



Geology & Society Division

Newsletter

Summer/Fall, 2007

Geology & Society Division

Geology Working for Society

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Greetings from the Chair

Over a delightfully warm and sunny March weekend, I had the distinct opportunity to represent our Division at the annual Division Chairs meeting at GSA HQ in Boulder. Division Chair meetings started when Gail Ashley was GSA President in 1999 and almost, if not all GSA Divisions were represented. I learned a great deal there about the various Divisions, most notably that less than 50% of GSA members join any Division at all! The G&S Division is very new as many Divisions go: the Archaeology Division and History of Geology Division are celebrating their 30th anniversary this year, the Geophysics Division their 35th, and the Engineering Division their 60th! However as a Division that could conceivably have every member of GSA in its membership, we were one of the first to be in this cross-cutting situation.

Although the numbers were incomplete at that time, our fairly new Division was doing very well in membership numbers and growth, as one of the 17 Divisions of GSA. One of the most significant facts I learned was that almost 1/3 of our membership is students, and a significant number of our members are part of the senior set. Quite a diverse group! Because of the number of students, our Management Board would like to highlight a segment for them in our Newsletter (see 2 articles on pages 7-10). Perhaps the seniors could also tell us what we can do for them? As a Division that cross-cuts all disciplines, wants, and needs could be very interesting.

Part of our outreach as a Division was to have a “presence” at as many Section meetings as possible. Therefore, the Northeast, Southeast and North-Central Sections, at least, were covered by the Management Board members. Mindful of the diversity mentioned above, the Board members who staffed the G&S Division booths asked those who dropped by what the Division could do for them, and what they needed as well. One thing that I learned was that students wanted to know if there were any jobs for “policy-inclusive” geologists. I had the chance to tell them that I did considerable policy work in my coastal zone management job at NJDEP: implementing coastal regulations, writing many of them myself, and acting as an expert witness to uphold them. We will try to highlight student opportunities as we learn of them in our newsletter (see article on page 7).

Based on the success of these Section meetings, we are discussing the possibility of developing active groups of G&S members in each Section that could actually staff booths at Section meetings as well as provide a conduit of ideas, future officers, and outreach efforts throughout the country. Marilyn Suiter, as incoming Chair, will run with this idea, especially now that the Director for the Washington office has just been chosen (see page 5), and there are many opportunities for the membership of G&S to help implement ideas and various projects with the Geology and Public Policy Committee (GPPC), and the Washington Office. This is an exciting development for all of us. As part of this relationship, the Division has chosen their first official representative to the GPPC (see next article on page 2). To further this upcoming relationship, our G&S booth will be side by side with the GPPC’s booth at the Annual Meeting...join us at booth 141 over at “NSF Boulevard” in Denver.

Speaking of exciting...the Geology & Society Division had a great opportunity to co-sponsor many Sessions at the upcoming GSA meeting in October. Now that the final schedule has been set, it appears that 34 sessions will be co-sponsored by G&S. Many session conveners actually listed public policy in their main headings, which was a huge increase from previous years, and was an invitation for us to offer co-

sponsorship. And we were glad to do it since those sessions promised to offer a public policy bent. We list all of those sessions for you on page 11 of this Newsletter so that you will have the list before you during the Annual Meeting in October. There is one downside to this number of co-sponsored sessions ...we’re deciding how to manage our Student Best Paper judging!

And stand by for an exciting development for our Distinguished Lecture Series at upcoming GSA...we’re still working on it, and will let you know shortly.

As you see, elections have been concluded and the incoming new officers have been announced (see article on page 3). We congratulate the successful candidates and thank mightily all those willing to run for election, and hope they will continue their interest in the Division and consider running again. This also means that the second of our “founding fathers,” Tom Evans, Charter Secretary-Treasurer, will be rotating off of the Management Board after October. We all want to acknowledge his foresight, dedication, and attention in founding our Division. Together with John Kiefer, who rotated off of the Board last year, we thank you, gentlemen! We raise our glasses to you and pledge that we will continue your dedication in growing your “baby.”

