Many of you know by now that this year marks the 15th year anniversary of the founding of the NSG section in the SEG. As we take a look back at some of the key events in the NSGS’s history, we are reminded of our close ties to other SEG sections such as the Mining and Geothermal and Gravity and Magnetics sections. We hope the next 15 years will be as vibrant and productive as the last.

1971 – The SEG forms the "Engineering, Groundwater and Construction Committee", the first group with a near-surface focus.

1972 – The Engineering, Groundwater and Construction Committee is incorporated into the existing Mining Geophysics Committee. The Mining Geophysics Committee becomes the "Mining, Engineering, and Groundwater Committee."

1977 – At the annual meeting in Calgary, Alberta, Canada, discussion begins on forming a separate Engineering and Groundwater Geophysics Committee and is subsequently proposed to the SEG.

1978 – The proposal to create the Engineering and Groundwater Geophysics (E&GG) Committee is approved by the SEG.

1979 – The E&GG Committee meets for the first time. The chairman position is established as a two-year office. Phil Romig serves as the first chairman followed in subsequent years by Tom Dobecki, Clark Davenport, Jim Hunter, Richard Hopkins, Robert Ballard, Phil Romig again, and Doug Crice.

1982 – The first E&GG session is organized at the SEG annual meeting. Jim Hunter, et al., present their seminal paper entitled “Field experience with the ‘optimum window’ hammer seismic reflection technique”.

1983 – The number of E&GG sessions at the SEG annual meeting increases to three, and peaks in 1990 and 1991 with four.
1985 – Stan Ward as Editor in Chief of *Geophysics*, establishes an Associate Editor position for an E&GG Committee member. Don Steeples serves as the first Associated Editor of *Geophysics* with near-surface geophysics expertise.

1986 – The first special issue on “Engineering and Groundwater Geophysics” is published as the February issue of *Geophysics*, followed in March by an issue on “Archaeology and Geophysics”.

The first annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP) takes place to “reach out to the potential clients of engineering and environmental geophysicists and help them to better understand both the capabilities and limitations of shallow geophysical surveys” (excerpted from the *President’s Page* by D. Steeples, The Leading Edge, Volume 12, Issue 3, March 1993). The formation of SAGEEP is followed by formation of the Environmental and Engineering Geophysics Society (EEGS) six years later, providing a complementary society with an exclusive engineering and environmental focus.

1988 – Don Steeples becomes Editor in Chief of *Geophysics*, serving for 2 years.

1990 – *Geotechnical and Environmental Geophysics, Volumes I – III*, edited by Stan Ward, is published and becomes one of the highest selling SEG publications of all time.

Membership in the E&GG Committee peaks to over 110 members.

1991 – At its regular meeting, the E&GG Committee discusses becoming a section of the SEG in order to enhance the status of near-surface geophysics and increase its flexibility to respond to the needs of its membership and the community. Don Steeples coordinates the effort to write a set of founding documents.

1992 – The E&GG Committee approves the draft charter and authorizes Don Steeples to submit the charter to the SEG Executive Committee.

1993 – On May 3, “the SEG Executive Committee approves the formation of the Near-Surface Geophysics Section (NSG). The action [is] taken in response to a petition put together by members of SEG’s Environmental Engineering and Groundwater Geophysics Committee, Mining and Geothermal Committee, and Gravity and Magnetics Committee. The NSG is the first SEG Section based on disciplinary interest, a concept provided for in the Constitution and Bylaws. It will work within SEG’s existing structure whenever possible, but will have the flexibility to quickly follow appropriate new directions when necessary to serve the needs of the growing near-surface geophysics community” (excerpted from *The Near-Surface Geophysics Section* by D. Steeples, The Leading Edge, Volume 12, Issue 9, September 1993).

The official NSG Section mission: to promote the rigorous practice of the science of shallow-earth geophysics including mining, engineering, environmental and groundwater applications; to represent that science to the public, governmental and other regulatory bodies; to encourage fellowship and cooperation among those persons interested in related geophysical methods and problems; to support the mutual economic, professional and educational interests of such persons; and to foster the development of programs and activities that relate to those interests.

