



Geophysical Society of Houston

VOL. 37, NO. 3

NEWSLETTER

OCTOBER 2002

Technical Luncheon

Date: Tuesday, October 15
Time: 11:30 AM
Location: Hess Bldg.
Cost: \$20 reservation
\$25 at the door

Title:
Migration Velocity Analysis for Deep-Water Complex Sub-salt Structures

Speaker: Biondo Biondi

Abstract:
Advanced imaging techniques capable of providing improved knowledge of the subsurface detail in areas with complex geologic structure, such as wave-equation migration, demand complementary migration velocity analysis tools that can directly update the wave equation migration velocity model.

Under salt bodies with complex geometry, conventional Kirchhoff based migration velocity analysis may encounter difficulties because of artifacts caused by multipathing events.

Wave-equation based angle-domain common image gathers (ADCIG) can

provide better information for both updating the sediment velocity and building detailed salt bodies. The improvements in the velocity function enable substantial improvements in the image of the sediments under salt.

I present real data cases of deep-water, Gulf of Mexico salt structures, where the velocity model building and migration were performed using common-azimuth wave-equation migration and angle-domain common image gathers. I will demonstrate the improvements in defining the top and bottom salt, and imaging the sub-salt structures with higher accuracy and resolution.

Biography:



Biondo Biondi is Associate Professor (Research) of Geophysics at Stanford University and leads the Stanford Exploration Project efforts in 3-D imaging. Biondo graduated from Politecnico di Milano in

Technical Luncheon continued on page 7

President's Column

All these years of reading President's pages, I never expected to be writing one myself, but here I am and with the assistance of our esteemed editor, Lee Lawyer, here I go.

If you look on page two of this newsletter, you will find a long list of committee chairs and the officers that report to. As President-Elect, I have six committees reporting to me. They are:

Academic Liaison Committee. This committee encourages the involvement by the academic community at the area universities and secondary schools in the activities of the GSH and the SEG. It provides judges for the Science Fair of Houston and participates in the SEG Academic Liaison Committee. Currently this chair is unfilled and I am seeking a volunteer or suggestions to fill the slot.

Advisory Committee - This is typically chaired by an "elder" experienced SEG/GSH member to provide advice and guidance to the GSH.

President's Column continued on page 9

Dues Notice

This could be your last newsletter. Check the back cover. If the word "Expired" appears on your mailing label, the GSH office has not received your dues and this is your last newsletter. Renew now!

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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 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 can be sent to Lee Lawyer at llawyer@prodigy.net with a cc to John Sumner at john.r.sumner@exxonmobil.com. If you have any questions please call Lee Lawyer at 281/531/5347 or John Sumner at 713/431/6796.

2002 - 2003 GSH Newsletter Deadlines

Issue November 2002
Deadline **October 8, 2002**

Issue December 2002
Deadline **November 6, 2002**

Issue January 2003
Deadline **December 10, 2002**

Announcements

SEG Annual Meeting
October 6-11, 2002

Technical Breakfast
October 9, 2002

Technical Luncheon
October 15, 2002

Tennis Tournament
October 18, 2002
12 Noon
Chancellors Racquet Club

Sporting Clays Tournament
October 19, 2002

Distinguished Lecturer
Technical Luncheon
November 19, 2002

Reservations

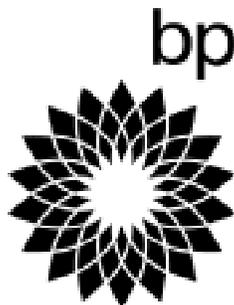
Make reservations by e-mail at joan@hgs.org and include your member number (found on Bulletin mailing label). Fax reservations to (713) 463-9160 or use the phone system at 713/463-8920.

Reservation Codes

Use these codes to make voice mail meeting reservations:

Technical Luncheon	601
Data Processing SIG	602
Potential Fields SIG	605
Environmental Applications SIG	606
Breakfast	607

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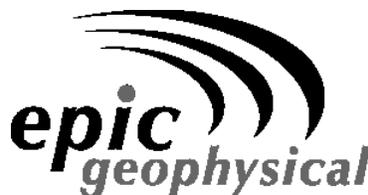
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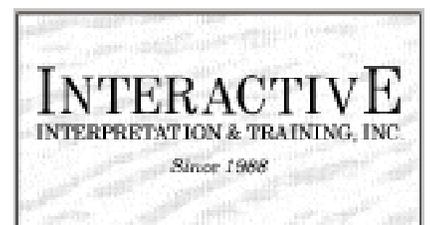
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Thank you for your supporting the GSH!

