

2004 Annual Report

GSA Engineering Geology Division

February 2005

William C. Haneberg, 2004 EGD Chair

with contributions from

Robert Fakundiny, 2004 EGD Vice-Chair

Susan H. Cannon, 2004 EGD Secretary

Business Meeting

The division held its annual business meeting on November 7, 2004 in conjunction with the society's annual meeting in Denver. A meeting agenda and draft minutes, which will be brought forward for acceptance at the 2005 business meeting, are appended to this report.

Finances

The division account report provided by GSA and dated September 30, 2004 shows dues income of \$784.25 and expenses (including postage, shipping, printing, and awards purchased) of \$653.79 for the previous three months. Division net assets are \$12,125.52. Net Assets decreased by \$2,815.41 between September 30, 2003 and September 30, 2004, in large part because of a \$5000.00 transfer to the Jahns Fund.

According to the same report, the Jahns Fund contained assets of \$35,778 as of September 30, 2004. This includes \$5,000 transferred from the general division account in early 2004, which was necessary because interest income was not sufficient to meet the division's commitment to provide travel reimbursement funds to the Jahns lecturer. The fund net assets increased by \$12,613.00 between September 30, 2003 and September 30, 2004 (including the \$5000 transfer).

As of September 30, 2004, the Shlemon Fund had net assets of \$128,115. The net assets increased by \$12,019.00 between September 30, 2003 and September 30, 2004.

GSA Committees

Division member Paul Santi filled the division's rotating slot on the GSA External Awards Committee during 2004. Vice-chair Bob Fakundiny and secretary Sue Cannon were the division's representatives on the annual meeting Joint Technical Program Committee. Division chair Bill Haneberg was appointed to the GSA Professional

Development Committee and continued to serve as a GSA representative on the editorial policy board of *Environmental & Engineering Geosciences*, which is published jointly by GSA and the Association of Engineering Geologists.

EGD Committees

The division maintains a number of standing and rotating committees to promote engineering geology within GSA and in universities. EGD committee membership for 2004 was:

- ? **Division Publications Committee**
 - o Charles Welby, chair

- ? **Division Newsletter**
 - o Jerry DeGraff, editor

- ? **Division Web Site**
 - o Robert Larson, webmaster

- ? **E.B. Burwell, Jr. Award Committee**
 - o Michele Cooke (2004-2006)
 - o Larry Gatto (2003-2005)
 - o Syed E. Hasan (2002-2004)
 - o John Jens (2003-2005)
 - o Edmund Medley (2004-2006)
 - o Norman Levine, Chair (2002-2004)

- ? **Richard H. Jahns Distinguished Lecturer Committee**
 - o Robert H. Fakundiny
 - o William C. Haneberg, chair
 - o David Simon (AEG representative)
 - o David Bieber (AEG representative)

- ? **Roy J. Shlemon Scholarship Awards Committee**
 - o Scott Burns
 - o Jerome V. DeGraff
 - o Betsy Mathieson
 - o Roy J. Shlemon
 - o Robert A. Larson, Chair

- ? **Division Awards Committee**
 - o Susan H. Cannon
 - o Judy Ehlen
 - o Robert H. Fakundiny
 - o Syed E. Hasan
 - o William C. Haneberg, chair

- ? **Nominations Committee**
 - o Duane Eversoll
 - o Robert A. Larson
 - o Terry West
 - o Judy Ehlen, chair

- ? **University Liason Committee**
 - o Robert H. Fakundiny (Engineering Geology)
 - o Susan Cannon (Engineering Geology)
 - o Helen Delano (Environmental Geosciences)

- ? **Student Paper Awards Committee**
 - o Terry West
 - o Robert Fakundiny
 - o Scott Burns

EGD Awards

Each year the division presents three awards that recognize outstanding contributions to the science, profession, and division. The distinguished practice and meritorious service awards are self-explanatory. The Burwell award is presented to the authors of an outstanding publication in engineering geology or a related field during the previous five years. The awards for 2004, which were presented at the division luncheon in Denver, were:

- ? *Distinguished Practice Award*: Jerome V. DeGraff

- ? *Meritorious Service Award*: Vincent Cronin

- ? *E.B. Burwell, Jr. Award*: John W. Bell, Falk Amelung, Alan R. Ramelli, and Geoff Blewitt for their paper "Land Subsidence in Las Vegas, Nevada, 1935 - 2000: New Geodetic Data Show Evolution, Revised Spatial Patterns, and Reduced Rates", which was published in the August 2002 issue of *Environmental & Engineering Geoscience*.

