



THE
GEOLOGICAL SOCIETY
OF AMERICA

The Engineering Geologist

NEWSLETTER OF THE ENGINEERING GEOLOGY DIVISION OF THE GEOLOGICAL SOCIETY OF AMERICA

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CHAIRMAN'S MESSAGE

Your Management Board is busily engaged in a variety of activities which we hope will prove to enhance the services that the EGD can provide its members. First of all, we have arranged to have specific EGD representation at four of the section meetings this spring. Thanks go to Helen Delano, Scott Burns, and William Lund for recruiting Engineering Geology papers for the Northeastern, Cordilleran, and Rocky Mountain section meetings. At the Southeastern Section meeting a session concentrating on landslides will precede a session on more general Engineering/Environmental Geology topics. It will be my good fortune to visit the Northeastern and Cordilleran section meetings and participate in the Engineering Geology sessions as well as be at my "home" section, the Southeastern. Bill Lund and Jeff Keaton have asked specifically to represent the EGD at the Rocky Mountain Section meeting in Ogden. From these efforts we hope to grow a consistent program of Division representation and participation at the section meetings. The Management Board will be working during the coming months on developing ways to make the Division's efforts at the section level consistent and valuable.



needs of this fund have been discussed by Perry Rahn in the February Newsletter issue and earlier by Jeff Keaton. It seems appropriate to bring an update on this particular fund which supports both research and the Division's special attention to educational issues.

As the result of contributions from members in late 1991 and the receipt of

As noted in the February 1992 issue of the Newsletter, Kevin R. Hayes from Penn State received the Division's Student Research Project Award. The money for this award comes from the 40th Anniversary Fund. The

matching funds from the GSA Foundation, the Anniversary Fund has reached the point where \$2500 from members will put it over the top and enable us to provide additional research monies to a deserving student or students interested in an engineering geology problem. The GSA Foundation has extended the deadline for reaching the \$10,000 goal until January 1, 1993. Although one can play games with the balance, it works out that \$25 from each member would give us \$25,000 in addition to the \$5,000.00 plus already available. If 100 of us were to contribute \$50 between now and December, we could easily achieve the \$10,000 goal. The Management Board has committed itself to 100% participation in the current effort in 1992, and past officers who have been contacted have pledged support of the fund. If you are in a position to obtain matching funds from your employer you can, in essence, double or better your contribution, and with the GSA Foundation matching commitment, we can build the fund even further. If the \$50 amount is more than you feel you can

afford, make a contribution of some amount. Remember 1,500 \$10 contributions will accomplish the goal as will 1,000 \$5 contributions. In other words, every little bit helps. See the form on Page 6.

You will note the call for papers for the "McGill Volume" made by Chris Mathewson in the February issue and this issue of the Newsletter. The preparation of this volume continues our effort to get case histories and review volumes out on a more or less regular basis as a service to the membership. If you have something to contribute, or think you do, please get in touch with Chris.

"The Management Board will be working during the coming months on developing ways to make the Division's efforts at the section level consistent and valuable."

Tom Holzer and Bob Sydnor have been serving on an ad hoc committee in the coming months to explore what research topics might be most appropriate for the Division to pursue in the near and intermediate term future. Each of us has one or more research problems that we think should be investigated more fully. Now is perhaps the time to initiate a broader look at research needs with the purpose of publishing a "white paper" outlining these needs as a guide for planning future EGD programs and publications. If you have some ideas, please give me a call or drop me a line. I expect that the Management Board will be discussing and acting upon this proposal in the coming months.

In addition to activities related to the Division's Long-Range Plan, Chris Mathewson and his committee are working on updating the Plan. During the past several months the Management Board has continued its coordination with the Institute for Environmental Education (IEE). Jerry DeGraff and Mary Riestenberg (College Mt. Saint Mary, Mt. St. Joseph, OH) of the liaison committee are developing the program for the Cincinnati meeting next October; Rhea Graham and Jeffrey Lawson (Environmental Projects Control, Grafton, MA) have begun to lay the ground work for the Division's efforts and responsibilities with respect to the IEE for the Boston meeting.

One of the objectives noted in the Long-Range Plan is to bring more Division activities to the GSA section level. With the spring meetings of the Northeastern, Southeastern, Cordilleran, and Rocky Mountain sections we have started the process. In addition preliminary plans are being formulated for wider participation at the section level in 1993. Through this activity we are attempting to demonstrate to those members of GSA who view themselves as Environmental Geologists that there is a place in the Engineering Geology Division for them.

