

Terry West, 2002 EGD Chair, hands the Berkey gavel to incoming 2003 EGD Chair, Judy Ehlen

Chair's Message

By Judy Ehlen

As Division Chair for 2003, let me first introduce myself. I am in fact a geomorphologist with major interests in military geology, engineering geomorphology, rock mass and site characterization, and rock mechanics - all these interests revolve around the study of fractures and fracture patterns. I work for the Army Corps of Engineers research laboratory, the Engineer Research and Development Center, at the Topographic Engineering Center in Alexandria, Virginia. I've been with the Corps for about 30 years. Although a long-time member of GSA, my involvement with the Engineering Geology Division is fairly recent, stemming from military geology symposia sponsored by the Division in 1994 and 1998. This involvement has been pure pleasure, culminating in my present position as your Chair.

Those of you who were at the GSA Annual Meeting in Denver know that we had a very good meeting, even with the confusing change in schedule - the annual meetings are now held Sunday through Wednesday rather than Monday through Thursday. With ten topical sessions (eight oral and two poster) in addition to two co-sponsored oral sessions and one poster session, our discipline oral and poster sessions and Perry Rahn's Jahns Lecture, it was jam-packed with engineering geology. Over 100 papers were presented in our oral sessions, and there were a total of 24 posters. I think this represents the largest program that the Division has organized for an annual meeting, a goal that can only be surpassed in the future. The most popular session, convened by Sue Cannon, our Member-at-Large, and co-sponsored with the Quaternary Geology and Geomorphology Division, was on wildfires - there were two half-day oral sessions and one poster session. In addition to the technical program, we also sponsored two one-day field trips and a short course, all of which were well attended.

The Management Board meeting in Denver was held on Saturday afternoon, before the technical sessions began. This is the second year we have held the Board meeting ahead of the technical program, rather than in the middle, which is both good and bad. It means that fewer Division members attend the meeting - you are of course always welcome - but it gives us an additional half day for technical sessions, which is good.

Several issues of interest were discussed. Perhaps the most obvious is that this newsletter is now published in electronic form, and if you wish a paper copy mailed to

you, you must make a special request by contacting EGD Secretary Bill Haneberg at <bill@haneberg.com>. And for the second year, we used electronic balloting for the election of Board members. This was quite successful, with a larger number than usual returning ballots. Financially, we are in very good shape. Jerry DeGraff has agreed to continue as newsletter editor, Chuck Welby will continue as publications chair, and Rob Larson will continue to maintain our website <<http://rock.geosociety.org/egd/index.html>> but would like some help, so if you are interested, contact Rob <ralarson@rampageusa.com>.

Another issue that I'm sure is of interest to you is the status of *Environmental Engineering and Geoscience*, the GSA-AEG engineering geology journal. *E&EG* now has a new editorial board that includes EGD members Rob Larson, Kerry Kato, Betsy Mathieson and Bill Haneberg. Abdul Shakoor, also a Division member, is one of the two editors. If you're thinking about publishing a paper on engineering geology, why not submit it to our own journal?

Plans are well advanced for the 2003 GSA Annual Meeting in Seattle, November 2-5. A number of engineering geology topical session proposals were accepted, so look at them carefully when GSA publishes the details in the April issue of *GSA Today* and then submit your abstracts by July 15, 2003. The website should be available for electronic submissions in late April or early May. Bill Haneberg provides more details on this elsewhere in the newsletter. And don't forget the section meetings - *GSA Today* has the details on these and they can also be found on the GSA website <<http://www.geosociety.org>>. If you're planning to attend a section meeting, think seriously about becoming a Shlomon Mentor. Details are available on the website <<http://rock.geosociety.org/science/shlm2002.htm>>. I hear this is a very rewarding experience.

Finally, I recently ran across a course sponsored by the American Rock Mechanics Association that may be of interest to many of you - either to maintain your professional license or just because it might catch your fancy. It is called "Rock Mechanics for

Practitioners" and is intended to provide a working overview of rock mechanics to scientists and engineers who need to interact with geological engineers or to participate in rock engineering projects. If you're interested, contact Peter Smeallie at <smeallie@bellatlantic.net>. The course will be in August in Boulder, CO.

