

CARRYING THE TORCH

SOCIETY OF EXPLORATION GEOPHYSICISTS FOUNDATION

► YOUR ANNUAL SUPPORT MAKES A HUGE
IMPACT ON THE GEOPHYSICAL COMMUNITY

Changing Your World Has Never Been Easier!

As a geoscientist, you know how important your work is. Whether your job is fueling the earth, finding clean drinking water, or mitigating natural disasters, you are making a difference every day. But your workforce is aging and newer, better technologies are needed. The problem seems daunting. But the solution is easy. It's you! **Yes, you!** Your annual support of the SEG Foundation will make a huge impact on the geoscience community world-wide. That's why we're making it easier than ever for you to join an elite group of professionals who are passionate about their science, their profession, and their world.

With the annual support of dedicated professionals like you, the SEG Foundation is poised for continued success for many years to come. Our innovative programs continue to grow with your help. We continue to provide state of the art professional development programs. Thanks to the generous support of members like you, we continue to attract the world's best and brightest youth to our thriving industries. As geoscientists, we're very engaged in activities like finding oil and gas and exploring the near surface. We're also using our knowledge of the earth to mitigate environmental hazards, find clean water, and make our planet a better place to live. We are ready to face the many challenges that lie before us. But we cannot do it alone. **We need your help.** Your gift provides the critical operational support we need to run the programs that the geophysical community and the world need.



Thanks to the hard work of dedicated geoscientists like you, villagers in Salri, India will now have access to clean drinking water for themselves and their livestock. Photos taken from a Geoscientists Without Borders project recently funded by generous SEG Foundation supporters.



Your gift, no matter its size, will make a difference. Donating online is easier than ever.

PLEASE LOG ON.

A BETTER WORLD IS JUST A FEW CLICKS AWAY:

→ www.seg.org/donate

DON'T MISS OUR LATEST SUCCESS STORIES!



You'll find them scattered throughout this issue.

THANKS FOR YOUR CONTINUED SUPPORT!

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SNEAK PREVIEW!

A special opportunity is coming to your mailbox this summer. Keep your eyes open for future announcements in *THE LEADING EDGE*.

You won't want to miss our exciting email updates! PLEASE TAKE A MOMENT TO ADD US TO YOUR ADDRESS BOOK:

→ foundation@seg.org

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OUR MISSION:

"To encourage and support scientific, educational, and charitable activities of benefit to the general public, to geophysicists, and to the geophysical community."

PLEASE SEND COMMENTS OR INQUIRIES TO:

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Changing Lives Across the World!

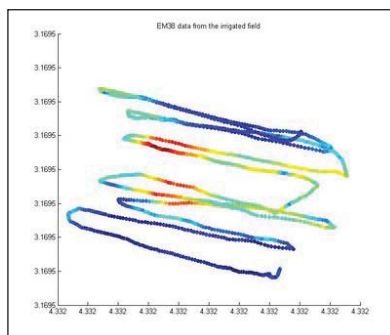
Geoscientists Without Borders shows us the soft side of Earth Science.

By now you've heard about our exciting new program that uses geophysical techniques to solve humanitarian problems. In only its first year of operation, Geoscientists *Without Borders* is already making a huge splash around the world! Thanks to founding supporter, Schlumberger, we have already funded several worthy projects that address issues such as providing clean water for needy communities and developing safe evacuation structures in areas threatened by tsunamis.

One of the first projects funded through this program addresses the severe water crisis in rural India. Clemson University in the United States has teamed up with the Foundation for Ecological Security (a non-profit organization in India), to use electromagnetic induction to map soil moisture and shallow aquifers in the Salri watershed in the State of Madhya Pradesh, India. Although annual rainfall for the area is between 17 and 64 inches annually, most of it falls during three months each year. The combination of monsoon rains for three months, deforestation, and the complex basaltic geology of the area creates a problem of high levels of runoff. This results in low storage capacity for the dry season and drought. The resulting scarcity of fresh water impacts the health, productivity, and quality of life for millions of people in central India. The goal of this project is to increase water supply through water capture, storage, and usage management. Geoscientists *Without Borders* will provide tools and knowledge that will assist villagers in making agricultural water management decisions that will favorably impact their water supply throughout the year. Professor Stephen Moyses of Clemson University and Rangoori Ravindranath of the Foundation for Ecological Security are leading the efforts of this exciting project.