Another objective or goal is to increase the funding for the Division's Student

Research Award. The award itself comes from the interest generated by the 40th Anniversary Fund. The Management Board's efforts along this line have been noted above. We hope that you will take the plea to heart and make a contribution and perhaps convince another EGD member to do likewise.

Jerry DeGraff is preparing an interesting and useful program for the Cincinnati meeting next October. It is anticipated that it will include a short course of broad interest to the Division membership and others. For those in the academic world especially, remember that the first five students who are student members of EGD at the time of their enrollment in the course will be reimbursed \$50 of the registration fee for the course.

From my vantage point there are a lot of good things happening within the Division; take heart and become a part of the action.

Charles W. Welby, Chairman

**MANAGEMENT BOARD
ENGINEERING GEOLOGY DIVISION
GEOLOGICAL SOCIETY OF AMERICA**

Minutes of the Management Board EGD/GSA Meeting
- Wednesday October 23, 1991 at the San Diego Marriott,
Desert Springs Room

Members in Attendance:

Vince Cronin, Member
Jerry DeGraff, Secretary-Treasurer
Rick Giardino, Editor of *Newsletter*
Rhea Graham, Management Board Member
Bill Hanneberg, Member
Tom Holzer, Past Chairman
Jeff Keaton, Past Chairman
Chris Mathewson, Past Chairman
Perry Rahn, Chairman
Charles Welby, Chairman-Elect

The meeting began at 7:35 p.m.

A. OLD BUSINESS (Perry Rahn, Chairman)
1. Agenda of 1991 for Management Board meeting

The agenda was approved.

2. Minutes of 1990 Management Board meeting

The minutes were approved.

3. Reports of Division Activities
a. 1991 Short Course

Discussion of the short course taught by Donn L. Marrin, "Mobility of Chemicals in the Vadose Zone" was given by Jerry DeGraff, who took the course. Fifty students were enrolled. Chuck Welby agreed to follow-up on student registrants for the course, if any. The amount of income from the course was determined to be an item of information.

b. 1991 Annual Meeting Review

The division luncheon was discussed, with a feeling to move the date to Wednesday. The purpose of the luncheon is to give out the awards. The discussion of students as guests at the luncheon was left unresolved. The Secretary-Treasurer usually holds extra tickets to allow latecomers to attend. This process was viewed as a helpful tradition to continue.

c. Financial Statement

The financial statement was read and approved. The balance was \$12,557.77 as of 08/31/91 without the October 1991 *Newsletter* costs. The balance of the award fund was \$5,847.00 as of 08/31/91. It was noted that Division membership had fallen from 1,300 in 1989 to 1,100 in 1990 to 1,000 in 1991.

d. Newsletter

Three (3) newsletters were mailed to Division members in 1991. The composing costs are nil because of the use of desktop publishing software by the Editor. Postage, however, continues to go up.

Issue Deadline

September issue

08/10/92

Discussion was held regarding whether or not to revive the "A Case in Point" column. It was suggested that this column be made a duty of the Management Board representative. Another suggestion was that input be solicited on a regional basis, such as by GSA section. An acclamation for Rick Giardino closed the discussion.

4. Committee Reports

a. Richard H. Jahns Distinguished Lecturer (Greg Hempen)

Mr. Hempen was not present to give the report. The \$3,000 total stipend is shared with AEG. It was suggested to require a written report as part of the funding obligation by the Division.

b. Burwell Award (Manuel Bonilla)

Mr. Bonilla was not present to give the report. Books and monographs are eligible for consideration. A motion was made to have either Bill Hanneberg or Wayne Isphording be the new chair.

c. U. S. Committee for the International Association of Engineering Geology (USC/IAEG).

Perry Rahn attended the last meeting. It is possible that the 1998 meeting will be in the

United States. It was decided that Perry Rahn will be the official representative from the Division for two more years.

d. Publications Committee (Rick Giardino)

Rick Giardino gave the report. The last manuscripts have been received for the next *Reviews in Engineering Geology* (Vol. 9). The subject is a session on slope stability papers from the Cordilleran Section meeting held in Los Angeles in the mid-1980's.

e. Long-Range Planning (Chris Mathewson)

Chris Mathewson gave the report. This discussion was the most lively because it focused on such issues as the proposed name change to Environmental and Engineering Geology Division. The long-range report was moved, seconded and voted. The Reviews Volume was moved and seconded, a Memorial Volume to "Urban Geology", (Jack McGill) proposed by J. Keaton and C. Mathewson. A 1-page report is due to GSA by 04/03/92 on this proposed long-range plan. Discussion of a Board meeting in early February was tabled. Revisions, if any, should be to C. Mathewson by 12/01/92 from the Board members. A conference call will follow to discuss the revision.

