

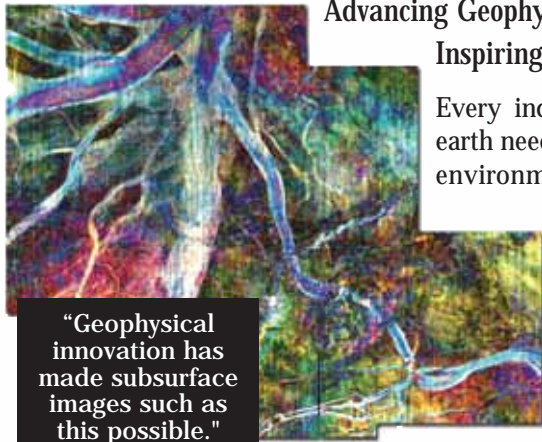
Carrying the Torch

Volume 2, Issue 1
March 2006

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SEG MAJOR GIFTS CAMPAIGN



Advancing Geophysics Today - Inspiring Geoscientists for Tomorrow

"Geophysical innovation has made subsurface images such as this possible."

Every industry that relies upon information from the earth needs good geoscientists if it is to succeed in today's environment. And while engineers, geologists and geophysicists must have some knowledge of each other's work and some understanding of how their work relates to the overall process, success for each requires excellence in his or her chosen discipline. That excellence is rooted in the professional society. SEG is dedicated to inspiring excellence in geophysics. SEG provides the opportunity to build upon the past, to stand on the shoulders of the

geophysics giants, to develop fundamental excellence in a way that no other organization can. That is why SEG continues to pursue its mission "to promote the science of geophysics, especially as it relates to exploration and research, to foster the common scientific interests of geophysicists, and to maintain a high professional standing among its members." And that is why SEG and the SEG Foundation are launching a plan to elevate the organization to a new level of excellence. This plan will benefit the geosciences in two important ways:

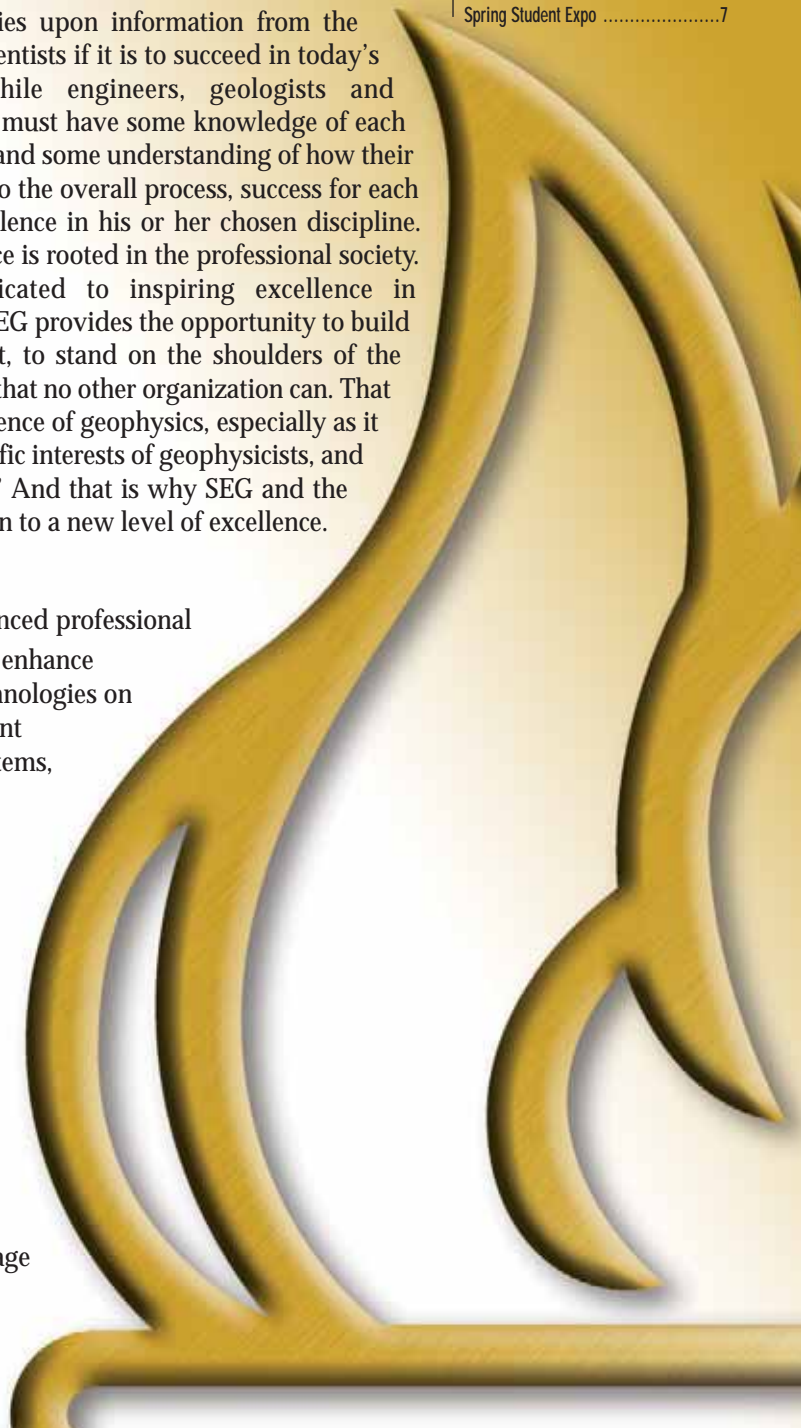
- ▶ SEG's plan will advance geophysics today through enhanced professional development programs. SEG must speed up innovation, enhance knowledge transfer, and encourage adoption of new technologies on a global scale. By enhancing our professional development activities, such as DISC, and improving our delivery systems, particularly our web presence, SEG will encourage the success of our members and increase their effectiveness in solving society's challenges; whether they be resource extraction, environmental stewardship, or humanitarian.