You can help needy communities worldwide with your gift to Geoscientists *Without Borders*. YOU CAN DONATE ONLINE AT

www.seg.org/donate



"...So overall, the mapping went very well, and the results that we got from the mapping look very promising for future investigations. Not only did we get some good mapping in, Minakshi and Aberjeet learned a little bit about running the GEM." Read more about this exciting project on Dan's India Blog!



Get up close and personal with a Geoscientists *Without Borders* project!

Join Clemson University graduate student, Dan Matz, as he blogs about his experiences helping residents of rural India solve a severe water crisis.

<http://dansindiablog2009.blogspot.com/>

NO THANKS TO THE ECONOMY...

2009-2010 Scholarship Program is Huge Success!

Thanks to passionate donors, SEG Foundation awards 150 scholarships this year.

Results of the 2009-2010 Scholarship Program are in! We couldn't be prouder of the program. The Board of Directors recently approved the Scholarship Committee's recommendation to fund 150 scholarships, totaling \$415,020, to 138 students across the globe.

You may ask yourself why there are 150 scholarships and only 138 students. This demonstrates the Scholarship Committee's commitment to providing financial awards of real value to our most promising students. The recent economic downturn took a toll on our endowments. Many of our scholarships simply could not payout at the same level they did last year. To make up for the decrease in value, twelve exceptional students were awarded two scholarships each.

Thanks to many of our dedicated donors, several of our endowed scholarships were supplemented with one-time gifts to increase students' payouts to the same level they were at last year. Without this critical support, our report today would be another "down" story about a "down" economy. Furthermore, many geoscience students throughout the world would not have received funding at the level required to sustain their hard work and study.

SPECIAL THANKS TO OUR DONORS

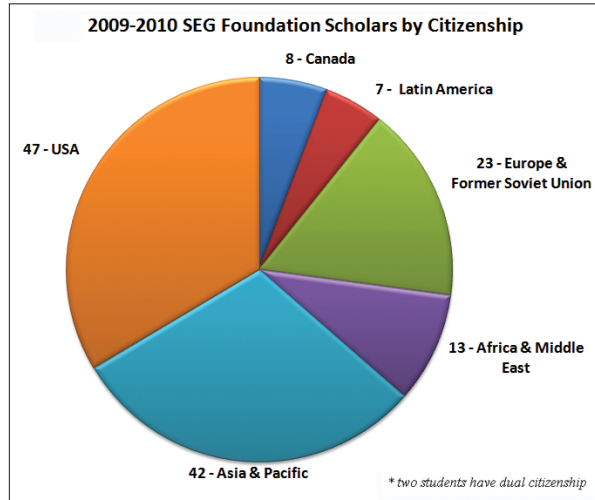
WHO CAME THROUGH WITH SCHOLARSHIP SUPPLEMENTS THIS YEAR:

- ▶ James L. Allen
- ▶ ExxonMobil
- ▶ Donald and Nancy Frye
- ▶ David R. Lammlein
- ▶ Elwin Peacock
- ▶ Robert Peacock
- ▶ Seismic Exchange Inc.
- ▶ Gary and Lorene Servos
- ▶ Charlie and Jean Smith
- ▶ Kenneth and Kim Zonge

Thanks to all of our scholarship donors!

WE APPRECIATE YOUR CONTINUED SUPPORT!

Joseph Doetsch, ETH Zurich (Swiss Federal Institute of Technology Zurich), is operating a PulsEKKO 250 MHz shielded GPR antenna at Thur River in Northern Switzerland. Joseph is a 2009-2010 recipient of the SEG/Gary and Lorene Servos Scholarship.



“ I have been a recipient of various SEG scholarships, both supporting my MS studies in Geophysics at the University of Houston and PhD studies in Geophysics at the California Institute of Technology. Robert E. Sheriff scholarship, the first SEG scholarship I received, had a very profound impact on my life, since it fully enabled me to move to the USA from Serbia, and continue my graduate education and research abroad. Other scholarships I received over the years through the SEG Foundation and its Donors (Anadarko, John R. Butler) facilitated my graduate experience enormously by providing financial assistance for educational and research activities. More importantly, these scholarships enabled me to establish a very good network with other geophysicists and companies involved in geophysical exploration, which will be very beneficial for my future career. As I am approaching the final stage of my graduate studies, I am hoping I will get an opportunity to take part in the SEG Foundation activities in the future, by facilitating new generations of students to build even stronger ties with the geophysics community, ultimately contributing to overall advancements of the Earth exploration as a whole.”