f. U. S. National Committee for Tunneling (Richard Gray)

Mr. Gray was not present to give the report. No other information was available.

g. Distinguished Practice (Jeff Keaton)
Jeff Keaton gave the report. No review with Management Board about Past Chairman's decision—need to change this reporting practice.

h. Meritorious Service (Jeff Keaton)
Jeff Keaton gave the report. No review with Management Board about Past Chairman's decision—need to change this reporting practice.

i. Award Committee for Outstanding Student Research (Perry Rahn)

Perry Rahn gave the report. Kevin Hayes of Penn State was selected. Need to advertise in newsletter on annual basis.

j. Nominating (Perry Rahn)
Perry Rahn gave the report. John Rockaway is the new Management Board member. Genevieve Atwood is the replacement for Dave Stephenson

on the Council. Vice-President, Treasurer, and Councilor nominations are needed by 02/15/92. Suggestion was made to circulate a memorandum regarding nominations from EGD o/a 01/01/92 and print it in the newsletter.

k. U. S. National Committee on Rock Mechanics (Jeff Keaton)

Jeff Keaton gave the report. There is no report available from last year's meeting.

l. DNAG (George Kiersch)
Special Centennial Volume III is out. Division needs to send a "thank you" letter.

5. Necrology

Was read at the EGD Luncheon. As of October 8, 1991:

Frederick K. Heller	01/01/91
Burton H. Marliave	02/10/91
Robert H. Nesbitt	10/15/90
Joseph F. Poland	06/04/91
Stanley G. Wissler	10/25/90

6. Other Old Business

ASCE Committee has a liaison from EGD.

7. Report of Chairman-Elect regarding abstract reviewers. Need to include member-at-large as a reviewer as per duties. 106 ballots were returned and slate was elected as stated.

B. NEW BUSINESS (Charles Welby, Chairman-Elect)

1. 1991 Division Budget (Jerry DeGraff)

Need to buy more hammers (10). Need to find source in Boston, MA.

An unbalanced budget will result without short course income. Transfer of \$500.00 needed to compensate for research budget. Finalized budget to be provided by J. DeGraff to R. Graham.

Need to include articles in *GSA Today* regarding the definition of an engineering geologist to increase membership and thus help budgetary problem. C. Mathewson will submit a draft article to the management board for *GSA Today*.

2. Future Annual Meetings
a. Cincinnati (Jerry DeGraff)

Theme session or symposium with 1/2 day is allotted to EGD. J. DeGraff will take the lead on a proposed theme

session advance by Brian Skinner of the International Division suggested "Environmental Aspects of Development Projects in Latin America and Caribbean Basin to carry the theme of From Columbus to Magellan. Focus on understanding geologic conditions and providing for sustainable development. B. Hanneberg will take the lead on a proposed symposium covering "Instability on Clay and Shale Hillslopes." Another suggestion was advances in investigation, characterization, and monitoring of the geologic environment for waste disposal, which will probably be taken by the Environmental Geology Division. Our decisions are due to GSA 01/07/92. Need to check with the Field Trip Chairman on status of field trips. Regarding short courses, Rick Giardino is the point of contact. One suggestion was GIS systems. Another suggestion was the application of probable risk to geologic problems. Need to work jointly with SAGE regarding a field trip for K-12 teachers.

b. Boston (Rhea Graham)

Need to review William O. Crosby's History of the Geology Division. Jim Skeeahan is the Program Chairman. Contact needs to be initiated.

3. Cooperative Ventures with Institute for Environmental Education (Charles Welby)

The new chairman will write a letter to IEE in support of their mission. A committee to coordinate with IEE will be appointed from EGD. The first two members are Jerry DeGraff and Rhea Graham. Each of them will appoint one additional member. Then, each Secretary-Treasurer will appoint a replacement for the outgoing committee member. A letter will be sent regarding this action by the Chairman to the Institute Director. This activity will be added to the Long-Range Plan.

4. Impact of Government Ethics Law on Jahns Lecturer (Jerry DeGraff)

The Ethics Reform Act of 1989 created a ban on honoraria for all Federal employees. This has had a negative effect on the Jahns Lecturer pool. H.R. 325, held up in committee, would create a modification for below GS-15 employees. A coordinated, concerted advocacy is being launched by AGI, who is able to lobby.