For information on how to become a corporate member or to endow a scholarship with an organization's name please contact Pat Starich (281) 654-5036 or the GSH office at (713) 463-9477.

SIG Meetings

Data Processing

Date: Wednesday,
October 16, 2002
Time: Social 4:30 pm
Presentation 5:00 pm
Location: Marriott at 255 N. Sam
Houston Parkway East,
where the Beltway
intersects Northchase,
across the street from
Kerr-McGee, close to
ExxonMobil.
Sponsor: Exxon-Mobil

Reservations:
GSH 713-463-8920, Code 602
For further information, please contact
Karl J. Seibert at 713-339-1616 or
email:
kseibert@AdvancedDataSolutions.com

Speakers:

Zhiming Li, Unocal
Chengbin "Chuck" Peng ADS

Topic:

Depth Imaging !

First Speaker:

Zhiming Li - UNOCAL

Pre-stack Kirchhoff depth imaging in Deepwater, Gulf of Mexico

Summary:

Accuracy and efficiency of every aspect of Kirchhoff migration (travel time calculation and interpolation, seismic data I/O, anti-aliasing, amplitude and illumination compensation, job partitioning, etc.) are critical in obtaining a timely, high-quality depth imaging result. A good algorithm however, does not necessarily always warrant a satisfactory and interpretable depth image in practice. Geological interpretation, regional understanding and careful 3D velocity model building are essential to the success of pre-stack depth imaging of subsalt structures in the Deepwater,

GOM. Many case history studies in the Deepwater GOM indicate that Kirchhoff depth migration is still one of the important tools in production imaging of complex structures.

Second speaker:

Chenbin "Chuck" Peng - ADS
**Practical Aspects of Wave Equation
Migrations**

Summary

Wave equation migrations become practical thanks to the advent of massively parallel computers based on commodity PC hardware and advancement of accurate approximation for one way wave field extrapolation. Many real data examples have been published in recent literature. The degree of success, however, is mixed. Often questions are asked without satisfactory answers. Examples include: where are the steep dips, where are the high frequencies, and can the amplitudes be trusted, how sensitive is the method to velocity model. In oil companies, management has high expectations on wave equation imaging projects while the service providers often realize the time-tested Kirchhoff prestack depth migration is sometime hard to beat. We will address some practical aspects of wave equation migrations. Our emphases are on amplitudes, migrated common image point gathers and velocity sensitivity.

NEW

Rock Physics

This is the initial meeting of a new Special Interest Group.

Date: Wednesday, October 23
Time: 5:30 PM
Location: Visualization Center
Veritas DGC, Inc
10300 Town Park Dr.
Houston, TX

Contacts:

Tad Smith, (tmsmith@newfld.com)
Keith Katahara,
(keith@advanceddatasolutions.com)

The Rock Physics of Seismic Fluid Attributes

by Vaughn L. Ball, Kevin Northey, and
Doug Foster, Phillips Petroleum

Summary:

The tendency for a rock to change its bulk properties upon fluid substitution is its "Fluid Sensitivity", and is an intrinsic property of the rock. The magnitude of the change in bulk rock properties is predictably related to changes in seismic reflection attributes. These changes are often called the "fluid effect". We can speak of a fluid effect in relation to the classic "A", "B", and "C" coefficients of the Aki & Richards linearization. Fluid sensitivity and fluid effect are often qualitatively related to porosity and P-wave velocity, but can be more precisely related to an important property of porous rocks called the "Biot Coefficient". For most seismic attributes, the fluid effect is independent of the surrounding lithology. Only the fluid effect for the "B" attribute has a component that depends on surrounding rocks. The fluid effect for seismic attributes are separable in relation to properties of the rock, and properties of the fluid, and can be expressed as the product of rock properties and fluid properties.

New Members

Active:

Gallaway, Philip J
Gochioco, Lawrence M.
Haggard, J. Alan
Mallick, Subhashis
Miller Sanchez, Alfred
Sanchez, Alfred
Walker, Jon G.

