memories of him will be with us forever.

"Current Issues In Non-Exclusive Geophysical Data.... The Exploration Tool of Choice"

November 16-17, Houston, TX at the Doubletree Hotel-Post Oak

**Sponsored by the
International Association of Geophysical Contractors (IAGC)**

More than 20 industry experts will address the legal, financial, ethical and other pertinent business issues associated with non-exclusive geophysical data. Topics for presentation will include Seismic Contractor Entry Into E&P Ventures, Misuse or Misappropriation of "Spec" Data, Seismic Data Transfer In Today's Consolidating Market, Intellectual Property Rights, and many others.

Contact:

Louise Durham, Conference Co-Chairman 713.840.1510

GeoEvents Calendar

Make reservations by e-mail at reservations@hgs.org and include your member number (found on Bulletin mailing label), or use the phone reservation system at 713/917-0218.

Reservation Codes

Use these codes to make voice mail meeting reservations:

| | |
|--|--------------|
| Dinner Meeting | 5-0-1 |
| Environmental & Engineering Geologists | 5-0-2 |
| International Explorationists | 5-0-3 |
| North American Explorationists | 5-0-4 |
| Luncheon Meeting | 5-0-5 |
| Emerging Technology | 5-0-6 |

Dinner Prices

| | |
|--------------------------------------|------|
| General Dinner Meeting | \$20 |
| Environmental & Engineering | \$16 |
| International Explorationists | \$21 |
| Luncheon Meeting | \$20 |
| North American Explorationists | \$20 |
| Emerging Technology | \$20 |
| Guests and Walk-ups | \$25 |
| No-shows are billed | |

"Technology + Creativity = Winning Solutions in E&P"

October 7-8, Houston, TX at the Houston Engineering & Scientific Society (H.E.S.S.) Building: 5430 Westheimer

**Sponsored by the
Louisiana State University Basin Research Institute (LSU-BRI)**

This is the fifth event in the oil and gas technology conference series sponsored by LSU-BRI. 25 industry experts will deliver talks that address such timely topics as Virtual Reality, Multi-Component Seismic, 3-D Seismic Field Case Studies, Mergers & Acquisitions, Seismic Permitting Issues, and much more. This meeting is accredited by the American Association of Professional Landmen for education credits.

Contact: Louise Durham, Conference Chairman 713.840.1510

GEOPHYSICAL SOCIETY OF HOUSTON



14th ANNUAL SPORTING CLAYS TOURNAMENT

Saturday September 18, 1999

The 14th Annual Shooting Clays Tournament will be held on September 12 at the American Shooting Centers. Come on out and try the passing dove and springing teal, goose tower and other challenging shots. The tournament will be an all day event and family participation is encouraged.

The tournament will be a 50 bird event and participants will shoot in groups of five (5). Participation is limited to 200 shooters. Sign up deadline is September 10. Shells, BBQ lunch and refreshments will be provided. Please bring eye and ear protection.

To enter, complete the form below and mail along with a check payable to: Geophysical Society of Houston

Mail to: **Hampson-Russell Software**
3000 Wilcrest, Suite 170
Houston, Texas 77042
Attn.: Steve Bircher
(713) 780-8334 Fax: (713) 780-8335
sbircher@hrs-us.com

GEOPHYSICAL SOCIETY OF HOUSTON 14th ANNUAL SPORTING CLAYS TOURNAMENT SEPTEMBER 18, 1999

NAME: _____ TEL: (RES) _____ (WRK) _____

ADDRESS: _____ COMPANY: _____

PREFERRED SHOOTING TIME: (circle one) 8:00 9:45 11:30 1:15
— Please arrive 30 minutes before shooting time —

.....
SHOOTING GROUP (including self)

- | | |
|------------------|-------|
| 1. Mr. Ms. _____ | 12/20 |
| 2. Mr. Ms. _____ | 12/20 |
| 3. Mr. Ms. _____ | 12/20 |
| 4. Mr. Ms. _____ | 12/20 |
| 5. Mr. Ms. _____ | 12/20 |

(CIRCLE GUN TYPE)



GSH/HGS Members or Guest \$55.00

.....
DISCLAIMER:

I acknowledge that neither the Geophysical Society of Houston nor the American Shooting Centers will be held responsible for injury or accidents during this event. **PRACTICE SAFETY!!**

NAME: _____ GUEST: _____

SEPTEMBER 1999

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|------------------------------|----------------------------------|--|---|-------------------------------|----------------------|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 Icebreaker Board Meeting | 10 | 11 |
| 12 | 13 NEWSLETTER DEADLINE | 14 GSH Technical Breakfast | 15 GCAGS Annual Meeting | 16 GCAGS Annual Meeting | 17 GCAGS Annual Meeting | 18 Sporting Clays |
| 19 | 20 | 21 GSH Technical Luncheon | 22 Interpretation SIG Data Processing SIG Near Surface SIG | 23 SPE Gulf Coast Section Reservoir Study Group GSH Auxillary | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

GEOPHYSICAL SOCIETY OF HOUSTON

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