"Tomorrow's geophysicist at a Foundation supported field camp."

- ▶ SEG's plan will inspire geoscientists for tomorrow by attracting and training more young professionals. SEG has some 6,000 student members, up from 750 in 1995. These students, who are represented by 152 sections around the world, are keenly interested in the geosciences. SEG can do more to encourage these students and to cultivate a new generation of professionals to advance

continued on last page



FOUNDATION ELECTS NEW OFFICERS AND WELCOMES NEW BOARD MEMBERS

The SEG Foundation Board of Directors met on 19 January, 2006 for their first Board meeting of the year. The Board elected officers, welcomed new Board members, and recognized outgoing Board members, Lee Lawyer and Bob Graebner, both of whom will be awarded special mementos during the March Board meeting. The new roster for the Foundation Board may be found below.

OFFICERS

Richard A. Baile, Chair
Gary G. Servos, Vice-Chair
Charles B. Smith, Jr., Treasurer

RETURNING

BOARD MEMBERS

Bill Barkhouse
Elwin Peacock
Brian Russell
Gene Sparkman

NEW BOARD MEMBERS

Mark Gregg
Vicki Messer
Susan Mastoris Peebler
Zhijing (Zee) Wang

SEG EXECUTIVE

COMMITTEE LIAISON

Leon Thomsen
SEG President-Elect

MEET THE NEW BOARD MEMBERS

In this issue, we will be featuring two of our new board members, Vicki Messer and Zee Wang. Be sure to look for introductions of our other new board members, Susan Mastoris Peebler and Mark Gregg, in our next issue.



Vicki Messer, an SEG member for 25 years, is currently in charge of the onshore U.S. multi-client data at Veritas DGC. She also serves on Veritas' Profit Sharing Plan Investment Committee. Her current interests are advanced acquisition and imaging techniques, business valuations, engaging negotiations, and mentoring. Vicki's experience includes working at GSI in land acquisition and data processing as well as various manager assignments. At HGS, she served as Manager of the North America

Region and later as Director of world wide spec data project development and sales. She remembers the excitement of working on the design, acquisition and processing of the early 3D projects at GSI as well as the learning curve (the "Pitfalls") and the joy as the tools continued to improve. (Is there ever "enough" channels and compute power?) Vicki has served the SEG as Secretary-Treasurer of the Executive Committee, as a Finance committee member, and just retired from the Scholarship Committee after participating for eight years. She is a native Texan, graduated from Texas Tech with a degree in mathematics, enjoys family events and has recently discovered Sudoku.