Associate:

Bauerlein, Ronnie J.
Deleeuw, Donna M.
Grasshoff, Russell W.
Henery, Freia M.
Hicks, Nigel O.

Technical Breakfast

Date: Wednesday,
October 9, 2002
Location: Conoco-Phillips
6330 W Loop South
Houston, TX 77251
Time: Social 7:00 am
Presentation 7:30 am

Reservations:
GSH 713-463-8920, Code 607
For further information, please contact
Karl J. Seibert at 713-339-1616 or
email
kseibert@AdvancedDataSolutions.com

Speaker:
Steven J. Maione

Title:
Discovery and Petroleum Exploration
Significance of Ring Faults Associated
with Salt Withdrawal Basins of Early Cre-
taceous Age in the East Texas Basin

In Memorium

LOUIS R. ROGERS, 1937-2002

Louis Romine (Lou) Rogers, age 65, died in Conroe, Texas, of lung cancer on July 19, 2002. He was an explorationist of diverse experience, strong ethics, and friendly good humor. Lou joined the Society of Exploration Geophysicists in 1968, and was a member of the Geophysical Society of Houston.

Lou was born in Eufaula, Alabama, on May 20, 1937. After several moves before and during WWII, Lou's family arrived in Texas in 1945; first in La Porte, and then moved to Lolita in 1949. Lou enrolled at Texas A & M in 1955, where he played cornet three years in the Fightin' Texas Aggie Band. He earned a BS degree in 1962, the same year he and Shirley Suttles were married.

Lou was employed as a geophysicist by the Humble Oil & Refining Co. (now ExxonMobil Corp) in 1963, beginning on a King Ranch seismic crew. After several assignments domestically, he and Shirley with children Larry and Dana moved to Barcelona, Spain. In 1971, Barcelona personnel were moved to Esso's office in Walton-On-Thames, England. He returned to the New Orleans office in 1976. In 1978, Lou left Exxon for a position with Sabine Corp. in Houston and located the family in Conroe. Lou became co-owner and vice-president of Wrangler Exploration, Inc, in 1993 generating and presenting drilling prospects in Texas and Louisiana.

Lou was a member of the Confederate Air Force, and for several years owned a WWII basic trainer, a BT-13. Flying the BT-13 and participating in air shows with his pilot friends was a highlight of Lou's life. He is survived by his wife, Shirley Rogers; his son, Larry Neil Rogers; his daughter, Dana Rogers Loomis; and his brother, Frank Rogers.

Louis Romine Rogers was buried in Garden Park Cemetery in Conroe. Congressman Joe Barton delivered the eulogy and members of the Confederate Air Force performed the missing-man formation in a flyover.

Have a great flight, Lou!

Join the Geophysical Auxiliary of Houston for an Exciting Year of Programs!

The Geophysical Auxiliary of Houston invites the wife of any present or past member of the GSH or SEG, the widows of former members of the GSH and SEG and women members of these organizations to join us for our 2002-2003 year.

Several wonderful events have been planned. We began in September by putting on our walking shoes and participating in an informative and tasty "scavenger hunt" and lunch at the Central Market food emporium. Members enjoyed the opportunity to explore and sample as we learned about the abundance of fruits, vegetables, cheeses and pastries available at this amazing market.

Our next event, to be held Wednesday November 6, will be a tour of the Brookwood Community. Come join us

as we tour the 475 acres that make up the community and dine on a gourmet lunch specially prepared by Brookwood's excellent chef. This will be wonderful opportunity to begin your holiday shopping at the beautiful Brookwood Community gift shop. For information about the tour, please call Mary Beth Sims at 713-668-6851 or Carol Gafford at 281-370-3264.

Monday, January 13, we will meet at the elegant Houston Junior League Tea Room for a delicious luncheon. Renee Kientz, antiques editor for the Houston Chronicle, will be on hand to share her expertise on antiques.

A spring brunch will be held on Sunday March 9. The Pinelake Room overlooking the beautiful grounds of Lakeside Country Club will be the meeting place for Auxiliary and society friends to visit

and enjoy the delicious buffet. Classic Jazz with Pat Austin will entertain us with everything from Broadway to pop.