Shlemon Scholarships

The division uses the Roy J. Shlemon Scholarship Fund to help defray the cost of student travel to GSA meetings and support graduate student research. The Shlemon scholarship recipients for 2004 were:

- ? Meeting Awards
 - o Mimi Diaz (\$233)
 - o Carl J. Pierce, Jr. (\$628)

- Benjamin Siwiec (\$433)
- ? Research Awards
- Tina Gammil, Baylor University (1st Place, Doctoral, \$1000, Research topic: Reconnaissance for active faults in the central Santa Monica Mountains, California, using structural terrain analysis of DEM's and aerial imagery, supported by fieldwork)
 - Carl J. Pierce, Jr., Texas A&M University (2nd Place, Doctoral, \$500, Research topic: Engineering Geophysical Investigation of Omaha Beach Battleground, France)
 - Soren Clark, Portland State University (\$1000, 1st Place, Masters, Research topic: Muddy Fork Debris Avalanche and Debris Flow, Mount Hood, Oregon: Characterization, Modeling, and Hazard Map Generation)

Ms. Gammil was unable to continue her graduate studies and returned her award.

Jahns Lectureship

The Engineering Geology Division and the Association of Engineering Geologists jointly sponsor the Richard H. Jahns Distinguished Lectureship, the objective of which is to commemorate the accomplishments of Professor Jahns and promote engineering geology through a series of lectures at academic institutions. Each year EGD contributes \$2500 to cover lecturer travel expenses plus approximately \$500 for annual meeting expenses, which is matched by an AEG contribution \$3000 to cover travel expenses.

The 2004 Jahns Lecturer was Dr. Jeffrey R. Keaton, a distinguished practitioner who is currently Vice President and Principal Engineering Geologist for AMEC Earth & Environmental. Dr. Keaton presented nearly 70 lectures to universities, community colleges, and professional groups. The titles of the lectures that he offered were "Engineering Geology Mapping in the Information Technology Age", "Earthquake Ground Motion for Design of the Hoover Dam Bypass Bridge", and "Soil Stratigraphy and Surface-Water Hydrology of Part of the Hualapai Valley, Mohave County, Arizona". The division is grateful for Dr. Keaton's generosity during his time as the Jahns lecturer. In addition to the time required to present so many lectures, he accrued some \$12,000 in travel expenses but, in keeping with the lectureship guidelines, asked that only half of that amount be reimbursed.

Each year's lecture is selected about nine months in advance in order to allow time for advertising and scheduling. The 2005 Jahns selection committee consisted of 2004 EGD chair Bill Haneberg and vice-chair Bob Fakundiny along with 2004 AEG President David Simon and vice-president David Bieber. After reviewing several

nominations, they selected Dr. Richard Iverson of the USGS Cascades Volcano Observatory. Dr. Iverson is an internationally recognized authority on the mechanics of landslides and debris flows, and will offer two lectures in 2005: “Dynamics of Debris Flows and Rock Avalanches” and “Long-Term Behavior of Slow-Moving Landslides: Measurements and Mechanics”.

Annual Meeting Program

For the second year in a row, EGD sponsored an annual meeting Pardee Symposium. The 2004 symposium, titled “Medical Geology” was chaired by management board member-at-large Syed Hasan, and included 10 papers.

In addition to the Pardee Symposium, EGD sponsored a dual poster and oral topical session titled “GIS, GPS, and Remote Sensing in Geologic Hazard Assessment”, chaired by Bill Haneberg and Norm Levine, in addition to general engineering geology discipline sessions chaired by Paul Santi and Abdul Shakoor. Several other EGD-sponsored topical sessions did not attract enough abstracts and were cancelled. Likewise, EGD sponsored short courses on ethical considerations and multi-temporal aerial photograph interpretation were cancelled because of low advance registration.

EGD also cooperated with topical session advocates to cosponsor several additional meeting topical sessions. These included “Hydrologic Impacts of Urbanization and Suburbanization on Water Resources” (with the Hydrogeology Division, “Geology in the National Forests—Stewardship, Education, and Research,” (cosponsored with the USDA Forest Service, Minerals and Geology Management Program), and “Geologic Mapping: Providing for Successful Water and Land Resource Planning” posters, with 52 posters.

In addition to sponsoring or co-sponsoring technical sessions, the division held its annual business meeting (described above) and luncheon in conjunction with the society’s annual meeting.