Zhijing (Zee) Wang is currently Manager, Rock and Fluid Characterization Unit at Chevron Energy Technology Company, Richmond, California. Prior to his current responsibilities, he was Manager of Earth Science Competency and Personnel at Chevron Energy Technology Company in San Ramon, California, and a consulting professor at Stanford University. Zee holds both Ph.D. and M.S. degrees from Stanford University and a B.S. degree from Chengdu University of Technology in Sichuan, China,

all in geophysics. Prior to his joining Chevron, he worked for Core Laboratories and Western Geophysical in Calgary, Canada. He is interested in Rock Physics and its applications, Seismic Reservoir Monitoring and Characterization, Core Analysis, and Seismic and Log Interpretation.

Zee served as SEG 2nd Vice President, 1999-2000, and four terms as an Associate Editor for GEOPHYSICS. He is also a Special Advisor to the Chinese Society of Petroleum Geophysicists. He and Amos Nur are co-editors of SEG reprint books "Seismic and Acoustic Velocities in Reservoir Rocks, Volumes 1 (1989), 2 (1992), and 3 (2000)."

SEG FOUNDATION SUPPORTERS 2005

Advancing Geophysics Today – Inspiring Geoscientists for Tomorrow

To address the challenges facing the profession, SEG and SEG Foundation leadership has developed a bold plan for the future, a plan that will raise the organization, and the professions it serves, to a new level of excellence. With the help of SEG members and industry leaders, this extraordinary effort will accelerate the rate of knowledge transfer and attract more young people to careers in the geosciences. Contributions of \$5,000 or more are accepted, and may be pledged through December 31, 2010.

- Craig Beasley
- Richard A. and Fran Baile
- William Barkhouse
- L. Decker Dawson
- Mary Fleming
- Michael Forrest
- Robert Graebner
- David Lammlein
- Lee Lawyer
- David and Lorraine Monk
- Elwin Peacock
- William and Linda Pearson
- Susan Mastoris Peebler
- Robert Peebler
- Joseph Putman, III
- Richard Schneider
- Gary and Lorene Servos
- Charles and Jean Smith
- The Family of J. E. White
- Courtenay White
- CoCo Forte
- Duffie White
- Marie and Jess Jamieson
- Rebecca Vanderslice
- Sally Zinke

75th Anniversary Scholarship

During its 75th anniversary year, the SEG Foundation and the SEG Scholarship Committee found a special way to celebrate the work of the society and the fifty year record of success of the scholarship program. As an endowment, the 75th Anniversary Scholarship will serve as a perpetual reminder of this important milestone in the history of the SEG. The goal of the campaign is to raise \$500,000. Contributions of \$1,000 or more are welcome. Gifts of \$5,000 or more will also be recorded as part of the *Advancing Geophysics Today - Inspiring Geoscientists for Tomorrow* special effort.

- Lee Lawyer
- William and Linda Pearson
- Joseph Putman, III
- Richard Schneider

Doodlebugger Society

As an integral partner of the SEG, the Foundation and its generous donors work to help support programs and projects directly related to the mission and vision of SEG. The Doodlebugger Society is just one way that everyone can get involved. This very special donor club calls on the colorful history of geophysics for its name. Members of the Doodlebugger Society choose their giving levels and receive member benefits in return. Annual gift giving levels range from \$50 to \$999.

▶ \$501 to \$999

- James McNett

▶ \$251 to \$500

- Donald Frye
- David Lammlein
- Nancy Carter
- Olusegun Oduolowu
- Roy Clark, Jr.

▶ \$101 to \$250

- David Bartel
- Elisha Buckner
- Patrick Corbett
- David Fruhling
- Leigh House
- Richard Lockhart
- Randall Odom
- Sergio Paredes
- Elwin Peacock
- Robert Peacock
- Ugo Picchiani
- Monroe Savage
- John Sherwood
- William Silk
- Charles Swize
- Sven Treitel
- D. H. Waters
- John Willott
- Wenrong Xu

A Special Note to Our Donors:

You deserve to be properly recognized for your contributions and we strive for 100 percent accuracy. If we have made an error, please contact the Foundation Office (foundation@seg.org or 918-497-5538) with corrections.

ADVANCING GEOPHYSICS TODAY
INSPIRING GEOSCIENTISTS FOR TOMORROW



**SEG
Foundation**

SOCIETY OF EXPLORATION GEOPHYSICISTS

foundation@seg.org

GEOSCIENCE CENTER SEISMIC CUBE USED IN VENEZUELA

Bill Underwood and Susan Henley

The SEG Geoscience Center has developed and deployed a 3D interpretation exercise to introduce older high school and college students to petroleum geophysics. Using Gulf of Mexico data and instructions donated by Phillips Petroleum Corporation, the exercise requires participants to interpret faults and horizons on 3 cross-lines, 2 in-lines, the base, and the top of a seismic cube. This exercise has been used extensively in the Geoscience Center youth outreach program.