Sue Halsey, Chair

G&S Division Welcomes Rex Buchanan as their Formal Representative to GSA’s Geology & Public Policy Committee

GSA’s Geology & Public Policy Committee (GPPC) voted to extend their membership to include a formal representative from the Geology & Society Division. In compliance with this request, the Division has appointed Rex Buchanan, Associate Director for Public Outreach, from the Kansas Geological Survey (KGS) to serve in this



capacity. Rex is a long-time member of GSA, and a member of the G&S Division.

Rex's position at the KGS has involved considerable public policy work, including: (1) interaction with the Kansas Legislature; (2) representing the Kansas Survey during twice-annual visits of the American Association of State Geologists to Washington, D.C. agencies, organizations, and Congressional offices; and (3) helping coordinate the KGS annual field conference for decision-makers. This latter event is a three-day trip aimed at legislators, state agency heads, business leaders, and others. Rex also has a courtesy appointment at the University of Kansas School of Journalism and Mass Communications, where he teaches science writing. He has edited, authored, and co-authored several books, including *Roadside Kansas: A Guide to Its Geology and Landmarks* (University Press of Kansas), and he also does regular commentaries for Kansas Public Radio.

G&S Division Welcomes Newest Officers

The G&S Division congratulates its two newly elected officers – Jon Goodwin, who will be Secretary-Treasurer and Jim Davis, who will be 2nd Vice-Chair. They will assume their positions following the G&S Business Meeting that will be conducted at the Annual Meeting in Denver. Jon succeeds the present Secretary-Treasurer Tom Evans and Jim succeeds the present 2nd Vice-Chair Karen McCurdy.

Jon Goodwin is a low-temperature geochemist, carbonate petrologist, and sedimentologist. He received his Ph.D. from the University of Wyoming where he also served as an Assistant Professor. He joined the Illinois State Geological Survey in 1976 and is currently a Principal Geologist and Assistant to the Chief for Strategy and Planning. In his Statement of Interest, Jon mentions that “*I believe the*



many administrative duties I have fulfilled during my career have prepared me well for the duties of Secretary-Treasurer of the Geology and Society Division. It is clear that the public's attitudes toward the science of geology, and science in general, are changing in both good and bad ways. I look forward to assisting the Division's members and officers as we strive to educate officials and the public about the contributions geology has made and can make in meeting today's environmental challenges.”

Jim Davis' specialty is geology in public policy decision-making, geologic hazards, and economic geology. He received his Ph.D. from the University of Wisconsin-Madison. He worked with the New York State Geological Survey from 1961-1978 and served as their State Geologist from 1968-78. He then



served as Chief of the California Geological Survey until 2003 and concurrently and presently is the President of the Consortium of Strong-Motion Observation Systems. In Jim's Statement of Interest he says, “*More successful conveyance of geologic information in decision making is vital to improve environmental stewardship, reduce societal risk from natural hazards, and avoid imprudent depletion of nonrenewable resources. I am committed to improving such communication and the resulting policy and decision outcomes. By collaborating with other GSA members and geoscientists, with those in relevant science and technology disciplines, and with social scientists (re: motivation and decision-making processes), I believe we can improve outcomes. The G&S Division can foster such efforts through forums and workshops that bring these groups together to identify opportunities, strategies, and methods that will support more effective future science input to public policies and decisions. As G&S 2nd Vice-Chair, I will join with others to advance those efforts.”* Both Jon and Jim have been very active in GSA over the years and we wish them luck in their new positions.

G&S Division Turnout for Management Board Voting

The Geology & Society Division gives a big thank you to the 31.3% of G&S' membership for voting in this year's Management Board elections. This is a big turnout, perhaps reflecting the first year that all Division members, including undergraduate students and affiliates, were eligible to vote. We also thank our other candidates - Ken Kuehn, Mike Roden, Dave Harmon, and Sandra Wyld - for agreeing to run for these managerial offices. It is quite obvious that the Division has many viable candidates and a participant membership.

Critical Issues Caucus, AAAS, and Success

At the 2007 Annual Meeting of the American Association for the Advancement of Science (AAAS) in San Francisco in February 2007, the Geology & Society's Critical Issues Caucus (CIC) conducted a symposium titled "*The Science and Ethics of a Culture of Sustainability*". The session was scheduled for the last half-day of the annual meeting, which pretty much guaranteed many empty seats – right? But when it's an all invited speakers symposium and one of the speakers was due to return from New Delhi only a day earlier, the session organizers could only request the "anchor" time slot. However, to the surprise of the CIC organizers, instead of many empty seats, during the first two hours of a three-hour session, there was standing room only. The session moderator saw individuals standing tirelessly at the back of the room for at least two hours. In addition, after the formal end-of-session discussion period and after the moderator had thanked a still nearly full house for attending, the discussion continued informally. So despite what looked like an unpromising time slot for the symposium, the session turned out to be very successful.