Environmental & Engineering Geoscience Call for Papers

Environmental & Engineering Geoscience (E&EG), a quarterly journal co-published by GSA and the Association of Engineering Geologists, is seeking new manuscripts. *E&EG* publishes peer-reviewed contributions based on original work in the broadly defined areas of environmental and engineering geosciences (including geomorphology, hydrogeology, low-temperature geochemistry, neotectonics, and other Earth surface processes). Both theoretical and empirical contributions related to these areas are welcome, although preference will be given to papers of an applied nature. Specifically, *E&EG* encourages the submission of the following kinds of papers:

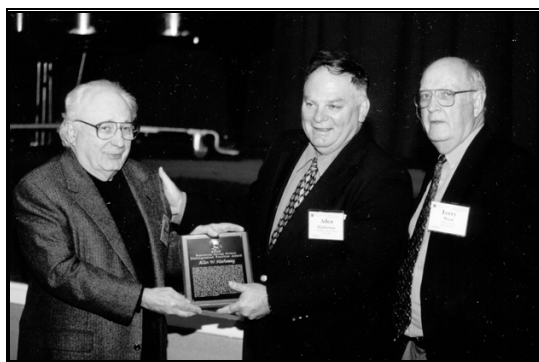
- Results of original research in the environmental and engineering geosciences;
- Case histories describing the solution of new or unusually difficult problems in the applied geosciences;
- Review papers that summarize the state of the science or professional practice in a branch of the applied geosciences, including contributions describing relevant aspects of local or regional geology or the history of environmental and engineering geosciences;
- Short technical notes (6 published pages or less) describing new techniques, novel case histories or other topics in the environmental and engineering geosciences;
- Brief critical discussions of papers and technical notes published in *E&EG*.

Authors should submit 6 copies of manuscripts for review to:

Dr. Abdul Shakoor, Co-Editor
Environmental & Engineering Geoscience
Department of Geology
Kent State University
Kent, OH 44242

All text, captions, tables, and references should be double-spaced and printed on one side of the paper only. Good quality copies of illustrations should be sent until the originals are requested. Charges for color figures are \$450 per page. Each author receives 25 free offprints of the published paper.

For more information, contact Dr. Shakoor (330-672-2968, ashakoor@kent.edu) or Co-Editor Dr. Alan Fryar (859-257-4392, afryar1@uky.edu).



Dr. Krinitzsky (on left) presenting Distinguished Practice Award to Dr. Hatheway, with Dr. West (on right) looking on

2002 Distinguished Practice Award Citation And Response By Dr. Ellis Krinitzsky

What shows most forcibly in Allen W. Hatheway's career is his indisputable independence and courage. In contrast, what ails our profession the most is a polite and cowardly unwillingness to resist humbug, especially when humbug is promoted in high places. False assumptions, false reasoning, and false usage can take firm root when there is no

resistance. And attacking such shams when they have become entrenched is dangerous because purveyors of humbuggery know how to marginalize opposition, and they are adept at destroying careers. Allen Hatheway has always had an uncanny sharp eye for the bogus and the fraudulent, and he has never feared to speak out against shams.

The approach Allen used was to reach to the minds of thinking people and to alert them to the pressing importance of actively resisting falseness. And it was never easy. His enemies have attempted to ruin him repeatedly. Yet, he has surmounted every obstacle, and he has kept the faith. During 20 years as a university professor, he taught his students to interpret fairly, honestly, and accurately. During another 20 years, when he worked in mining, for the military, for civil governments, and in major consulting firms, on engineering projects of every description, he taught by example how a professional should do his work. He immersed himself wholeheartedly and enthusiastically, willingly and with gusto, and he did everything he could to make work in Engineering Geology dramatic, thrilling, unprecedented, and, above all, enjoyable.