- Sonja Spasojevic,
California Institute of Technology,
2009-2010 recipient of the
Anadarko/SEG Scholarship

TRUSTEE ASSOCIATES 2.0

Historic Donor Club Upgraded

Your opportunity to join is here!

By now you know that the Trustee Associates are the premier donor club of the SEG Foundation. But do you know why?

The Trustee Associates are pioneers! Originally formed in the 1980s, our founding Trustee Associates laid the groundwork and paved the road that led to the SEG Foundation as you know it today. They provided unrestricted gifts that were a critical portion of the Foundation's operating fund. Trustee Associates were then, are now, and will continue to be essential to our success.

The Foundation Board recently revised the criteria to join this unique group. You can join with a one-time gift or through a cumulative history of donations totaling \$10,000 or more. Isn't it time you got started? No special invitation necessary! You will be part of one of the Foundation's most exciting donor clubs. Better yet, you will be supporting the science and the profession that you are so



We wish to thank our Trustee Associates, several of whom are pictured here, for their years of dedication and support of the SEG Foundation and its many important programs. Please join them in their efforts to advance geophysics today and inspire geoscientists for tomorrow.

passionate about. You will be equipping today's geophysicists with the knowledge and tools they need now while carving a path for the next generation of geoscientists. You will make the world a better place to live.

The accompanying page lists our current Trustee Associates. We're certain you will see many

of your friends, colleagues, and perhaps a mentor or two. Be a part of this prestigious group of geoscience professionals. Join the Trustee Associates today!

For more information, send an email to foundation@seg.org.



GLOBE-TROTTING STUDENTS PREPARE FOR THE FUTURE...

Student Education Program Energizes Grad Students World-wide!

Visionary program prepares geoscience students for oil industry careers.

Thanks to tremendous support from ExxonMobil, the new SEG Student Education Program (SEP) is off to a fantastic start in 2009! Three SEPs have already been held and 79 promising students from 18 countries received travel grants to these events. Our first SEP this year was held in Bahrain, on April 9 and 10. Next was SEP Beijing, which was held April 22 through 24. On June 7 and 8, we hosted

the joint SEG/EAGE SEP in Amsterdam. Plans are underway for the North America SEP to be held in conjunction with the SEG Annual Meeting in Houston in October. Applications are being accepted through July 1.

The first-ever SEG/ExxonMobil Student Education Program kicked off last year in Las Vegas. This program, a huge success, strikes a chord with graduate students who are anxious to familiarize themselves with the professional world of geophysics. Through this program, which emphasizes practical multi-disciplinary



SEG President, Larry Lines, meets with several students during the SEP Beijing reception.

subsurface integration aspects of geophysics, ExxonMobil and your Foundation are energizing students by introducing them to the breadth and challenges of an oil industry career.

FOR MORE INFORMATION, PLEASE VISIT:
 www.seg.org/students



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The SEG Foundation recognizes a special leadership group of contributors, known as the Trustee Associates. Below, these members are acknowledged by their cumulative support of the Foundation.

▶ \$1,000,000 AND UP

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- Anonymous Donor

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- S. Rutt Bridges

▶ \$100,000 TO \$249,999

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▶ \$10,000 TO \$24,999

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► DOODLEBUGGERS ROCK!

Calling all Doodlebuggers!

Join your peers as they support the geoscience community.

Have you renewed your membership in the Doodlebugger Society this year? If not, now is a great time! Your unrestricted gift of \$50 to \$999 automatically qualifies you for annual membership. Students, you can join too for as little as \$25!

Simply choose your giving level and receive member benefits in return. You can rest assured that your gift of any size will make a significant impact on the worldwide geophysical community. Doodlebuggers fund an important portion of the Foundation's operations, making it possible for us to fulfill the Foundation's mission and provide the programs and activities that the geoscience community needs.

Joining your friends and colleagues is easy. If you're already a Doodlebugger, please consider increasing your level of support. Every dollar helps! You can donate online at www.seg.org/donate, or you can mail a check in the enclosed envelope. We also accept credit card payments by telephone (+918.497.5513).

