

CARRYING THE TORCH

SOCIETY OF EXPLORATION GEOPHYSICISTS FOUNDATION

Geoscientists *Without Borders* transforms lives across the world *Your help is needed to keep this important program running strong*

As Geoscientists *Without Borders* (GWB) closes on its first year of operation, we have a lot to celebrate! Several projects are already underway and more are slated to begin soon. From solving a rural water crisis in India, to designing earthquake and tsunami evacuation structures in Indonesia, geophysicists are taking action across the globe, transforming at-risk communities, and saving lives. Although its first year has been incredibly successful, GWB needs your support to continue impacting lives worldwide.

GWB is the brainchild of Craig Beasley who, as SEG President in 2004, declared that geophysicists have the knowledge and technical skills needed to mitigate natural disasters and solve humanitarian and environmental problems. This realization came after the devastating tsunami of December 2004 that took hundreds of thousands of lives and displaced entire communities. Craig championed the cause and was instrumental in his employer's decision to invest in this important work. Schlumberger/WesternGeco responded with a \$1,000,000 commitment to found the Geoscientists *Without Borders* program.

Santos Ltd. and Global Geophysical Services have recently followed Schlumberger's lead and committed to an additional \$250,000 each toward GWB. Their investments in this program ensure that new projects can begin, such as the upcoming groundwater project for aboriginal communities in remote and arid parts of South Australia. This project is lead by the University of Adelaide and seeks three principal outcomes: to determine optimal borehole locations for the aboriginal communities to develop sustainable groundwater resources, to better understand and make recommendations as to how magnetotelluric instruments can be deployed to reduce the risk of drilling dry holes, and to more fully understand how groundwater



GWB project manager Veronica Cedillos (second from right), team members, and staff of the Regional Disaster Planning Agency (Padang City) review areas vulnerable to tsunami inundation based on earthquake geophysical modeling. Photo courtesy of GeoHazards International.

in fractured rock can be effectively imaged by electrical conductivity variability.

Thanks to dedicated and compassionate donors like Global Geophysical, Santos, and Schlumberger, Geoscientists *Without Borders* has successfully transformed from a dream into a reality. However, we need your help to keep this unique program alive and successful. GWB has received an outpouring of interest and volunteer support over the past year. But, now, what we really need is additional funding to continue our critical work.

Recent earthquakes and tsunamis in the South Pacific are devastating reminders that geophysicists are needed now more than ever to help mitigate natural disasters and solve humanitarian crises. Although you may not be in a position to lead a project in the field, you can still help. Please give to Geoscientists *Without Borders* and help us put geophysicists to work where they are needed most. **You make a difference!**

GIVE ONLINE AT www.seg.org/donate

To designate your gift to Geoscientists *Without Borders*, simply enter code GWB in the memo field of your online gift form. For more information, please write to withoutborders@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.”

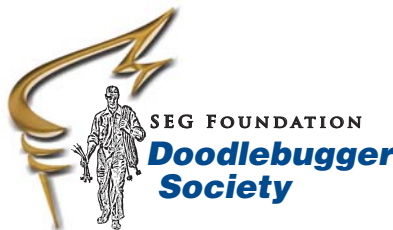
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Annual giving critical to SEG Foundation success *Donors clubs available to recognize support and maximize impact of giving*

In case we haven't told you lately, thank you for supporting the SEG Foundation! So far, we've raised approximately \$145,000 this year toward operational expenses. This does not include funds raised for specific programs and initiatives. Although the year is quickly coming to a close, more unrestricted funds are needed to ensure the ongoing success of your Foundation.

Without unrestricted funding, we would not be able to support the geophysical community with programs like scholarships, travel grants, professional development, SEG Online, and Geoscientists *Without Borders*. Your unrestricted gift is the backbone of the SEG Foundation. To recognize your critical role in our success, the Board of Directors has formed three key donor clubs. While many of you may find that one club suits your needs, others may find themselves participating in more than one club simultaneously.



Doodlebugger Society is your club for annual gifts of \$50 to \$999. Students can participate as well for an annual gift of \$25. There are three recognition levels within the Doodlebugger Society. Members choose their level of giving and receive various benefits in return, such as a Doodlebugger Society lapel pin, recognition in *Carrying the Torch* or *THE LEADING EDGE*, and a print of the famous Jug Hustler watercolor for members of the highest level.

High Velocity is our newest club for donors providing annual gifts between \$1,000 and \$5,000. In addition to receiving different member benefits at three separate giving levels, members of High Velocity receive special opportunities to engage SEG Foundation leadership in efforts to positively impact the geophysical community. Each member of High Velocity also receives a coveted invitation to the exciting SEG Foundation donor luncheon, held in conjunction with the SEG Annual Meeting.