The first NSG Section executive committee consists of Don Steeples as President, Ben Sturnberg as President-Elect, Bill Jones as Vice President, Phil Romig as Treasurer, Dwain Butler as Newsletter Editor, and Rick Miller as Secretary. The section’s first membership business meeting occurs later that year at the SEG annual meeting in Washington, D.C. along with two NSG oral sessions.
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1994 – Membership in the NSG Section peaks to over 700 members, second only to the Houston Geophysical Section. Over the coming years the section remains the second largest in the SEG, with the membership stabilizing at a baseline count of ~400 members, increasing steadily each year with the influx of new students.

The number of NSG sessions at the SEG annual meeting increases to three (all oral), and peaks in 2002 with nine (four oral plus five poster). In the 15 years since its formation, the NSG total session count per annual meeting has averaged 4.5.

1995 – The NSG Section bestows the first of their annual awards to recognize excellence in near-surface geophysics: the Frank Frishknecht Award and the Harold Mooney Award.

1997 – A special issue on “Near-Surface Geophysics” is published as the November issue of The Leading Edge.

1998 – A special issue on “Shallow Seismic Reflection” is published as the July/August issue of Geophysics.

1999 – Special sections on “Engineering Geophysics” and “Geophysics in Japan” are published in the December issue of The Leading Edge.

2001 – The SEG Executive Committee offers the NSG Section host duties of the SEG annual meeting in Salt Lake City, Utah. As host, the NSG Section raises the awareness of the general SEG membership on the importance of geophysical studies for understanding the near-surface. In addition, the NSG Section accounts are bolstered by the funds provided to the host section by SEG, favorably positioning the NSG Section for future growth, including expanded student support.

2002 – A special issue on “Geophysics and the Environment”, with Rosemary Knight making the statement on the President’s Page, is published as the January issue of The Leading Edge. A special issue on “Near-Surface Geophysics” is published as the May issue of The Leading Edge. A special section on “Geohazards” is published in the July issue of The Leading Edge.

2003 – A special issue on “Mining Geophysics” is published as the June issue of The Leading Edge.

2004 – A special section on “Near-surface Problems and Solutions” is published in the July issue of The Leading Edge.


2006 – The year of Hydrogeophysics: a special section on “Hydrogeophysics” is published in the June issue of The Leading Edge and a multi-day workshop sponsored by the SEG Research Committee takes place in Vancouver, Canada, to explore the science of geophysics as related to the exploration, development, remediation, storage, and monitoring of water resources.

The original NSG Section website (http://nsgs.seg.org) is completely over-hauled and expanded with significantly more pages of news, images, listings, resources, and references.
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2008 – The 15th year anniversary of the NSG Section. Since its inception, the field of near-surface geophysics has grown considerably with particular current application interests in the fields of hydrology, environmental, military/surveillance, mining, and petroleum. Over the past 5 years, the section executive committees have been comprised of volunteers serving multiple years providing consistency and a foundation for developing and implementing new programs to support the dynamic and wide range of NSG applications. Six new NSG Section Standing Committees are developed: Advisory, Membership, Public Relations, Inter-Section Liaison, Honors and Awards, and Publications, served by existing executive committee members as well as general members. The section newsletter, Near-Surface Views, is approved to move from a hard copy format delivered via post to an electronic version delivered more widely and cost-effectively via email.

Relationships with fellow near-surface geophysics societies (EEGS, EAGE, AGU NSG Focus Group) are integral and strong. Through pursuit by Leon Thomsen, 2007 SEG President, and Ted Bakamjian, SEG Director of Publications, the EEGS Journal of Environmental and Engineering Geophysics (JEEG) is included in the SEG Digital Library. A joint effort between the EAGE and SEG (pursued by Louise Pellerin, SEG Second Vice President) leads to a special publication of Near-Surface Geophysics on “Hydrogeophysics”.

NSG paper submittals to the SEG annual meeting increase each year, highlighted by special sessions and forums. In particular, the 2008 SEG Forum has an NSG focus (“Managing our Groundwater Resources for the Future”) for the first time in its history in honor of the NSG Section’s 15th year anniversary.

Do you have any memories to add to our timeline? Contributions are welcome; please email your comments to deb@geometrics.com.

Thank you to Don Steeples, and Mandi Duckworth and Elise Cunningham of the SEG for their research assistance.
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Page 8 of 24
Committee Updates

Advisory Committee
Chair: Partha Routh

The advisory committee currently has 6 members: Louise Pellerin, Ralph Bridle, John Bradford, Jonathan Ajo-Franklin, Roelof Versteeg, and Partha Routh. Wendy Wempe will be join the committee next year. We have developed a working document of the differentiators between NSGS, AGU-NS, EEGS and EAGE.