This exercise has been used by members around the world. Since its unveiling at the Annual Meeting in Denver in 2004, over 100 copies have been sent to professional geophysicists, university faculty, and businesses. Several geophysical contractors have used the cube to help train their personnel in the basics of seismic data.

Most recently, María Ángela Capello, SEG Vice-President, has taken this exercise to Venezuela. Ms. Capello gave the exercise to 21 graduate students pursuing a specialization in reservoir characterization at Universidad Central de Venezuela (UCV). The class was composed of petroleum engineers, geologists, and one geophysicist.

After spending an hour in class on the exercise the students decided to take the cubes home to finish them. One group even scanned the cube and made a smaller copy to divide up the exercise as they lived in different cities. While bringing the finished cubes back to class, students

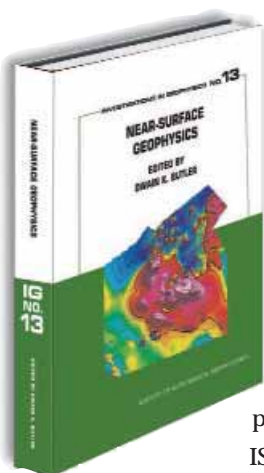


Students from the Universidad Central de Venezuela, UCV, build seismic 3D data cubes.

were continuously stopped by others to ask what they were. Some even asked if they were models of a building! What an opportunity to explain a little geophysics to a curious audience! The Geology and Geophysics library manager begged for a cube, even calling Ms. Capello on her cell phone. (Note: More cubes have been sent.)

After finishing the exercise the students themselves wanted to take it to the undergraduate students of the university. So, in teams of 2, they presented the Geoscience Center's seismic cube exercise to the geology, geophysics, and petroleum engineering classes.

This exercise is available in English and, thanks to María Ángela Capello's translation in January 2006, Spanish. Arrangements have been made to translate it into Portuguese and Italian. The exercise will be translated into other languages as the need arises. As time permits, this exercise will be placed online in the Virtual Geoscience Center for all to use.



NEAR-SURFACE GEOPHYSICS PUBLISHED

Near-Surface Geophysics (SEG Investigations in Geophysics Series No. 13), edited by Dwain K. Butler, was published in November 2005 and is selling well through the SEG Book Mart. The volume, funded in part by the SEG Foundation, presents concepts and fundamentals of near-surface geophysics in Part 1 and applications and case histories in Part 2.

Dedicated to Stanley H. Ward, *Near-Surface Geophysics* updates and extends the scope of his landmark three-volume book, *Geotechnical and Environmental Geophysics*, published by SEG in 1990. Part 1 of *Near-Surface Geophysics* contains innovative material on magnetic and electrical methods, subsurface geophysics, near-surface seismology, electromagnetic induction, and ground-penetrating radar. Part 2 emphasizes the determination of physical properties, the prevalence of multimethod surveys and integrated interpretations, and the increasing use of model-based survey planning, execution, and interpretation.

Near-Surface Geophysics, a peer-reviewed hardcover book of 732 pages, will be of interest to practitioners and students.

ISBN 1-560380-130-1
Catalog #116A

Published 2005, 732 pages, Hardcover
SEG Members \$89, List \$139

ANNUAL MEETING TRAVEL GRANTS

The SEG Annual Meeting is the Society's largest technical gathering and the world's biggest geophysical exhibition. It is also the largest gathering of the global geophysical community. Students have an opportunity to learn leading edge geophysical knowledge, meet potential and prospective employers, visit with individuals who are living the excitement of their chosen profession, and catch a glimpse of all the industry has to offer. Annual Meeting Travel Grants are available to help students defray the costs of travel, accommodations, meals, and incidental expenses.

For further information or to pick up an application, interested students should visit the SEG Foundation website after March 1.

<http://foundation.seg.org>

TRUSTEE ASSOCIATES ANNUAL MEETING

The Trustee Associates annual meeting has been scheduled for May 24-28. The meeting will be held in South Carolina this year, at the Mills House Hotel. A letter with further details will be mailed to all Trustee Associates during the first week of March.