5. Disparity between GSA Bulletin Contents and Membership Interests (new journal?) (Charles Welby)

Considerable discussion focused on bar-

riers to editorial policy, and the need for an engineering geologist on the editorial board. The Chairman will contact John Costa about this.

6. New Appointments to Committees (Charles Welby)

The Chairman will take action once he receives a list of committees.

7. Development of Activities with GSA Sections

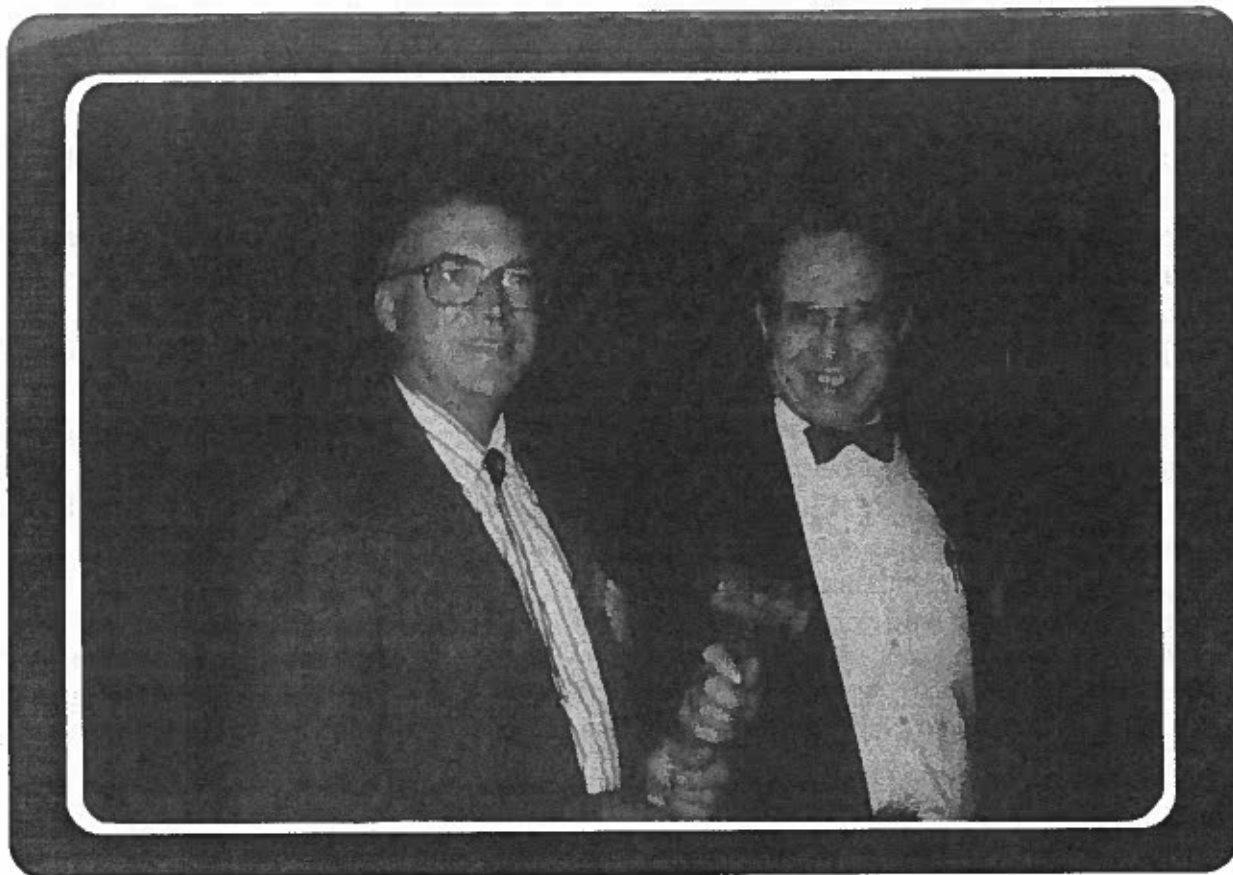
The Southeast Section program has an EGD member. Need to have contacts designated for each section. The Management Board member will assist the chairman with this activity.

8. Other New Business

Jeff Keaton requested a resolution on the Division name. The Chairman's message will address this. A photograph of the new officers was taken.

The meeting was adjourned at 11:35 p.m..

Rhea Graham
Secretary-Treasurer
Engineering Geology Division/GSA



*Photograph of Perry Rahn transferring the gavel
to the new EGD Chairman, Charles Welby*

Contribution Form

ENGINEERING GEOLOGY DIVISION 40th ANNIVERSARY FUND

Enclosed is my contribution of \$ _____ to the 40th Anniversary Fund.