Trustee Associates are the premier group of SEG Foundation supporters. Trustee Associates have a long-standing reputation for delivering programs and activities that the worldwide geophysical community needs. Through their own financial commitments to the SEG Foundation and through their unwavering efforts to raise funds and affect positive change, the Trustee Associates are largely responsible for the success of the Foundation over the past two decades. The

Board of Directors recently enhanced the Trustee Associates donor club, to energize the Foundation and to make the club more accessible to geophysical leaders with a passion for improving our community and promoting our profession. Thanks to these enhancements, any individual donor who has given \$10,000 or more cumulatively will be eligible to join this prestigious group of dedicated geophysical leaders as a Trustee Associate.

► **You can join any of these donor clubs today and support your geophysical community by visiting our Web Site.** JOIN www.seg.org/donate

► **Your gift, no matter its size, will make a difference. By working together, we will accomplish what no one can do alone.**

TO LEARN MORE ABOUT ANNUAL GIVING AND DONOR CLUBS, PLEASE VISIT

► www.seg.org/annualgiving

Honorary Lecturers span the globe

Geophysical experts share knowledge with professionals and students alike

Thanks to a \$1.25 Million commitment from Shell International E&P to the SEG Foundation, the SEG Honorary Lecturer (HL) program is now up and simultaneously running in six regions around the world: Europe/FSU, Asia, Africa/Middle East, Pacific South, Latin America, and North America. This remarkable professional development program serves practicing geophysicists and students around the world, while recognizing and honoring geophysical experts residing in the regions it tours. This year's Honorary Lecturers are Samir Abdelmoaty, Per Avseth, José Carcione, Bill Goodway, Bob Hardage, Andrew Long, and C. H. Mehta.

The HL program promotes sharing of geophysical technology and expertise. It also energizes students, by introducing them to the breadth and challenges of a geophysical career, while strengthening SEG Student Chapters and related university programs. The HL program also encourages collaboration between SEG and local geophysical societies.

You can participate too! Look for an Honorary Lecturer coming to your region soon, BY VIEWING THE HL SCHEDULE AT

www.seg.org/hl

We're pleased to tell you that you will soon be able participate in an HL session online! You'll find more information about this exciting development in the accompanying SEG Online article in this issue of *Carrying the Torch*, or on page 1173 of the October issue of THE LEADING EDGE.

SEG Online Evolves

SEG Online is growing to meet members' expanding needs.

Thanks to passionate supporters, SEG Online is changing to meet member needs, incorporate emerging technologies, and satisfy demand for geophysical research online. Soon you'll find exciting new features like expanded online education offerings and "Web 2.0" tools at www.seg.org. These changes include more robust online collaboration tools, enhanced e-commerce capabilities, and state-of-the-art continuing education courses that are available anytime and anywhere.

Imagine participating in the famous SEG/EAGE Distinguished Instructor Short Course (DISC) on your own schedule and at your own pace! You can hone your technical skills and increase your geophysical knowledge from the comfort of your own home or even from the airport. No matter what time of day or night it is or where you may be, you will soon have the capability to tune into a Distinguished Lecturer or Honorary Lecturer course.

Several visionary corporations and individuals recognize the value that SEG Online brings to the geoscience profession and our industries. They have taken steps to ensure that SEG Online thrives and grows. Corporate leaders like China National Petroleum Corporation, CNPC, Halliburton/Landmark, ION, PGS, and Seismic Micro-Technology (SMT) have stepped forward with multi-year commitments to the SEG Foundation. Forward-thinking individuals like Rutt Bridges, Bob and Susan Peebler, and Bill Barkhouse

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Honorary Lecturer, Andrew Long (center), at Gadjah Mada University in Yogyakarta, Indonesia.

Here's what some of members have to say about their Honorary Lecturer experiences:

BILL GOODWAY'S HONORARY LECTURER TOUR IN NORTH AMERICA

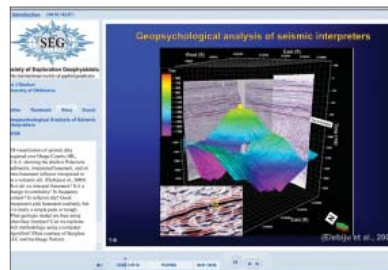
"Bill gave an excellent lecture on a very relevant subject. His presentation materials were clearly laid out and he provided some excellent real data examples to back up the theory. Bill provided detailed further reading to the society for those that wanted to follow up the details of his presentation. Bill's lecture was a great success sparking much interest and we are very grateful that he came to visit with our group."