PROJECTS OF SPECIAL MERIT

The application deadline for the Projects of Special Merit program was January 3, 2006. Twenty proposals were submitted and are currently under review by the SEG Project Review Committee. This committee will review these proposals in rounds and submit their recommendations to the Foundation Board of Directors for final approval. Applicants will be notified of their status by April 3, 2006.

NEW ORLEANS IS OPEN FOR BUSINESS

In spite of numerous challenges, New Orleans is recovering ahead of schedule and will be ready for the SEG 76th International Exposition and Annual Meeting this autumn.

If you are interested in learning more about the city's progress, please visit the New Orleans Convention and Visitors Bureau website:
<http://www.neworleanscvb.com/>



THANK YOU LETTERS

I just wanted to say thanks for setting up the trip to Houston. The meeting was very beneficial and I had lots of fun too. It was a great experience! It was amazing to see the emphasis some companies put on students. It was great to see. I'll be sure to pass the word along to students around here.

Anyways, thanks again and take care.

Brad Bonnell, Graduate Student
Dept. of Earth Sciences
Memorial University, Newfoundland

I just wanted to say that I really appreciated the opportunity to attend the Annual Meeting and present my work and I had a very good time . . . I am very appreciative of the support that I received. It was nice to meet you and some of the others from the Foundation and put faces with the names that I only communicate with by email.

Thanks for your help,
Steve Sloan
Graduate Research Assistant
Department of Geology
The University of Kansas

On Behalf of ITB Student Section of SEG we are very thankful for the grand award from SEG. I do not know how to say but the student is very grateful about the PCs and they start to using it for academic purpose.

Best Regards,
Mula Nur Ahmad
ITB Student Section of SEG

I had such a great time at the conference! I met tons of people and attended many lectures! I even lost my voice near the end! Haha!

Thanks again! I am so glad I had this opportunity!

Ashley Krakowka
Student

2006-2007 SCHOLARSHIP PROGRAM IS UNDERWAY

The application deadline for the 2006-2007 scholarship program was February 1, 2006. More than 400 new applications have been received and the Foundation business office is currently processing those applications and filtering out those that are ineligible and incomplete. Early estimates indicate that nearly 200 applications are eligible, complete, and will be sent to the SEG Scholarship Committee for review. In addition, 86 renewal applications will be reviewed by the committee as well.

The SEG Scholarship Committee is scheduled to meet on March 31 to select this year's scholarship recipients. The committee has a daunting task ahead of them, as they must choose the best of the best from hundreds of bright students from universities all across the world. Applicants will be notified of their results in April.

CANDID CAMERA

The following pictures were taken in November at the SEG Foundation Scholarship Alumni Reception, held at the 2005 SEG Annual Meeting in Houston.



1.) Pictured left to right: **Robert Sheriff** (Professor Emeritus of Geosciences, University of Houston), **Leon Thomsen** (SEG President Elect, 2005-2006) 1960-1964 SEG scholarship recipient, and **Thomas LeFehr** (SEG President, 1983-1984). 2.) **Robert Sheriff** is pictured here with **Jyoti Behura** (Colorado School of Mines), 2005-2006 recipient of the SEG 75th Anniversary Scholarship. 3.) **Vicki Messer** (2004-2005 Chair of the SEG Scholarship Committee) speaks about the success of the scholarship program and the challenges that lie ahead. 4.) Pictured left to right: **Neda Bundalo** (University of Houston), 2005-2006 recipient of the GSH/Carleton-Farren Scholarship, and **Katarina Jovanovic** (University of Houston) 2003-2004 recipient of the Margaret S. Sheriff Scholarship. 5.) Pictured left to right: **Darren Smith** (Paradigm Geophysical), 2001-2002 Landmark Graphics Scholarship recipient, **Gerrit Maureau** (President, Maur Oil International), 1961-1964 SEG Foundation Scholarship recipient, and **Katrina Smith**

Everyone Who Participates is a Winner!

- Individual Members
- Companies
- Sections/Associated Societies
- Student Sections

Prizes Prizes Prizes

- SEG \$\$ Vouchers (can be used for publications, merchandise, and registration)
- SEG Merchandise
- Annual Meeting Registration
- Onsite Professional Development Course (Companies)
- Distinguished Lecture digital disc (Sections)

New Categories More Prizes!