Is there a message in this? Perhaps it's that scientists really do care a lot about the impact of their science and the long-term success of the society it is intended to serve. The CIC organizers thought that they knew

that anyway, but Annual Meeting planners – take note!

Paul Reitan, CIC

GSA's National Leadership Initiative Promotes Strong Interactions with the G&S Division

In early March, 2007 a GSA ad hoc committee developed an implementation plan to launch a [National Leadership Initiative](#) (NLI). According to this document, "*The National Leadership Initiative (NLI) represents the Geological Society of America (GSA) and its members on public policy issues and activities, including federal support for the geosciences and the use of science in the decision-making process. The NLI works cooperatively with other societies to meet goals and objectives that reflect those of the GSA community. The NLI should be an advocate for and a liaison between the GSA community and Congress, the White House, and federal agencies... Whereas the NLI is charged to focus on the national level, the information and education provided to the GSA community will facilitate members' efforts on regional and local issues, including those dealing with state governments and the private sector.*"

A large component of the NLI is the establishment of a Washington, DC-based GSA office with a full-time Director. The initial task of the Director will be to survey the Washington, D.C. public policy-related landscape and then set priorities based on activities that are most important for GSA to pursue. The report further states that "*The initial goals of the NLI focus on capacity building within GSA and can be grouped into four activities... 1) public policy issues, 2) communication and working with the GSA community, 3) science funding, and 4) science in the decision-making process.*"

To fully implement this program, the G&S Division is prominently mentioned 14 times in the report, and is directly tasked, along with GSA's Geology & Public Committee (GPPC) with several very important items. As stated in the NLI mission statement,

“ the NLI coordinates with and supports the GPPC, the G&S Division and other divisions, and the sections to engage GSA’s members in public policy.” With particular reference to the G&S Division, the NLI Director will interact regularly with the Division as he/she extends the reach of the Division’s fundamental role of explaining the relevance of science directly to decision makers and significantly improves the effectiveness of this member-driven effort. Specific roles and involvement of the G&S Division (as well as the GPPC) with the NLI are as follows:

- The NLI Director will, in the first year, prepare a plan with the G&S Division to establish a program or process for educating and preparing GSA members to participate in public policy activities.
- The NLI will work with the G&S Division to provide member workshops at section and national meetings.
- The NLI will work with the G&S Division to identify speakers for policy sessions at section and national meetings
- It is expected that science and society issues will be brought to the attention of the NLI particularly through the G&S Division. Issues should be those that bring together GSA members, such that they will work with the NLI in pursuing them.
- The NLI, as one of its first tasks, will produce a *Priorities Report* that will establish an initial set of priorities, and it will be issued and vetted especially to the G&S Division.
- The NLI will collaborate with the G&S Division to develop congressional information packages.
- The NLI Director will work with the G&S Division to establish a more direct involvement with Members of Congress and their staffs in GSA activities. There is potential for using section and national meetings to engage Members of Congress and their staff via speaking engagements and invitations to attend field trips.

- The NLI will engage groups and individuals from the G&S Division and elsewhere to participate in Washington-based activities. This will be a long-term, concerted effort.

Dick Berg

GSA Announces New NLI Director - Craig Schiffries

Dr. Craig M. Schiffries has accepted GSA’s offer to become their Director for Geoscience Policy at a new GSA Washington, DC office beginning in early September 2007.

Craig has more than 17 years of public policy experience including: GSA’s Congressional Science Fellow, AGI’s Director of Government Affairs, National Academy of Science/National Research Council’s Director of the Board on Earth Sciences and Resources, and National Council for Science and the Environment’s Director of Science Policy.

The G&S Division, considering its specific roles and involvement with the NLI initiative, looks forward to working with Craig for the benefit of GSA members and the geological community.