Name _____

Address: _____

Make check payable to: **GSA Foundation**

Mail: **GSA Foundation, P.O. Box 9140, Boulder, CO 80301**

MEMBERSHIP IN THE INTERNATIONAL ASSOCIATION OF ENGINEERING GEOLOGY

The International Association of Engineering Geology (IAEG) invites you to become a member. The Association publishes a semiannual journal - *Bulletin of the International Association of Engineering Geology* - and sponsors field excursions and symposia on timely topics worldwide. The recent addition of an editorial board to the *Bulletin* qualifies it as a "refereed journal."

The U. S. Committee for IAEG represents U. S. interests in the international group and serves as a liaison. Membership in the U. S. Committee for IAEG and IAEG costs \$18/year and includes the *Bulletin* and periodic newsletters on worldwide activities in engineering geology.

If you are interested, please complete this form, make check payable to the U. S. Committee for IAEG, and send it to Roger Ilsley, STS Consultants, Ltd., 11425 West Lake Drive, Milwaukee, Wisconsin 53224.

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Annual dues are \$18.00 U.S., payable to the U.S. Committee for IAEG. If interested, please complete the membership form below.

Block letters, please

Last name _____

First name _____

Address _____

The following are optional:

Date & place of birth _____

Title _____

Function _____

Bulletin will be sent to address specified above

Applies for membership in the IAEG as an individual member ☐

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Milwaukee, Wisconsin 53224

Annual Membership Subscription:

Individual Members.....\$18.00 U.S.

Associate Members.....\$60.00 U.S.

signature of applicant

date

NOMINATIONS FOR THE 1993

RICHARD H. JAHNS DISTINGUISHED LECTURESHIP IN ENGINEERING GEOLOGY

The Richard H. Jahns Distinguished Lecture Series in Engineering Geology was established jointly in 1988 by the Engineering Geology Division and the Association of Engineering Geologists. The lectureship was named in honor of Professor Richard H. Jahns, noted researcher, consultant, and leader in engineering geology. The purpose of the lectureship is to increase awareness of students at institutions of higher education in regard to careers in engineering geology.

Past Jahns lecturers and the titles of their presentations have been:

- 1989 - James E. Slosson
"Challenges and Opportunities in Engineering Geology"
- 1990 - Robert L. Schuster
"Landslide Dams: a Worldwide Geologic Hazard"
- 1991- Ellis L. Krinitzsky
"Expert Opinion and Probability of Earthquakes"

The 1992 Richard H. Jahns Distinguished Lecturer in Engineering Geology is Professor Barry Voight, Department of Geosciences, Pennsylvania State University. The title of Barry's presentation is "Predictions in Engineering Geology: Capabilities for Landslide and Volcanic Hazards."

The topics for the Jahns Lectures alternate between research in even years and practice in odd years. Thus, the 1993 lecture will be "practice-oriented." GSA and AEG at this time are soliciting nominations for the 1993 Jahns Lectureship.

If you know of someone whom you feel would be especially qualified to present a series of lectures to university students on a practice-oriented topic, by **June 15, 1992** please forward (by mail, telephone, or FAX) his/her name by to:

Robert L. Schuster, Chairman
1993 Jahns Distinguished Lecture Committee
c/o U. S. Geological Survey
Box 15046
Mail Stop 966
Denver, Colorado 80225
Phone: 303/273-8617
FAX: 303/273-8600.

WHAT THE MEMBERS ARE SAYING

THE REST OF THE STORY...

In the February 1992 issue we printed in "What the Member's Are Saying" section a letter from Allen F. Agnew concerning Krinitzsky's "Faults in the System." The problem is that only a portion of the letter was printed. Here is the rest of the letter...

"He said, cogently, that the Attorney General's Office and the administrative law judge must participate no matter how long it takes, and that there needs to be a provision for appeal."

Krinitzsky is right, on all counts. Unfortunately, he missed an important word in both bulleted paragraphs in Hempen's letter—

which he quoted—the word "some." Not all, just some.

Some complaints could be, and should be handled by the Board itself, we found in Oregon—such as inadvertent (or deliberate) misadvertising. The Board's notification to the perpetrator of his error, citing the law and rules and regulations and the penalties should speedily bring resolution of some minor complaints. If not, then the Board could turn to the legal process that Hempen and Krinitzsky and I all agree is necessary in order to protect the right of the person accused while at the same time protecting the public, as we have done in Oregon.