- ◆ **Top Company Prize:**
An Onsite Professional Development Course valued at up to \$5,495
- ◆ **Sections/Associated Societies Prize:**
Two complimentary Full Delegate Registrations to the 2007 Annual Meeting in San Antonio, Texas

It's Easy to Recruit New Members:

Visit our Membership Campaign site at <http://membership.seg.org/mgm2006/>

Download:

Applications: <http://membership.seg.org/mgm2006/downloads.shtml>

List of Benefits: <http://membership.seg.org/benefits.shtml>

Membership Brochure: <http://membership.seg.org/docs/SEGMemberBrochure.pdf>

For more information contact us at: membership@seg.org • telephone 918.497.5554 • fax 918.497.5565

Member Member -get-a- Member

2005/2006 Campaign

1 October 2005 - 30 September 2006

Getting involved in the SEG Member-Get-A-Member Campaign increases your odds in winning valuable prizes. Participation is easy! "Play Your Cards Right" and make the right combination by matching fellow colleagues with SEG membership and its many benefits.



1st ANNOUNCEMENT — GEOSCIENCE STUDENTS AAPG/SEG (SPRING BREAK) STUDENT EXPO MARCH 9 - 11, 2006



School of Geology & Geophysics — UNIVERSITY OF OKLAHOMA

EXPO is an annual job fair to bring together students and companies for formal and informal interviews in a lively, comfortable setting. It's three days of exploring and networking — complete with a poster contest(\$\$\$), optional short courses, a field trip, and **GREAT FOOD!!!**

Two sets of **CASH PRIZES** will be given to reward the top three "Geology" posters and the top three "Geophysics" posters. The three levels of prizes are as follows: **1st Place, \$500.00 ~ 2nd Place, \$250.00 ~ 3rd Place, \$100.00**

The 2005 AAPG/SEG Spring Break Expo was a huge success!!! The School hosted 168 students & 21 companies (14 offered formal interviews) and displayed 68 marvelous posters!

STUDENTS

There will be interviews available on Saturday, March 11th, with Energy Industry Recruiters. Send us an electronic copy of your resume and a one-page abstract explaining your poster. These will be provided to company recruiters prior to the Expo for review and pre-selection of candidates.

DEADLINE FOR SUBMISSIONS IS FEB. 15TH.

Go to <http://geology.ou.edu> to register online!

(and click on "2006 Spring Break Student Expo")

COMPANIES

This year you can view student information online. After you register, you will receive a password which will allow you to access electronic versions of resumes and abstracts. If you didn't receive a registration form by mail, go to <http://geology.ou.edu> and click on "2006 Spring Break Student Expo"/"Company Registration". You are also invited to present posters advertising your company and/or any current events.





Carrying the Torch

SEG FOUNDATION

P.O. Box 702740 • TULSA, OK 74170-2740

SEG MAJOR GIFTS CAMPAIGN (CONTINUED FROM FRONT PAGE)

industry and academia as the current workforce begins to retire. This will include a proactive effort to develop the leaders of tomorrow, to strengthen the caliber of geophysical education, and to expand the scholarship program to better serve the global student community.

The SEG Foundation, as an integral partner of the SEG, and our generous donors work to help support programs and projects directly related to the mission and vision of SEG. The SEG Foundation is currently moving forward with a special campaign, for individuals and corporations, that will advance SEG programs for the benefit of our members and society-at-large. Several important milestones have been reached:

- A case for support has been developed that clearly articulates the importance of the Advancing Geophysics Today, Inspiring Geoscientists for Tomorrow campaign.
- SEG has set aside one million dollars in matching funds to encourage donations. These funds may be utilized to match individual gifts of \$5,000 to \$50,000. These gifts may be pledged over a period of five years.
- Six highly respected geophysicists have agreed to serve as honorary chairs. They are Rutt Bridges, Luke Corbett, Decker Dawson, John Gibson, Aubra Tilley and Xu Wenrong.

Conversations have begun with the “internal leaders” of our Society. These are the men and women who have committed their time and resources in the past to grow SEG to our current success. Gifts totaling more than \$800,000 have been received to date. We invite the support of all those leaders and friends who value what SEG has accomplished, and who have the vision to see how much more is possible. Please contact any member of the Foundation Board, or Peter Pangman and Debbie Starnes in the SEG business office, if you wish to be part of this leadership effort.