Earthquake Insight Field Trip Through the New Madrid Seismic Zone

On May 31 – June 1, 2007 Phyllis Steckel, RG, led an *Earthquake Insight Field Trip* from Memphis, TN through the heart of the New Madrid seismic zone. The group included more than 30 participants, mostly mid- to high-level business executives from the insurance, energy, and retail sectors. State Farm, Time-Warner, Swiss Re, Wal-Mart, MetLife, Enbridge, and several other Fortune-500 firms were represented.

The purpose of the *Earthquake Insight Field Trips* was to deliver practical information about central U.S. earthquake hazards and earthquake risks to leaders in the private sector, who have both the vision and the

authority to make changes in industry practice. This will hopefully eventually lead to more effective building codes, land-use planning, and business continuity standards.

The field trip was specifically designed for a 'business executive' audience – short, useful, fast-paced, non-technical, credible, networking-friendly, as well as fun.

There were about a dozen geoscientists, engineers, and emergency planners from the central U.S. who gave presentations to the group along the way and at more than 10 stops. The stops included sites that showed geologic evidence of past New Madrid earthquakes; engineered efforts to reduce earthquake risk; and high-risk exposures due to site conditions, infrastructure inter-dependency, and secondary effects of earthquake hazards. One of the presenters at several stops in Kentucky was John Kiefer of the Kentucky Geological Survey and former chair of the G&S Division.

The overall value of the field trip was leveraged through press releases issued to local television and radio stations, as well as newspapers before the group arrived at the various stops. News reporters from various print and broadcast media met the group along the route for video footage, photos, interviews, and news bytes. This added to the 'glamour' of the event for the participants.

The *Earthquake Insight Field Trip* was subsidized by the U.S. Geological Survey; a similar event was held in the spring of 2005. Now plans have been made for a similar, annual, two-day field trip starting and ending in Memphis each spring. Another similar, annual, one-day field trip will start and end in St. Louis each fall. Therefore, the next *Earthquake Insight Field Trip* will be held on Friday, October 12, 2007 in St. Louis. Phyllis Steckel will work with geologists from the Illinois State Geological Survey to develop and host this event, as this route will include several stops in southern Illinois.

It is hoped that the *Earthquake Insight Field Trip* can be used as a model for other areas of the country having high earthquake risk that is generally unrecognized – such as in

Charleston, SC; Salt Lake City; Las Vegas; Portland, OR; and Seattle.

For more information, please contact Phyllis Steckel at psteckel@charter.net or call her at 636-239-4013.

Who Will Do Science? AAAS Symposium Report

There have been a number of national initiatives considered that target increased employment success in recruitment and work-force retention and increased competitiveness of U.S. science and technology. One of the challenges for industry, if it is to operate effectively in the increasingly global marketplace, is successful workforce recruitment. The full and equitable participation of qualified Americans (as well as non-U.S.) seems a necessary requirement. For improved responses to natural hazards and for effective disaster management, it is an essential requirement that the workforce should have a competent science and engineering background. Finally, Earth literacy is necessary for the well-being of a productive society. To achieve these goals, the barriers to achieving that workforce must be identified and eradicated.

At the AAAS 2007 San Francisco meeting in February, a half-day symposium titled, "*Achieving and Sustaining a Diverse Science Work Force*," brought together a number of leaders to provide examples of successful methods, programs, and collaborations that lead to workforce-ready graduates. Issues addressed were:

- How do science and engineering faculty impact undergraduate persistence and degree attainment and the increased entry of underrepresented minorities into science and engineering doctoral programs?
- What knowledge and skills are needed to achieve successful longevity in the work force and what are the methods for helping students acquire those skills?

- What roles do hiring trends in industry play in shaping and developing the U.S. work force?

The session was organized by Marilyn Suiter, National Science Foundation, and Jere H. Lipps, University of California at Berkeley, and was sponsored by AAAS Section E (Geology and Geography).