Thank you to our current Doodlebuggers! Your support has been instrumental to our success. Without you, the SEG Foundation would not be the same. Doodlebuggers rock!

For more information, please send a message to foundation@seg.org.



Friends and Colleagues Seek Funding to Establish Memorial Scholarship

In Memory of Brent Miller

Peers and friends of the late Brent Lee Miller, a 25-year member of the Society of Exploration Geophysicists and long-time supporter of the SEG Foundation, seek funds to establish the Brent Miller Memorial Scholarship. Brent lost his brief battle with cancer on December 29, 2008. He is survived by his wife, Liz, and their two children, Jacquelyn and Joshua. Brent will be dearly missed by his family, friends, and colleagues.

Colleagues hope to raise \$5,000 to provide a scholarship student at Montana Tech.

Donations may be made online at www.seg.org/donate

Please enter "Brent Miller Memorial Scholarship" in the memo field of the donate-online webpage.

Donations by check may be mailed to:

SEG Foundation
P.O. Box 702740
Tulsa, OK 74170-2740

For more information, or to make a donation by credit card, please call **+1-918-497-5513**.

► THANKS TO PASSIONATE SUPPORTERS...

Record-breaking Year for Field Camps! SEG Foundation provides critical field experience for geoscience students.

Thanks to the support of generous donors like you, we are funding 14 field camps world-wide with a record-shattering \$91,150 this year! Students in the United States, Canada, South Africa, Romania, Germany, Indonesia, Nigeria, and the United Kingdom, will experience geophysics first-hand in the field.

Special thanks to TGS! Their recent \$500,000 commitment to field camps provided much of the funding awarded this year. TGS demonstrated their passion for geoscience, students, and SEG with their five-year pledge to the Foundation. This year, and for the next

Geophysical Pursuit, Inc., represented by owners Jeff Springmeyer (center) and Larry Galloway (right), are presented with an award by Foundation Board Vice-Chair, Bill Barkhouse (left), during the 2008 SEG Foundation Celebration Luncheon in Las Vegas.



four years, TGS will infuse our Projects of Special Merit program with \$80,000 earmarked specifically for summer field camps!

We would also like to thank Geophysical Pursuit, Inc., Jeff Springmeyer, and Larry Galloway for their founding investment in the SAGE summer field camp. Geophysical Pursuit also came through with an additional donation this year to supplement the award payout from the SAGE endowment. Other donors responsible for this year's field camp success include Richard Degner, Rutt Bridges, and the Canadian Society of Exploration Geophysicists. Thank you for your support!

With the help of our generous supporters, we are inspiring the geoscientists of tomorrow and preparing them for future careers. With your help, we can do even more! Your unrestricted gift to the SEG Foundation provides critical operational support of activities and programs like field camps. Giving is easy. Simply mail a check in the enclosed envelope or donate online at www.seg.org/donate.

DISC BLASTS THROUGH MIDLAND, TEXAS!

Patrick Corbett brings the legendary DISC tour to the Permian Basin

The SEG/EAGE Distinguished Instructor Short Course, better known as DISC, recently toured through Midland, Texas, for a one-day short course on petroleum geoen지니어링. Patrick Corbett, from Heriot-Watt University in the United Kingdom, is this year's distinguished instructor. Being

chosen as a DISC instructor is a huge honor bestowed upon a select few professionals recognized for their excellence by both SEG and EAGE.

During his DISC tour, Patrick focuses on the impact of petrophysical heterogeneity at various scales on the recovery of oil and gas. His ultimate

objectives are to enable technical staff to maximize the recovery of hydrocarbons.

Patrick's tour has already been a huge success! This year's DISC has already been presented in cities such as London, Calgary, Houston, Rio de Janeiro, and Amsterdam. With more than a dozen stops remaining worldwide, you still have plenty of opportunities to participate. Professionals and students alike should not miss this opportunity to advance their careers by learning how to increase the effectiveness of geophysical techniques.

FOR MORE INFORMATION, VISIT

www.seg.org/DISC



"It was very practical! Yet it also challenged me in new ways to think about and use old concepts in a more effective manner. I asked the reservoir engineer on my team to go – it was very effective to have us both there." –DISC participant in Midland, TX

SEG WATCH

SEG Teams Up with the International Year of Planet Earth

SEG is a proud supporter of the International Year of Planet Earth (IYPE), a joint initiative of UNESCO (United Nations Educational, Scientific and Cultural Organization) and the International Union of Geological Sciences.