The Auxiliary will round out the year on Wednesday May 21 with the annual Business Meeting and luncheon to be held at the Westlake Club. Evelyn Robinson, a Texas Master Gardener and freelance photographer will be on hand to give advice on growing orchids in Texas and provide tips on photographing flowers.

Please join us as we look forward to a year of entertaining, enjoyable and enlightening programs. Yearly dues are only \$15.00. Call Membership Chairperson, Emilie Fulton at 281-242-1806, GSH Liaison, Luann Cefola at 281-759-7338, or President, Kathi Hilterman, at 713-467-2599 for information on how to join.

Letters to the Editor

GSH Editor,

I enjoyed your comments in the President's Column of the September 2002 NEWSLETTER. You asked, "Where are the letters to the Editor?" I have been known to write such letters, especially to that numb nut author of the SEG,s "From the Other Side." Anyway, here are my comments.

First, if we are paying extra for two-color printing, we're sure getting gypped by someone's decision to choose yellow. How about some O.U. crimson or TAMU scarlet to jazz things up?

Second, I do appreciate your inclusion of the suggestion that our members should renew their membership NOW. With such prompting, we possibly can avoid loosing the 204 members we lost last year!

As you said, let's have "Newsy Newsletters."

H. W. Hardy

(Editor: If we used OU's crimson or TAMU's scarlet, the next thing would be the call for burnt orange. The Editor has a bias against burnt orange! Therefore its yellow.)

GSH Editor,

U R 1 kool dood! Suggestion: why not send members with membership in both GSH & HGS invoices for both in 1 envelope... saves postage and less confusing... less susceptible to human error?

OK, I goofed.

Paid HGS notice. Got very busy and simply let mail accumulate for a while and just recently discovered/uncovered GSH dues notice in separate unopened envelop OOOOPs. sent in a check.

You have my vote to write the president's column every month.

Stephanie Hrabar

(Editor: Your vote is recorded. The current count is 1 for, 1 against and 1892 abstaining!)

GSH Editor,

I was "touched" by your feelings in Septembers GSH Newsletter. It seems we all take it for granted that someone else will write an article to fill the pages which we expect will magically appear on our desks each month.

I have attached a 'Letter to the Editor' article with this mail which I wrote last year. Thought you may want to review it for Octobers Newsletter. I did not touch the 'Black Hole Theory' that you mentioned - however did examine seismic traces and their adventures in the mystical land of tranformations. Lets see if this stirs up some feelings before I write the sequel.

Paul Bouloudas

(Editor: A fearful, sinister fiend has struck again. Check "The Mystical Land of Kirchhoff" on page 7.)

Past President's Luncheon



As is customary every year, the President of the GSH organizes a luncheon made up of Past Presidents of the GSH as well as Past Presidents of the SEG. Our current President, Dan Ebrom is first from the left in the first row. Bob Tatham (third from the right, back row) traveled the farthest for the event, coming from Austin. Three past Presidents of the SEG attended, Lee Lawyer (second from the left, first row), Mike Shoenger (second from the right, first row) and Bill Barkhouse (fifth from the right, back row). Alf Klaveness started the tradition, some say over one hundred years ago but more probably in 1988 when he served as President. He is standing sixth from the left in the back row.

The Mystical Land of Kirchhoff

Once upon a time, in a far away mystical land, where time had a kind of distorted sense of reality, there existed an ensemble of seismic traces. Time had a different meaning back then. The seismic traces themselves had no sense of time. They simply spent their days being herded into computer memories, only to emerge (after a time) as a new distorted form of their once pristine symmetry. As far as the seismic traces were concerned the world in which they lived was truly magical. Every now and then they decided to sire new traces by interacting with modules. These modules used to invite the traces into their lair with the offer of transformation to a new sense of well-being. It was the perfect relationship. The seismic traces could spawn new traces to help populate their growing kingdom, and the modules would feel the self-satisfaction of participating in the regeneration process.

In this land of mist, beauty and legend there were no budgets, no exploration targets, no redundancies, and no nothing – not even time. The seismic traces were a very happy race living in perfect harmony with their environment. In fact they had a magnificent lifestyle. Every module they interacted with treated them with respect, and transformed them into a shape closer to what their God expected of them. The God was in fact the Seismic Interpreter. He wanted the seismic traces to appear in a certain shape, and the traces were quite happy to mutate themselves time and time again. No one knew the reasons why the Interpreter desired the traces to alter themselves in such a way. Maybe it was to satisfy his deeply perverted sense of erotic satisfaction. However the traces were just happy to be noticed and would strut around in skimpy cladding for the sheer pleasure of satisfying the Interpreter.