By his annoying of dolts, Allen Hatheway has done the profession an additional great favor. He can be likened to a sand grain in an oyster. The oyster hates him and would be rid of him. But sand grains create pearls. And the profession is better off for it.

It is for forty years of exceptional service to the profession that Allen Hatheway has earned the Distinguished Practice Award, and it is presented to him with appreciation.

Response

By Allen W. Hatheway, FGSA
Rolla, Missouri and Big Arm,
Montana

Dr. Krinitzsky has indeed warmed the cockles of my restless heart in fashioning the citation to this most-welcome award!

In truth, the thrust of my career has not been centralized on dealing with humbuggery, but, on the other hand, a great deal of my

energies have been focused on highlighting and combating this form of threat to our profession. This is considered by some to be akin to tilting at windmills. But, dealing with humbuggery has been second nature to me and I shall continue to actively fight against those conditions and personalities that I perceive to be dangerous to the health of our profession.

On the other hand, I have equally striven as well as to recognize, incorporate and magnify the good works of our more enlightened members.

Much of what I have had to say publicly as concerns what I believe is damaging to our profession has appeared in the Annual Report on the Profession, a regular feature of the journal *Engineering Geology*, since 1995. We are the only profession in the world today, in my estimation, that takes the effort to chronicle its own history and status each year. This report was originally planned to appear in the journal *Environmental & Engineering Geosciences* but was summarily rejected by its editor in 1994 as merely representing "news" and not worthy of that journal.

Some of the issues that I have enjoined and which are reflected in the Citation are:

- o Students who attend the University only to achieve a degree, rather than to earn an education (A Gordon Prescott precept);
- o Professors who teach the same content, year in and year out;
- o Professors who examine by multiple choice, the contents of which never change and are found in "the files";
- o Professors who are not licensed to practice in the areas in which they teach;
- o University administrators in general, who typically encumber the teaching faculty, while they consume larger representative resources, often in looking to apply the Peter Principle in their own advancement;

- o University administrators who coddle the student body with late-teenager evaluations of the competence of their teaching faculty;
- o Practitioners who practice outside their area and/or depth of competence;
- o Consultants who will say what their clients wish them to say, in the best interest of the client and to the detriment of public safety and/or the environment;
- o State legislatures who no longer support their research universities, and university management who flog their faculties to make up the financial short falls;
- o The Congress for its continued earmarking/pork-barreling of funds to universities with platoons of Washington, D.C., lobbyists;
- o The Beltway Bandits who infest the fringes of the Nation's capital and staunch the flow of Federal funds west of the Potomac and who practice the evils of bid-shopping, fire at age fifty, and prey on the young and old for non-benefit employment.
- o The Energy Department, for its centralized bureaucratic incompetence and sweetheart doles to legions of Beltway Bandits and toward the sustenance of the National Laboratories, sponges of research funds desperately needed at the Universities;
- o The National Laboratories for their over-adherence to speculative and field-unbiased mathematical analyses of all manner of unsupported studies;
- o The Federal Government-at-large for its forceful commoditization (bid-shopping) of professional services.

And so, while we must struggle to preserve and to improve our profession technically, through always more efficient works in harder of times, we must thwart humbuggery at every turn!

Call for Nominations for EGD Member-at-Large

The Nomination Committee would appreciate receiving nominations from Division members for the Management Board position of Member-at-Large. This position provides an opportunity to learn more about management of GSA in general, and the Engineering Geology Division in particular. It also serves as training for future leadership in the Division. Please send nomination to the chair of the Nominations Committee, Terry West at <trwest@eas.purdue.edu> by July 1, 2003.

Engineering Geology at the 2003 GSA Annual Meeting By Bill Haneberg

The Engineering Geology Division is sponsoring or co-sponsoring a variety of exciting topical sessions, a field trip, a short course, the annual division luncheon, and the Jahns lecture at the 2003 GSA Annual Meeting in Seattle. Other GSA divisions are sponsoring even more topical sessions on hazard assessment, surficial and bedrock mapping, mathematical modeling, and aquifer characterization. All in all, it should be a great year for engineering geology at the Seattle meeting.