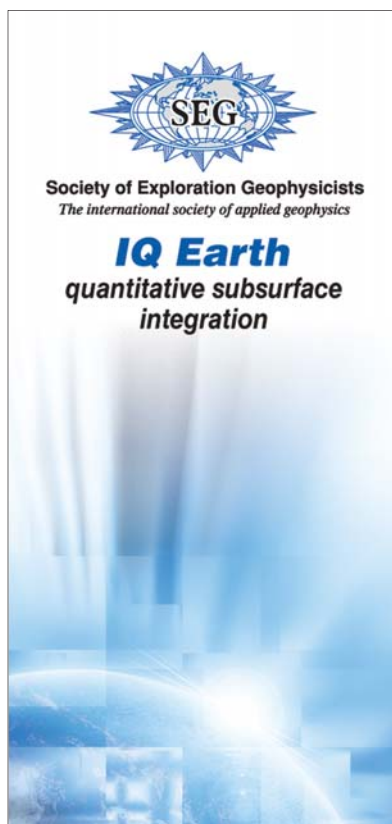
*- Phil Rorison,
Geophysical Society of Alaska*

PER AVSETH'S HONORARY LECTURER TOUR IN EUROPE/FSU

"Per tailored his talk to the expected audience, having asked about the mix of postgrad/undergrad and geologists/geophysicists. He kept the geologists engaged while exploring the geophysics of the AVO anomalies. It was an excellent lecture. Afterwards we had a lengthy discussion session starting in the lecture room, and adjourning to a less formal room with tea and coffee. Per was heavily involved in discussions with our academic staff, the industry visitors, and our students, and seemed to enjoy it very much. Per's enthusiasm for the topic, and care to engage with discussion at different levels were exemplary."

- Ian Hill, University of Leicester





SEG Launches IQ Earth

StatoilHydro leads with commitment to SEG Foundation

Do you believe SEG could do more to facilitate multi-disciplinary subsurface integration in the oil and gas business? If so, we have good news! SEG has launched a new initiative called IQ Earth. The goal of IQ Earth is no less than “creating a fundamental change in visualizing and predicting subsurface structure, rock and fluid properties; driven by renewed focus on multidisciplinary integration and the new quantitative earth model paradigm, applied by the next generation subsurface scientist, and developed from a core foundation of geophysical data.”

The official IQ Earth kickoff event will be a SEG Forum, held on January 26-28, 2010, in Charleston, South Carolina. This forum is designed to bring together thought leaders in key aspects of IQ Earth, including people, process, and technology. You can learn more about this exciting new initiative at www.seg.org/iqearth.

Norwegian oil company StatoilHydro has assumed a leadership position with a \$1 Million sustaining investor commitment to the SEG Foundation, which was announced in Las Vegas last year during the closing celebration of the *Advancing Geophysics Today – Inspiring Geoscientists for Tomorrow* campaign. StatoilHydro’s investment will support a multi-year initiative, including additional workshops, publications, and sponsored research.

To find out how you or your employer can participate in this groundbreaking project, simply WRITE TO _____

→ iqearth@seg.org

Top 10 Reasons to Visit the SEG Foundation booth this year:

1. Learn about scholarships, travel grants, and student leadership programs.
2. Find out how to secure funding for your project of special merit.
3. Hear about field camp grants for students.
4. Meet Geoscientists *Without Borders* project recipients and find out what they’re doing to transform lives in at-risk communities.
5. Use our interactive map to suggest new Geoscientists *Without Borders* projects and locations.
6. Find your name on our donor wall and learn which of your colleagues support the SEG Foundation.
7. See your money at work by learning about this year’s grant program recipients.
8. Join the Doodlebugger Society or pick up your lapel pin if you’re already a member.
9. Learn about our newest donor club – **High Velocity**.
10. Meet our Trustee Associates and learn how you too can lead.

Seeking New Depths
SEG HOUSTON
2009



You’ll find all of this and more, only at the SEG Foundation booth.

We are conveniently located in the SEG Pavilion, near the Book Mart.

SEG Online Evolves *continued from page 3*

have also demonstrated their support of SEG Online with personal commitments to the SEG Foundation. Without support from these leaders, SEG Online would be very different today. These dedicated supporters help ensure that geophysicists all over the world have access to geophysical knowledge wherever they are and whenever they need it.

You can help too! Give online at www.seg.org and/or encourage your employer to get involved like other leading companies.