The traces did not care how long their transformations took. Only the surgeon did. In this land the surgeon in charge of the transformations was the Geophysicist, and time mattered to him tremendously. In fact his whole world revolved around time. But his is a different story. This is the story of a race of seismic traces, which lived in a world of mist and beauty.

The seismic traces did not know it at the time, however their wonderful world was about to blunder into dark and dreadful depths, or should we say dark and dreadful times. Their fate was sealed. The traces were being hunted by their thousands. Every moment, the large, ugly, fire-breathing monster was destroying them. This monster was cleverly disguised as a module. This module promised to transform the traces into a more pleasurable form and was guaranteeing instant acceptance from the Interpreter. However, little did the traces know it, they were being mutilated and destroyed, hunted in their thousands to the brink of extinction by the dreaded, fearful, dark and sinister Kirchhoff Pre-Stack Time Migration (KPSTM).

The KPSTM was a terrible creature, a two faced mutant operating in a 3-D world. Many geophysicists had placed their faith in the KPSTM to take care of their traces and transform them into monuments of beauty. However, little to their knowledge, the KPSTM had been secretly screwing with the traces. This vagabond army of KPSTM's had spread their seed far and wide, like a tree in the wind. There were traces all over the land that had been infected with the poison from the KPSTM. With an honest exterior that anyone would trust, the KPSTM's went about their business all day and night. The KPSTM had no shame. It would screw with traces right under the watchful eye of the Geophysicist. In fact the KPSTM had been so successful at pillaging the traces that it had become careless, and was about to be exposed in all its glory for the two-faced lowlife that it was. The battle lines had been drawn and the Geophysicists were about to take the KPSTM head on, to save the virtue of any untouched traces, and correct the wrongs inflicted upon the seismic traces of the past. However to achieve their goal, the Geophysicists would have to delve into the inner workings of the Impulse Response and tackle the anti-aliasing code set. It was only hoped a weakness could be found and exploited.

This world was on the brink of all out war against the alien infection of the KPSTM.

Thus sayeth Paul Bouloudas.

Technical Luncheon continued from page 1

1984 and received an M.S. (1988) and a Ph.D. (1990) in geophysics from Stanford. He has made contributions on several aspects of seismic imaging, ranging from velocity estimation to parallel algorithms for seismic migration. Since the early nineties he has been at the forefront of the development of wave-equation 3-D prestack migration methods.

Biondo is in close contact with the practical applications of seismic imaging as a Chief Technical Advisor, of 3DGeo Development, that he founded in 1994. 3DGeo Development is a growing seismic services start-up that brings innovative technologies to the exploration industry such as wave-equation imaging and Internet based seismic processing.

Biondo is a member of SEG and EAGE and is a member of the SEG Research Committee and SEG Translation Committee. The most current version of his book "3-D Seismic Imaging" can be downloaded at <http://sepwww.stanford.edu/sep/biondo/Lectures/index.html>.

2002 GSH TENNIS TOURNAMENT

FRIDAY, OCTOBER 18, 2002 at 12:00 NOON

\$30.00 per Entrant

Chancellors Racquet Club • 6535 Dumfries, Houston 77096

Play will begin promptly at 1:00 pm 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 1, 2002. We have more room for players and encourage you to contact your associates to participate in the tournament. We are again inviting players in the Geological Society to join us so as to have more players and more fun.