The Statistical Research Center of the American Institute of Physics has several surveys on the physical science community. Roman Czujko, Director of the Center, provided detailed data on the representation of African Americans, Hispanic Americans, and Native Americans in chemistry, physics and the geosciences. A more focused perspective was provided by Jill L. Karsten, National Science Foundation, in her presentation, “*Broadening Participation in the Geosciences: A Decade of National Science Foundation Activities.*”

Perspectives from academia were provided by Angelica M. Stacy, Associate Vice Provost for Faculty Equity, and Professor of Chemistry, University of California, Berkeley, who discussed “*The Academic Policy and Leadership Role in Strengthening Excellence in Our Workplace,*” highlighting the Berkeley Diversity Initiative, among other UCB endeavors. Carlos G. Murillo Martinez, spoke on, “*Building Connections for Student Success in Higher Education: A Community College Model.*” He described the multi-faceted and successful student recruitment and retention initiative at Contra Costa College, a two-year college in San Pablo, California, where Martinez is Dean of the Division of Natural, Social and Applied Sciences.

Two presentations focused on specific sub-groups within the STEM community. Eric M. Riggs of Purdue University, discussed “*Culture and Science: Science Education for Native Americans,*” based in part on his work on geoscience curriculum development and outreach to American Indians, done with Steven Semken, Arizona State University. Mary Anne Holmes, University of Nebraska, and Suzanne O’Connell, Wesleyan University, provided a report on their multi-year study on “*Strategies to*

Improve the Retention of Women Science Professors” (a subsequent associated article was published in *Nature*, V. 446, 3/15/07, p. 346).

Additional economic sectors reflected in the symposium included industry and philanthropy. Michael G. Loudin, who is Manager of Global Geoscience Recruiting and New Hire Development for ExxonMobil Exploration Company, provided data and perspectives from the geoscience industry in his presentation, “*Managing a Global, Multicultural Work Force.*” Michael S. Teitelbaum, Vice President, Alfred P. Sloan Foundation, provided economic and philosophical frameworks of consideration in his presentation, “*Retaining Science and Engineering Students in Higher Education.*”

The session was concluded with an overview and commentary by the discussant, Claudia Alexander, Project Scientist and Manager, U.S. Rosetta Project, Jet Propulsion Laboratory, and co-organizer Jere Lipps. We hope to post session materials on a publicly accessible website for general reference, and anticipate additional publications on this topic, further exploring the processes that work to develop and retain a talented, diverse science and engineering work force, as well as to achieve improved sustainable well-being in diverse, many-cultured communities.

Submitted by Marilyn J. Suiter

Student Opportunities

Ford Foundation Fellowships

www.fordfound.org

In Education and Scholarship, we seek to increase educational access and quality for the disadvantaged, to educate new leaders and thinkers, and to foster knowledge and curriculum supportive of inclusion, development, and civic life. Grant making supports policy, research, and reform programs in both schools and higher education institutions around the world, with particular emphasis on enhancing the performance of educational systems through improving finance, access, accountability, and training. Scholarship is supported to

deepen understanding of such issues as gender, identity, pluralism and social change.

Geological Society of America (GSA)

www.geosociety.org

- GSA 2007 Annual Meeting, Denver, CO, October 28-31, 2007
<http://www.geosociety.org/meetings/2007/>
- Student Funding Opportunities -- Offset Meeting Costs
[<http://www.geosociety.org/meetings/2007/students.htm>]

Do you think there is no way you can afford the GSA meeting? **THINK AGAIN ...**

- Volunteer Opportunities
- Student Travel Grants
- Field Trip Scholarships
- Short Course Scholarships

The International Fellowships Program (IFP)

www.fordifp.net/

The Ford Foundation International Fellowships Program (IFP) provides opportunities for advanced study to exceptional individuals who will use this education to become leaders in their respective fields, furthering development in their own countries and greater economic and social justice worldwide. IFP is a program of the New York City-based International Fellowships Fund. The Fund (IFF) is an independently incorporated supporting organization of the Institute of International Education (IIE).

National Academies of Science – Fellowships Office of Policy and Global Affairs

www.nationalacademies.org/fellowships/

The Fellowship Office of PGA administers predoctoral, dissertation, and postdoctoral fellowship programs in research-based fields of study.

- ***Ford Foundation Diversity Fellowships for Achieving Excellence in College and University Teaching*** are designed to increase the diversity of the

nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Predoctoral Fellowships support study toward a Ph.D. or Sc.D.; Dissertation Fellowships offer support in the final year of writing the Ph.D. or Sc.D. thesis; Postdoctoral Fellowships offer one-year awards for Ph.D. recipients. Applicants must be U.S. citizens in research-based fields of study. The 2008 fellowships competition is currently scheduled to open in early September 2007.