Annual meeting activities cannot succeed without your participation! Each year, many annual meeting topical sessions are cancelled due to a lack of abstracts. This is because GSA allows session advocates to invite four speakers but requires at least twelve speakers for the session to be viable. The remaining eight (or more) speakers are people who have submitted volunteered abstracts. So, please think about submitting an abstract to one of the sessions listed below. Remember that case history you've thought about presenting? That part of your thesis or dissertation that hasn't yet been published? That new technique you've developed? Any of them could be topics for an annual meeting abstract. The same holds true for field trips and short courses. They

provide outstanding opportunities to meet colleagues and learn new things at a very reasonable price and cannot go forward without the active participation of division members.

Mark your calendars now. Technical sessions will be held November 2 through 5, with field trips and short courses before and after. Abstract submission, registration, and housing information will be available in upcoming issues of *GSA Today* and on the GSA web site <www.geosociety.org>.

EGD TOPICAL SESSIONS (dates and times TBA)

Advances and Applications of 3D Fracture Analysis to Rock Mechanics and Engineering Geology

Advances in Stratigraphic Analyses Using Ground Penetrating Radar (joint with Geophysics)

Characterizing Complexity in Geomechanics, Engineering Geology, and Hydrogeology

Coastal Processes and Hazards Along Active Margin and Low Latitude Coasts

Deep Rock Slope Deformation: Mechanics, Processes, and Timing

Geological Mapping: Key to Successful Management of Water and Land Resources (Posters) (joint with QG&G, Hydrogeology, USGS, and AASG)

Hydrogeologic Analysis of Glaciated Terrains (joint with Hydrogeology)

Impacts of Hydrostratigraphy on Engineering and Civil Works Projects in the Pacific Northwest (joint with Hydrogeology)

The Role of Geology in the Management of Public and Private Western Temperate Forest Lands (joint with QG&G)

FIELD TRIP

Engineering Geology in the Central Columbia Valley; Friday-Saturday, October 31 - November 1. Leaders: Tom Badger (WA DOT) and Dick Galster (consultant).

Some 2002 EGD Luncheon Photo Memories



Shlemon scholars flanked by Roy Shlemon (on left) and Committee Chair Rob Larson (on right)



2002 EGD Management (from left): Bill Haneberg, Terry West, Judy Ehlen, and Bob Fakundiny

2002 EGD Meritorious Service Citation By Vincent S. Cronin, Baylor University, Dep't. of Geology

In my opinion, Robert Larson has been the primary reason that the GSA's Engineering Geology Division has remained functional and healthy during the past decade. One could say that he has been the glue that holds the enterprise together, or the oil that keeps it running smoothly. (I don't normally refer to friends as being like adhesives or lubricants, so I hope Robert will forgive my crude metaphors.)

I met Robert when we both worked for Jim Slosson in the early 1980s, and I greatly value our 20-year friendship. (We both have been greatly blessed by having Jim as a mentor through the years.) Before I talk about what Robert has done for GSA's Engineering Geology Division, let me tell you a little bit about young Mr. Larson.

Robert has impressive professional credentials, including a Masters degree in geology with distinction from California State University at Northridge. You will regularly encounter him on geological field trips, workshops and short-courses as he continues to grow and develop as a geologist. He is a Registered Geologist in four states, a Certified Engineering Geologist in two states, a Certified Hydrogeologist in California, a Certified Professional Geologist through the AIPG, and a Chartered Geologist with the Geological Society of London. He is a Fellow of the Geological Society of America and of the Geological Society of London.

Robert has convened 8 or 10 symposia or technical sessions at professional meetings, has authored or co-authored approximately four dozen papers and abstracts, and joined with Jim Slosson to edit Volume 11 of the Reviews in Engineering Geology, entitled Storm-induced geologic hazards: Case histories from the 1992-1993 Winter in Southern California and Arizona, which was based on a GSA symposium that he organized.