For more information call Bill Steiner 713/789-7250 or Joe Jones 281/438-5626

2002 GSH TENNIS TOURNAMENT ENTRY FORM

NAME _____

Phone No. _____ Company _____

Flight Preferred: A _____ B _____ Ladies _____

Make Checks Payable to: GSH Tennis Tournament
MAIL TO: Joe Jones 3802 Pecan Valley Drive, Missouri City, Tx. 77459

SEG
Salt Lake City
2002



Geophysics: A Bridge to Discoveries
Society of Exploration Geophysicists

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Register online at <http://meeting.seg.org/register>



Dr. Robert D. Ballard **keynote speaker**

SEG/Salt Lake City 2002
SEG International Exposition & 72nd Annual Meeting
Monday, October 7, 2002 • 10:00 am
Abravanel Hall, Salt Palace Convention Center

A Special feature of this year's meeting is keynote address by explorer, oceanographer, and marine geophysicist, Dr. Robert D. Ballard. Dr. Ballard has received general public recognition for locating the Titanic in 1985 and widespread scientific acclaim for discovering various life forms that thrive around thermal vents deep in the Pacific Ocean. Dr. Ballard will discuss his exploration of the Black Sea and highlights of other expeditions on Monday, October 7, in Abravanel Hall, adjacent to the Salt Palace Convention Center. His presentation will begin at 10 a.m. ending with a short Q & A period.

Each full delegate registering in advance will receive a free copy of the **Encyclopedic Dictionary of Applied Geophysics Fourth Edition**, by *Robert E. Sheriff*

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Cave Men

By Jess Kozman

I got kind of worried a couple years when I heard a speaker at the Petroleum Information Management Conference mention that the next step in 3D visualization and immersive environments would be the creation of “personal caves” for geophysicists. This struck me as a neo-classic example of “everything old is new again”. Our technology has become so advanced that we can go back to living in caves? But even scarier is that this reflects a more insidious sabotage of the concept that such virtual reality tools are supposed to enhance, namely collaboration. Much of the documented and quantified success of these technologies has been in the synergy that results when multi-disciplinary teams contribute data simultaneously and see interactively the results of “what-if” scenarios. That is why the most intriguing of these projects are those that support multi-user input and display.

The danger of a personal cave is the same as that of any technology that threatens to remove face-to-face contact. The best tool we have to find oil and gas is still our mind, and science tells us that there are some parts of the mind that are only stimulated in the presence

of other live human beings. I’m sure all of us have been involved in at least one project where some travel budget had to be spent because problems were just not being solved via phone calls, emails, or even teleconferencing. Sometimes there is demonstrably no substitute for a team working together in the same room, whether that room is equipped with the latest in multi-user tracking projectors or just a box of doughnuts.

Are we really becoming so wired at the cost of social skills that we think we can work in a personal cave?

I for one force myself to take a walk around the halls of my building to make sure that I interact with some other people. Often the chance encounters with people in other disciplines and other groups are the ones that lead to breakthroughs and innovations. And anyone who has interviewed for a job lately can tell you that interpersonal skills are still essential to at least getting a technical position, if not keeping one.

A couple of years ago, while working for a small, family-owned company, I realized that I wasn’t getting access to a lot of the inside information about how the company was being run. One day, pressed for time and needing to talk to one of our sales representatives on short

notice, I followed him down to the patio for his smoke break. I was shocked to discover that in the four minutes it took for him to have a cigarette with the office manager and two of our administrators, more relevant information was exchanged critical to our business than in an entire month of staff meetings. I immediately took up smoking small cigars so I could join this exclusive circle, and gained a new insight that I could not have developed with my head inside the wraparound monitors of my UNIX workstation. Never mind that some of those interchanges eventually led me to move to another company, not all important decisions are based on positive input.

Author Jacques Barzun has argued in his book *From Dawn to Decadence* that decadence should be viewed in a more positive sense, as the last stage before a renaissance. If this is the case, I guess I can view the decadent practice of sealing oneself up in a personal cave as a preparation for the renaissance that our industry is surely overdue for. But until it arrives, don’t look for me in my cave. I’ll be down in the coffee room, talking with my co-workers.

President’s Column continued from page 1

Employment Referral Committee - This committee acts as a liaison between employers and potential employees in the various branches of the geophysical industry. The service is free to both the employer and employee with the only restriction being that the potential employee is a GSH member in good standing.

Finance Committee - This is chaired by last year’s Treasurer and usually has previous Treasurers on it. They provide assistance to the current Treasurer in running the financial affairs of the GSH, provide continuity of records for tax purposes and help in preparation of the annual budget.

Office Committee - The GSH shares an office with the HGS and thus the expenses that go with running the of-

fice. This chair sits on the joint committee that manages the office.

Volunteers Committee - Remember the entry on your renewal form asking you if you were interested in volunteering? This committee maintains the list of volunteers and serves as a resource to the GSH officers and committee chairs to help with special projects and events.