Membership Committee
Chair: Wendy Wempe

We encouraged the Honors and Awards Committee to select candidates for NSGS Honorary Life Membership. We also solicited membership from the NSG community and plan to solicit membership at NSGS organized events at SEG 2008 International Convention. With the start of a new school year, we are reviewing the status of our student memberships.

Public Relations Committee
Chair: Robert Jacob

The Public Relation committee of the NSGS is open for volunteers who wish to serve on this committee. An early task for this committee is to recommend a strategy that will increase awareness of the section in public sectors.

Inter-Section Liaison Committee
Chair: Partha Routh

The group currently has 4 members: Louise Pellerin, John Lane, George Tsoflias and Partha Routh. Invitation to one member is pending. Our first initiative is to hold a small meeting during SEG in Las Vegas with current members to discuss broadly the cooperation with other near surface societies.

Honors and Awards Committee
Chair: Larry Bentley

Members currently include Larry Bentley and Tom Dobecki. We awarded two student travel grants to the SEG convention (see page 21). Nominees for the student travel grants, Harold Mooney Award and Frank Frishknecht Award are presented to the NSGS executive committee for vote. NSGS members interested in serving on the committee please contact Larry Bentley.
SEG’s Near Surface Geophysics (NSG) Section proudly celebrates 15 years of excellence in near-surface geophysics this year. Our committed NSG members are among the most innovative in their field, continuing to develop new theories, processes, and technologies to serve the needs of the groundwater, hazardous waste, engineering, mining, geothermal, archeological, and geohazards communities. The SEG-NSG Section is strong and becoming even stronger, especially with the growing demands for better characterization of limited, near-surface natural resources.

SEG was an ideal incubator for the origin of a NSG community fifteen years ago and continues to play an integral role in the whole NSG community, beyond the section. SEG and the SEG-NSG Section are reaching out to the geophysics community to create better ties with sister societies so that we can work together to strengthen the community as a whole, making the most of each society’s differentiating strengths.

The SEG-NSG Section’s executive committee has been working diligently to continue to open opportunities to our members and foster the continued growth of the NSG industry and community. This year the SEG-NSG executive committee and newly-formed standing committees focused on accomplishing the following initiatives:

- Identify and develop new opportunities for publishing
- Evaluate the SEG-NSG Section’s future direction
- Develop and evaluate honor and award opportunities
- Strengthen ties with other NSG communities
- Increase membership
- Spread the word about the SEG-NSG Section mission

We are the community that we are because of the dedication of our members. I’d like to personally thank all of you who have contributed your valuable time and novel ideas to the SEG-NSG Section, including those of you who have served as members of the SEG-NSG Section executive and standing committees, NSG abstract reviewers and moderators for the SEG International Convention, SEG-NSG publication reviewers, and members the SEG executive and standing committees. You have all contributed to Near Surface Geophysics history.

Serving you and working with such an exceptional team has been a great pleasure. Thank you.

Wendy Wempe
President, Near-Surface Geophysics Section of SEG
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SEG Las Vegas 2008 Convention Highlights

Executives Forum—Managing our Groundwater Resources for the Future

Monday, Nov. 10th
Our distinguished panel will discuss the role of geophysics in groundwater resource management and the increasing importance of this vital resource. The forum will be moderated by Sheldon Breiner, CEO and chairman of 3DGeo. Panel members are:

- Ken Albright, Director, Groundwater Resources Department, Southern Nevada Water Authority
- Rodney Smith, President, Strategic Water Management
- Rosemary Knight, Professor, Department of Geophysics, Stanford University; and Senior Fellow, Woods Institute for the Environment
- David White, President, Schlumberger Water and Carbon Services