Robert has served, frequently as Chair, on more committees than you can shake a stick at, on behalf of the Engineering Geology Division as well as for such organizations as the California State Board of Registration for Geologists and Geophysicists, the California State Mining and Geology Board, the California Seismic Safety Commission, the Association of Engineering Geologists, and the American Institute of Professional Geologists. He has served as a reviewer, Associate Editor, and Member of the Editorial Board of the joint GSA-AEG journal Environmental and Engineering Geoscience.

I would also like to specifically note Robert's service on Ethics Committees for both the Association of Engineering Geologists and

the American Institute of Professional Geologists. Ethical practice is not just something that Robert talks about and writes about; he strives for it in his own work and provides a practical model for others to follow. I was thinking of Robert Larson when I added the words "Promoting Ethical Practice" on the EGD poster, which is currently on display in the Exhibits Hall.

In addition to serving as Chair of this Division, and in every other elected position in the Management Board, Robert has seemingly served on every committee associated with this Division (standing or ad hoc) in the past decade, including service as the Newsletter editor for a year. Robert has not treated these opportunities for service as merely resume builders. When he has taken on a job in service to our profession, Robert has worked hard at the task at hand. As one of many examples I could cite, I recall an EGD Management Board meeting in the mid-1990s at which a member of the Board enthusiastically described all of the good things that would happen or become possible if the Division developed a web page. A year later, when nobody else had taken the good idea and taken the next step toward development or implementation, Robert took it upon himself to design, maintain, and host the Division's first web site. He remains the Division web master to this day.

I would be remiss if I did not publicly acknowledge and thank Robert for the extraordinary help that he rendered to me while I was the Chair of this Division. He was my backstop, my foundation through some personally difficult times. And I have reason to believe that he helped Scott, Terry, Duane, Judy, Helen, and all other recent EGD Chairs in a similar manner. He bailed us out with his characteristic grace, patience and competence. I think it might be more appropriate to substitute a fireman's helmet for this plaque, in recognition of all the fires he has helped us put out in the past decade.

So on behalf of a grateful Engineering Geology Division, I would like to thank Robert Larson for his extraordinary past and continuing service to the EGD, and present him with the Meritorious Service Award.



Vince Cronin (on right) presenting the EGD Meritorious Service Award to Rob Larson (on left)

2002 Burwell Award to Paper from Reviews in Engineering Geology, Volume 13

At the Engineering Geology Division luncheon, the 2002 E.B. Burwell, Jr. Award was given to Thomas E. Eastler, Donald J. Percious, and Paul R. Fisher for their paper entitled, "Role of Geology in Assessing Vulnerability of Underground Fortifications to Conventional Weapons Attack". This was an exemplary paper from the many contributions to volume 13, Reviews in Engineering Geology. Volume 13 was titled "Geology in War and Peace".



Burwell Awardees Don Percious and Tom Eastler (holding plaques), with Judy Ehlen and Terry West.



Association of Engineering Geologists
46th Annual Meeting
Vail, Colorado
September 16-19, 2003



Call for Technical Papers and Exhibitors

Abstract submittals are due May 1, 2003

E-mail preferred: <aegjuliek@aol.com>,

Or submit your abstract on AEG's web page: <www.aegweb.org>, Annual Meeting

Or mail with disk to: AEG 2003 c/o Julie C. Keaton, P.O. Box 5204, Blue Jay, CA 92317
909.337.0657; fax: 909.337.6518

Technical program topics:

- Site Characterization
- Seismic Hazards
- Expansive Soil and Bedrock Hazards
- Rockfall and Rock Slope Stability
- Landslides & Debris Flow Hazards
- Groundwater
- Dams & Water Resource Development and Remediation
- Transportation Engineering Geology
- Environmental Hazards and Remediation
- Mine Closure & Remediation
- General Topics in Engineering Geology
- The Use of Risk Assessment in Engineering Geology
- Engineering Geology in Land Use Planning
- Professional and Ethical Considerations in Engineering Geology
- Case Histories in Classical Engineering Geology
- The Future of Engineering Geology