At our last board meeting the old subject of “Is there anything we can do or should do about our noon Technical Luncheon program?” came up. There were lots of discussions on the pros and cons of staying at HESS, moving it downtown, or holding it in different locations around town. It was pointed out that the Technical Breakfasts were held all around town. For budget reasons, HESS is still the best option. This subject came up again at the Past Presidents

Luncheon as most of the PP’s remember the good ole days of everyone working downtown and having the meetings downtown. I, for one, work at Greenspoint and cringe at the long drive to HESS, but I know where it is and have figured out several routes to get there. When we used to rotate around town, the newsletter had to post a map to the location. It was tough on the Technical Luncheon Committee to find good locations that were available and affordable. There is nothing in stone that requires us to use HESS beyond this 2002-2003 year. The board is always open to suggestions from the members it serves. Send any suggestions you may think of for luncheons or any other GSH function to our editor, who craves email. Be sure to indicate in the subject field that this is for the GSH or you may end up in The Leading Edge.



HGS/ GSH

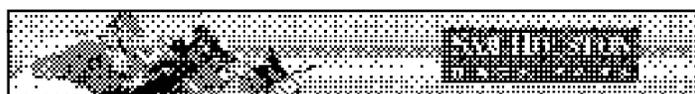


Shrimp Peel

Saturday, November 2, 2002

6:00 p.m. – 10:00 p.m.

**This year's event will be held indoors in the new Pavilion Centre
at Sam Houston Race Park.**



Sam Houston Race Park

7575 N. Sam Houston Pkwy. West

(Beltway 8 between Hwy 290 & I-45N)

Tickets \$25.00 Advance / \$35.00 at the Door

- Advance ticket sales through October 26
- Tickets mailed to you beginning October 3
- Event held in the Pavilion Centre
- No refunds

2002 Shrimp Peel Ticket Order Form

Name _____

Company _____

Address _____

Phone and 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 • Live Music



17th Annual GSH Sporting Clays Tournament

Saturday, October 19, 2002

American Shooting Centers
16500 Westheimer Pkwy.

This year's Sporting Clays Tournament will be held on Saturday, October 19th, at the American Shooting Centers. The tournament is an all day event and family participation is encouraged. Non-GSH members are welcome.

The tournament is a 50 bird event, designed to simulate actual field conditions. Shells are provided, however you must bring eye and ear protection. Prizes will be awarded for shooting prowess in various levels of expertise.

BBQ lunch and refreshments are provided throughout the day. Door prizes (made possible through corporate and private sponsorship) will be awarded after the conclusion of shooting.

Please ask your company to help sponsor this annual event. It is through the sponsor donations that we are able to have such good door prizes each year. Feel free to call me if you have questions, or pass my name on other interested persons.

For more information, contact: **Amanda Dragon at 713-780-8334 or amdragon@hrs-us.com.**

GSH SPORTING CLAYS REGISTRATION FORM

Name: _____ Company: _____

Address: _____ Phone: _____

_____ Email: _____

Preferred shooting time: (circle one) 9:00 10:45 12:30

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

Please return form(s) with check for \$60.00 per shooter, payable to: **Geophysical Society of Houston**

Mail to: **Amanda Dragon c/o Hampson-Russell Software, 3000 Wilcrest #170, Houston, TX 77042**

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

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

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!!

Signature: _____

OCTOBER 2002

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6 SEG Annual Meeting	7 SEG Annual Meeting	8 NEWSLETTER DEADLINE SEG Annual Meeting	9 GSH Technical Breakfast Conoco-Phillips 6330 W Loop South SEG Annual Meeting	10 SEG Annual Meeting	11 SEG Annual Meeting	12
13	14	15 GSH Technical Luncheon HESS Building	16 Processing SIG Marriott @ 255 N. Sam Houston Parkway East,	17	18 GSH Tennis Tournament Chancellors Racquet Club 6535 Dumfries	19 GSH Sporting Clays American Shooting Centers 16500 Westheimer Pkwy.
20	21	22	23 Rock Physics SIG Visualization Center Veritas DGC, Inc 10300 Town Park Dr.	24	25	26
27	28	29	30	31		

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GEOPHYSICAL SOCIETY OF HOUSTON

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