Special Session—Hydrogeophysics in Practice

Monday, Nov. 10th
1:30 PM  Understanding the relationship between audiomagnetotelluric data and models, and borehole data in a hydrological environment  Darcy K. McPhee, U.S. Geological Survey; Louise Pellerin, Green Engineering
1:55 PM  Integrated use of geophysics, drillings, logs, and geochemistry in large-scale groundwater mapping  Verner H. Søndergaard, Geological Survey of Denmark and Greenland; Esben Auken, U of Aarhus
2:20 PM  The application of latest borehole geophysical technologies for the feasibility and pilot testing ASR  Ibrahim Shawky, Schlumberger
2:45 PM  Characterization of the Lower Quebrada de Oro, Mayagüez aquifer system using surface geophysical techniques  Deborah T. Abrams Rivera, U of Puerto Rico
3:10 PM  Mapping the nitrate plume at Hanford’s BC Cribs with electrical resistivity  Dale F. Rucker, hydroGeophysics
3:35 PM  Site characterization for groundwater using controlled-source electromagnetics  C. R. Miller, MSE Technology Applications, and P. S. Routh, Conoco Phillips (both formerly at Boise State U); T. Brosten and P. Donaldson, Boise State U
4:00 PM  A multiscale stratigraphic analysis of shallow unconsolidated sediments: A new approach for hydrogeophysical characterization in heterogeneous environments for contaminant remediation  Antonio E. Cameron-Gonzalez, Camelia Knapp, and Adrian Addison, U of South Carolina; Michael Waddell, Earth Sciences and Resources Inst
4:25 PM  Geophysical and geochemical attenuated signatures associated with hydrocarbon contaminated site undergoing bioremediation  V. Che-Alota, E. Atekwana, and E. Atekwana, Oklahoma State U; W. A. Sauck and S. Rossbach, Western Michigan U; C. Davis, U of Missouri; J. Nolan and L. Slater, Rutgers U; D. Werkema, U.S. EPA
### Special Session—Site Characterization and Geophysical Monitoring for CO₂ Storage

**Wednesday, Nov. 12th**

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<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>1:30 PM</td>
<td>Multiphase flow of CO₂ and brine in saline aquifers</td>
<td>Sally M. Benson, Stanford</td>
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<tr>
<td>1:55 PM</td>
<td>Seismic monitoring of CO₂ geosequestration: Realistic capabilities and limitations</td>
<td>D. Lumley, D. Adams, R. Wright, D. Markus, and S. Cole, 4th Wave Imaging</td>
</tr>
<tr>
<td>2:20 PM</td>
<td>Geophysical monitoring in the IEA GHG Weyburn-Midale CO₂ monitoring and storage</td>
<td>D.J. White, Geological Survey of Canada</td>
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<tr>
<td>2:45 PM</td>
<td>Thief zone identification through seismic monitoring of a CO₂ flood, Weyburn Field, Saskatchewan</td>
<td>Alexandre W. Araman*, Matthew Hoffman, and Thomas L. Davis, Colorado School of Mines</td>
</tr>
<tr>
<td>3:10 PM</td>
<td>Integration of 3D seismic with satellite imagery at In Salah CO₂ Sequestration Project, Algeria</td>
<td>S. Raikes, A. Mathieson, and D. Roberts, BP Alternative Energy, P. Ringrose, StatoilHydro</td>
</tr>
<tr>
<td>3:35 PM</td>
<td>Application of geophysical monitoring within the Otway Project SE Australia</td>
<td>M. Urosevic and A. Kepic, Curtin U; D. Sherlock, Chevron (formerly at CSIRO); T. Daley and B. Freifeld, LBNL; S. Sharma, CO2CRC; K. Dodds, BP AlternativeEnergy</td>
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<tr>
<td>4:00 PM</td>
<td>Integration of crosswell CASSM (continuous active source seismic monitoring) and flow modeling for imaging of a CO₂ plume in a brine aquifer</td>
<td>Thomas M. Daley*, Jonathan B. Ajo-Franklin, and Christine Doughty, Lawrence Berkeley Nat'l Lab</td>
</tr>
<tr>
<td>4:25 PM</td>
<td>The effects of geomechanical deformation on seismic monitoring of CO₂ sequestration</td>
<td>J. P. Verdon, D. A. Angus, and J.-M. Kendall, U of Bristol; J. Segura, S. Skachkov, and Q. J. Fisher, U of Leeds</td>
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### Special Session—Near Real-time UXO Discrimination

**Thursday, Nov. 13th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
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<tr>
<td>8:30 AM</td>
<td>Initiatives in advanced geophysical analysis for munitions response at ESTCP and SERDP</td>
<td>Anne Andrews, Office of the Secretary of Defense (U.S.) Strategic Environmental R&amp;D Program</td>
</tr>
<tr>
<td>8:55 AM</td>
<td>Geophysical detection and discrimination for UXO remediation</td>
<td>G. H. Ware, H. A. Ware, W. F. Tompkins, Geophysical Assoc; D. A. Smith, Zapata Blackhawk</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>UXO discrimination using a multiple-component AEM system</td>
<td>E. Gasperikova, J. T. Smith, H.F. Morrison, A. Becker, and K. Kappler, Lawrence Berkeley Nat'l Lab</td>
</tr>
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The submission deadline for the next issue is November 30th, 2008.