- ***The Research Associateship Programs*** administer Postdoctoral (within 5 years of the doctorate) and Senior (normally 5 years or more beyond the doctorate) Research Awards sponsored by federal laboratories at over one hundred locations in the United States and overseas and are given for the purpose of conducting research in areas that are of interest to them and to the host laboratories and centers.
- ***Jefferson Science Fellows*** spend one year at the U.S. Department of State as advisers on science policy.

In the event that none of our fellowship programs are appropriate for you, we have identified other fellowship programs and lists to assist you in locating alternate funding sources for your advanced study.

NSF Graduate Research Fellowships

www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201&org=DGE&from=home

The National Science Foundation aims to ensure the vitality of the human resource base of science, technology, engineering, and mathematics in the United States and to reinforce its diversity by offering approximately 1,000 graduate fellowships in this competition. The Graduate Research Fellowship provides three years of support for graduate study leading to research-based

master's or doctoral degrees and is intended for students who are at the early stages of their graduate study. The Graduate Research Fellowship Program (GRFP) invests in graduate education for a cadre of diverse individuals who demonstrate their potential to successfully complete graduate degree programs in disciplines relevant to the mission of the National Science Foundation.

The Graduate Research Fellowship Operations Center is responsible for processing applications and responding to requests for information. For information and questions during the application process, please call the Center: Toll Free 866-NSF-GRFP (866-673-4737), International Phone 202-331-3542, E-mail: help@nsfgradfellows.org
www.fastlane.nsf.gov/grfp/

NSF Postdoctoral Fellowships

www.fastlane.nsf.gov/contacts/contact_others.jsp?page=4

This information area provides links to a variety of postdoctoral fellowship opportunities, including the International Research Fellowship Program, Science and Society (S&S), and East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI).

Student Corner - Notes on Communicating, Presenting, and Dressing

These notes to students were given orally to various students, once at an Association for Women Geologists NE section breakfast meeting, and again at a Shlemon Mentor luncheon at the NE Section meeting in New Hampshire. The main headings: Communication, Presentations, and Dressing recently have been listed in an Executive Leadership journal as the three categories supervisors look at when judging whether or not an employee would get a promotion.

Communication. Writing skills can be learned, and nothing will separate the goats from the sheep faster than well written reports and even memos. Students are urged

to work hard on their writing, even to the point of taking courses at night in scientific writing, if you must. Short pithy sentences, with a minimum of jargon are best. Absolutely critical is the skill of presenting an excellent Executive Summary..a one pager (ideally) at the beginning of a report that summarizes the report's main conclusions and implementation recommendations. Sadly, due to CEO's or Supervising Managers time constraints, this might be the only text they read of your report! They might take the report home with them, but only get to read the Executive Summary before they fall asleep in their recliner as "Nightline" drones on, or Letterman gives his Top 10. Another thing they might read are figure captions, as everyone likes graphs and pictures, and if you have expansive captions that actually give some of the results or other factoids, that would be an added benefit. And the third thing that might be read is the "acknowledgements" section. Always mention your boss: Suzy Student who works for I.A.M. Boss, was Team Leader on this project assisted by...then list your whole team who worked on this project, or give thanks to those who helped you. Be a team player and acknowledge those peers and staff who helped you...remember there is no "I" in TEAM.

Presentations. Students are urged to practice their presentation skills..**speak up** so those in the back of the room can hear you (remember, those who hear the worst will always sit in the back of any room). Ladies, no little wren voices if you want a promotion...you've got to be heard! If a microphone is provided...use it; don't ever say, "I don't need it, my voice is loud enough." Trust me, it isn't, and those back row crows will let you know soon enough! And practice with using microphones in general. Know how to move one up and down, or toward you; and how close you can get to one without popping your "p"s. In short, get a comfort level with the whole A-V set up in the room where you will give your presentation or talk...if you can, go up to the podium and check on all these things. And when you speak, don't try to wing it, speak from a prepared text or script...write out each slide with the text of the data you want to present, and go over it and over it

until it's in your head, but still keep the script in front of you. This will keep you within your time limit, and keep you from hemming and hawing around, and having to look at the screen too much besides knowing if the correct slide is up. Nothing is worse than having to listen to a speaker who adds things like, "You know," "Ah," or "Um," every other phrase because their mind is working faster than their mouths can speak. It takes practice to give good presentations, and the more you practice, the smoother you will get, the more confidence you will gain, and the more professional you will become.