The IYPE builds upon the successful International Geophysical Year, which half a century ago coordinated the efforts of geoscientists from 67 countries to observe a broad range of geophysical phenomena. SEG's participation contributed significantly to that first initiative through efforts to seismically record underground nuclear explosions and create a gravity map of the world. Our role in the International Year of Planet Earth is equally important, especially with today's growing concerns

about the environment and global warming.

Like its predecessor, the IYPE is calling to geoscientists around the world, this time for an ambitious international program to demonstrate how society can benefit from accumulated knowledge about the interplay between solid Earth and the environment.

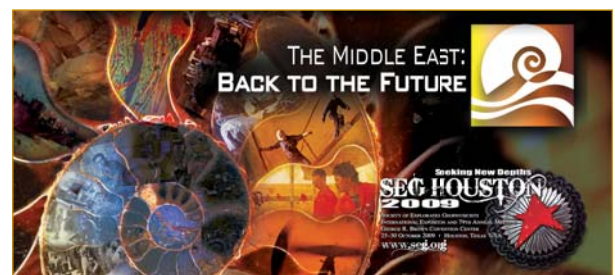
In February 2008 the program kicked off in France where top scientists, CEOs of leading industries and leading politicians, addressed three conceptual issues: (1) population growth and climate change: challenges for Planet Earth, (2) Earth resources: threat or treat? and (3) geohazards: minimizing risk, maximizing awareness. Over the course of the program, activities have engaged

people from all walks of life in examining these issues and seeking sustainable solutions.

To advance the discussion even further, SEG has invited the IYPE to participate in the 2009 SEG Annual Meeting in Houston. IYPE representatives will exhibit in the International Showcase, present the program's Middle East activities at the Global Theatre and make targeted presentations at Global Affairs Committee luncheons. The IYPE's involvement in the Annual Meeting will provide a new audience for the program and serve as a celebration of its success.

TO LEARN MORE ABOUT INTERNATIONAL YEAR OF THE PLANET EARTH, VISIT

www.yearofplanetearth.org



Innovative Projects Infused with Foundation Funds

Thanks to generous donors, five project proposals approved for 2009.

The Review Committee for Projects of Special Merit, chaired by Gokay Bozkurt, is excited to announce this year's recipients of project funding. Five projects were awarded a total of \$16,500. Below is a list of this year's projects. Projects range from an earth science exhibition at the Kingman Museum in the United States to field trips at the University of Novosibirsk in Russia.

PROJECT	ORGANIZATION	APPROVED FUNDING
GeoFORCE	University of Texas at Austin	\$5,000
Interactive Geology Project	University of Colorado	\$5,000
Earth Science Exhibition	Kingman Museum	\$3,000
Geophysical Education Field Trips	University of Novosibirsk	\$2,000
Hurricane Ike Repairs/Offshore Drilling Rig Museum	Offshore Drilling Rig, Inc.	\$1,500

For more details or application information, please write to: projectsofmerit@seg.org

Special thanks to our donors! Your support made this year's success possible. The Projects of Special Merit program is an excellent example of the power of your unrestricted gift. Each of these projects was funded by the Foundation's general operating budget. Unrestricted gifts allow SEG Foundation leadership to utilize funds where they are needed most. You can help by contributing online. → www.seg.org/donate

GeoFORCE, University of Texas at Austin: \$5,000

The UT-Austin Jackson School of Geosciences' GeoFORCE Texas Program addresses the critical need to increase opportunities for historically underrepresented women and minorities in careers in science, mathematics, and technology. The program is designed to encourage students from minority-serving high schools, in rural South Texas and inner-city Houston, to take on the challenges of a rigorous math and science curriculum and pursue higher education in these fields. Summer academies and field trips introduce students to exciting careers in the geosciences, involve them in authentic activities of a geoscientist, and inspire them to pursue higher education to prepare for science, technology, engineering, and mathematics fields.

FOR MORE INFORMATION, PLEASE VISIT THE GEOFORCE WEBSITE AT:

www.jsg.utexas.edu/geoforce

Students participate in the UT-Austin Jackson School of Geoscience's GeoFORCE Texas program, where they are introduced to exciting careers in geoscience industries. Photos courtesy of GeoFORCE Texas.