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Special Session—Near Real-time UXO Discrimination (continued)

10:10 AM  An assessment of three dipole-based programs for estimating UXO target parameters with induction EM
D.D. Snyder, Snyder Geoscience; D.C. George, G&G Sciences; S. C. MacInnes, Zonge Engineering; J. T. Smith, Lawrence Berkeley Lab

10:35 AM  EMI array for cued UXO discrimination
T. Bell, SAIC; H. Nelson, Naval Research Lab; D. George, G&G Sciences; J. Kingdon and D. Keiswetter, SAIC

11:00 AM  Identification of unexploded ordnance from clutter using neural networks
Anna Szidarovszky, Zonge Engineering; Mary Poulton, U of Arizona; Scott MacInnes, Zonge

11:25 AM  Digital geophysical mapping using an autonomous robot
Jim Hild, Zapata Blackhawk

Technical Luncheon—NSG Section Luncheon and 15th Anniversary Celebration

Tuesday, Nov. 11th, 11:30 a.m. - 1:30 p.m. Cost: US$54
Mandalay Bay Convention Center, Mandalay Bay Ballroom I
Organizer: Deborah Underwood
Speaker and Topic: Don Steeles; NSG: How did we get here and where are we going? Sheldon Breiner; Geophysics Uncovers the Past
(see their biographies on pages 19 and 20)
Non-members are welcome to attend and join the NSGS on the spot. The first 20 students to arrive at the luncheon are eligible to have their event ticket cost reimbursed.

Technical Luncheon—Gravity and Magnetics Luncheon

Tuesday, Nov. 11th, 11:30 a.m. - 1:30 p.m. Cost: US$55
Organizer: Rao Yalamanchili
Speaker and Topic: Richard Ernst; Large Igneous Provinces and Continental Breakup: New Tools for Paleogeographic Reconstruction and Hydrocarbon / Mineral Exploration

Technical Luncheon—Mining and Geothermal Luncheon

Wednesday, Nov. 12th, 11:30 a.m. - 1:30 p.m. Cost: US$55
Organizer: Michael Zang
Speaker and Topic: Clyde Harrison, President and Director of Brookshire Raw Materials Management LLC; Raw Materials Bull Market – A Bubble or a Beginning

NSG Business Meeting

Tuesday, Nov. 11th, 4 - 6 p.m.
Mandalay Bay Convention Center, Jasmine C
All NSG members are encouraged to come and to join some of our committees.
SEG Las Vegas 2008 Convention Highlights (continued)

Workshop-- Induced Polarization: Research and Recent Advances in Near Surface Applications

EEGS-NSGS Workshop, Friday, Nov. 14th
Scientists and engineers will come together to share research and application of induced polarization (IP) to near-surface applications including environmental, hydrological, and engineering applications such as infrastructure assessment. The workshop will begin with a short historical/tutorial discussion of IP, followed by technical sessions on

1) Recent Research in IP Data Acquisition
2) Rock Properties, Theory and Laboratory Studies of IP
3) Inverse Modeling and Imaging of IP Data
4) Near Surface Applications of IP

and concludes with a discussion and summary.

Workshop—Mentoring Geophysicists in the Mining Industry

Thursday, Nov. 13th
Panelists will relate some anecdotes about how they were attracted into the industry; what sustained them through their early years; and describe how someone acted (or perhaps did not act) as a mentor to them. Suggestions for what a recent recruit requires will also be discussed. Input from the floor will also be encouraged. The workshop will also include a discussion about what we as individuals can do to help the situation.