Dressing. This is a touchy subject, but I am going to plunge in: Gentlemen, just because your professor dresses like a "grubby geologist" doesn't mean that you should do likewise, especially when you give presentations at work, or to clients or at a GSA Annual or Sectional meeting. You are trying to present yourself as a professional...looking for a job sooner or later (remember your professors already have a job, you don't!), or if at work... the next promotion offered. If not a suit, at least wear a sport coat over a pressed shirt, or a turtleneck (not a T-shirt), nice pants, not jeans...no matter how new; and shoes (not sneakers).

Ladies, please consider decorum at work (and school)...dress as if you are a supervisor already; don't think fashion...think conservative. Especially watch those low cut tops that are the rage right now—not suitable for a work environment. We want your supervisors to talk about your work, not what or what you're not wearing! When giving presentations, if not a skirt or dress with a jacket, a nice pant suit, conservative in nature; low heels or flats...no sneakers. No flashy jewelry. Both males and females: dress for the promotion you want...for that next level up—hopefully coming your way!

Some of this may sound a little harsh, but I hope it's been helpful...if you want more information on any of these headings, please contact me directly via email (DrDuneNJ@aol.com) or approach me at GSA meetings. Remember, I'll be watching! And please let me know if any of

these techniques have been responsible for any promotions! We'll celebrate together...

Susan D. Halsey, Ph.D.
Chair, G&S Division

G&S Sponsored Sessions

Sunday am	Sunday pm	Monday am	Monday pm
6-T1 <i>Denver: Paleo. to Public Policy</i> 506		62-T5 <i>Coal Utilization</i> 502	92-T14 <i>Uranium Mining & Restoring GW</i> 503
9-T17 <i>Managing & Restoring Fluvial Systems</i> 407	38-T17 <i>Managing & Restoring Fluvial Systems</i> 407	85-T17 P <i>Managing & Restoring Fluvial Systems</i> Halls E&F	108-T120 <i>Preserving Geological/ Geophysical Data</i> 702
13-T49 <i>GW Mining and Pop. Growth</i> 702	57-T75 P <i>Tsunamis Halls E&F</i> *EVENING	84-T9 P <i>America's Vulnerable Ocean Communities</i> Halls E&F	109-T127 <i>Earth Sciences in Public Health</i> 501
14-T76 <i>3D Mapp. for Engineering</i> 502	44-T76 <i>3D Mapp. for Engineering</i> 502	73-T77 <i>Forensic Geology & Engineering: Sloss Tribute</i> 404	
15-T85 <i>Geophysics & Geology Problem Solving</i> 703	45-T85 <i>Geophysics & Geology Problem Solving</i> 703		
19-T124 <i>Medical Geology</i> 501			
20-T129 <i>Teaching Climate Change & Energy</i> 601	50-T129 <i>Teaching Climate Change & Energy</i> 601		
	58-T146 P <i>Geologic Mapping</i> Halls E&F *EVENING		

Meeting at-a Glance

Tuesday Am	Tuesday pm	Wednesday am	Wednesday pm
133-T79 <i>Landslides: Sloss Tribute</i> 502	170-T130 <i>Forensics & Geol: 505</i>	188-T8 <i>Geology's Role for Planning and Hazards Mitigation</i> 505	
139-T141 <i>National Parks Geology</i> 501	163-T80 <i>Faulting and Gov't Response: Sloss Tribute</i> 502	192-T29 <i>Arsenic 704/706</i>	222-T29 <i>Arsenic 704/706</i>
140-T143 <i>Geoscience in the Community</i> 603		195-T47 <i>Conjunctive Use of Surface and GW</i> 708/710/712	224-T47 <i>Conjunctive Use of Surface and GW</i> 708/710/712
141-T147 <i>History of Geology Critical Issues</i> 702		200-T106 <i>Geologic Structures, Fluids, and Ores</i> 504	
148-T134 P <i>Effective ES Teacher Prof. Develop. Programs</i> Halls E&F		202-T134 <i>Effective ES Teacher Prof. Develop. Programs</i> 601	

Meeting session # - Topical #

Abbreviated session title

Convention Center room

P = Poster sessions