Workshop—Gravity in Motion

Thursday, Nov. 13th
This workshop will focus on all aspects of moving platform (satellite, airborne, marine, borehole) high-resolution potential field measurements and on their integrated interpretation. The workshop will cover a broad subject area ranging from an analysis of noise in current state-of-the-art instrumentation, of the processing of real data, and of case studies involving the interpretation and integration of real processed data.

Short Course—Near-Surface Seismology in 2-D

Saturday, Nov. 8th to Sunday Nov. 9th
Meeting registration not required
Instructor: Gregory S. Baker
This pre-meeting workshop will explore practical aspects—acquisition, processing, interpretation—of near-surface seismic reflection, refraction, and surface wave methods. This is open to anyone interested in learning more about near-surface seismic techniques.
Final day for registration is October 22nd. For more information, go to http://www.seg.org and look under “Education”.
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SEG Las Vegas 2008 Convention Highlights:
NSG Section Luncheon Featured Biographies

Sheldon Breiner, Chairman and CEO of 3DGeo

Sheldon’s geophysical career has spanned a variety of business and research areas with over 50 research papers to his name. He is well known for his work with magnetometry. Among many successful business ventures, Sheldon was the founder and president of the well known Geometrics, Inc. He also developed the first gun detector for security screenings using a differential magnetometer. Recent research interests have found him in many parts of the world such as South and Central America using magnetometers for archaeological prospection both on and offshore.

Another geophysics surveying invention? A young Sheldon performing magnetometer surveying for colossal Olmec heads in Mexico using non-magnetic, sustainable 1 HP platform.

Sheldon performing a magnetic survey at Laguna de los Cerros, an Olmec site in tropical lowlands of Southern Mexico.
Don Steeples, McGee Distinguished Professor at the University of Kansas

Don Steeples is McGee Distinguished Professor of Geophysics and Senior Vice Provost at The University of Kansas (KU). He was at the Kansas Geological Survey from 1975 until 1992, serving in various positions including Associate Director for Research and as Deputy Director. Since 1977, he has specialized in shallow high-resolution seismic imaging, an area in which he has practical experience in more than 20 states and several foreign countries. He served the Society of Exploration Geophysicists as elected Editor of *Geophysics* in 1989-91. He has done consulting for more than 50 companies and government agencies. With his brother, he operates a 1900-acre wheat farm at Palco, Kansas.

Don and his wife Tammy in their non-academic roles as Kansas wheat farmers.

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**Student News**

**SEG Las Vegas Student Events**

**Challenge Bowl Finals**

Monday, Nov. 10th, 3-6 p.m.
Come and cheer on your fellow students as they compete in the ultimate geosciences quiz. You may also learn a few things while sitting in the audience!

**Student Networking and Happy Hour**

Monday, Nov. 10th, 6 – 8 p.m.
A perfect way to end the day after watching the Challenge Bowl. Come and mingle with fellow students and industry recruiters and perhaps debate the answers to a few of the Challenge Bowl questions.

**Student Travel Grants Awarded**

Our congratulations go to the 2008 NSGS Student Travel Grant recipients:

Ahamefuola U. Utom, Ebonyi State University, Nigeria
Che-Alota Vekenkeng, Oklahoma State University, USA

We look forward to seeing you and your presentations in Las Vegas!

**Geoscientists Without Borders**

Keep checking the GWB website (http://www.seg.org/gwb) for news on the program and new proposal submittal dates. This year the two calls for proposals were both in the fall, but the program intends to have a spring and fall funding round. The second call deadline was Oct. 2nd, and the announcement of the winners of the first round of grants should come within the next few months.

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Near-Surface Geophysics Section of the SEG

Membership Application

The Near-Surface Geophysics (NSG) Section of the Society of Exploration Geophysicists is a professional organization chartered by the SEG to promote the rigorous practice of the science of shallow-earth geophysics. You may read about the origin and goals of the section at http://edge-online.org/pdf/tle1209r0922.pdf and http://nsgs.seg.org/

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- Active Membership $15.00 Includes quarterly newsletter
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Expertise (check all that apply)

- Borehole geophysics
- Electrical
- Electromagnetics
- Gravity
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- Other _______________________

I am currently a member of the SEG: _____YES or _____NO. SEG membership is NOT required to join the NSG Section. Note that student SEG membership is free through the Corporate Sponsorship Program. Go to http://www.seg.org, Membership Services, to learn more. If you are not a member of SEG, provide two NSG Section or SEG sponsors or attach a current resume.

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