AGENDA

GSA Engineering Geology Division Management Board Meeting

November 7, 2004
Marriott Silverton Room

1. Approval of the 2003 EGD management board meeting minutes
2. Election results (Haneberg)
3. Treasurer's report (Cannon)
4. EGD/GSA committee appointments by chair (Haneberg)
 - a. Burwell
 - b. GSA external awards
5. EGD committee reports
 - a. Awards committee (Haneberg)
 - b. Annual meeting program and JTTC (Fakundiny)
 - c. Nominating committee (Ehlen)
 - d. Sectional meeting programs (Hasan)
 - e. Publications committee (Welby)
 - f. Newsletter (DeGraff)
 - g. Website (Larson)
 - h. Burwell committee (Levine)
 - i. Jahns lectureship committee (Haneberg)
 - j. Shlemon scholarship committee (Larson)
 - k. University liason committee (Burns)
 - l. Student paper awards committee (Burns)
6. 50th anniversary plaque (Larson)
7. GSA committee representative reports
 - a. External awards committee (Fakundiny)
 - b. Professional development committee (Haneberg)
 - c. Applied geology committee (Burns and/or Ehlen)
 - d. *E&EG* editorial policy board (Larson and/or Haneberg)
8. New Business
 - a. Division chairs meeting news
 - b. Tepel memorandum
 - c. Revision of Jahns lectureship rules
 - d. Revision of officer duties document
 - e. Proposed Reviews in Engineering Geology presentations
 - f. 2005 annual meeting and section meeting programs
9. Necrology
10. Adjourn

DRAFT MINUTES

2004 GSA Engineering Geology Division Management Board Meeting

12:30 pm, Sunday November 7, 2004
Marriott Silverton Room
Denver, Colorado

Chair Bill Haneberg called to order the 2004 Annual Meeting of the Engineering Geology Division of the Geological Society of America at 12:30 PM on Sunday, November 7, 2004. Present were Bill Haneberg, Robert Fakundiny, Sue Cannon, Syed Hasan, Paul Santi, Judy Ehlen, Jerry DeGraff, Terry West, Rob Larson, Norman Levine, John Keifer, Chuck Welby, Gary Ohlmacher, Scott Burns, Rex Baum, Jim Dawson and Cyril Galvin.

1. Approval of the 2003 EGD management board meeting minutes. After discussion, Judy Ehlen moved that the minutes be returned to the outgoing Secretary for corrections and finalization. The minutes will then be circulated to the Board by e-mail for acceptance voting. Bill Haneberg seconded the motion.

2. Election Results for the 2005 Management Board were presented by Bill Haneberg as follows: Chair Robert Fakundiny; Chair-elect Sue Cannon; Secretary/Treasurer Syed Hasan; Member-at-large Paul Santi.

3. Treasurer's Report was presented by Sue Cannon. The Division account report dated September 30, 2004 for the last 3 months shows Dues Income of \$784.25 and Expenses (including postage, shipping, printing and awards purchased) of \$653.79. Net Assets are \$12,125.52. Net Assets decreased by \$2,815.41 between September 30, 2003 and September 30, 2004. This decrease includes a \$5000.00 transfer to the Jahns Fund.

Jahns Fund: The report dated September 30, 2004 for the last 3 months shows Net Assets of \$35,778. This sum includes \$5,000 transferred from the Division account last year to compensate for inadequate principal. The fund Net Assets increased by \$12,613.00 between September 30, 2003 and September 30, 2004 (including the \$5k transfer).

Shlemon Scholarship Fund: The report dated September 30, 2004 for the last 3 months shows Net Assets of \$128,115. The fund Net Assets increased by \$12,019.00 between September 30, 2003 and September 30, 2004.

No action was taken on budgetary issues.

4a, b. EGD/GSA Committee Appointments reported by Bill Haneberg. Norm Levine has completed his turn as the chair of the Burwell award committee. Ed Medley and Michele Cook have been appointed to the committee for three year terms beginning in 2004. The Division Chair will appoint two new members to

replace Norm and Abdul Shakoor. Paul Santi has been nominated as a member for the GSA external awards committee.

5. EGD Committee Reports

5a. Awards Committee activities reported by Bill Haneberg. Jerry DeGraff will receive the Division's Distinguished Practice Award. Vince Cronin will receive the Meritorious Service Award. The Burwell Award went to John W. Bell, Falk Amelung, Alan R. Ramelli, and Geoff Blewitt for their paper, "Land Subsidence in Las Vegas, Nevada, 1935-2000: New Geodetic Data Show Evolution, Revised Spatial Patterns, and Reduced Rates," published in the August 2002 issue of *Environmental & Engineering Geoscience*.

5b. GSA annual program and the JTTC, reported by Robert Fakundiny. The Engineering Geology Division sponsored the Pardee Symposium "Medical Geology," which was chaired by Syed E. Hasan, and presented 10 papers. The Division also sponsored or cosponsored seven oral or poster sessions. See Attachment A for details.

Other papers and posters that had engineering geology topics, themes, or papers included 40 oral sessions with approximately 563 papers, and 11 poster sessions with 150 posters. Robert suggested that we need to find a way to sponsor more of these oral and poster presentations that have engineering geology relevance. GSA is reported to be reviewing the meeting organization procedure in the interest of some revamping, particularly in the interest of keeping abstracts within a discipline to which they were submitted, rather than going to the general pool if the session does not fill.

5c. Nominating Committee reported by Judy Ehlen. The committee consisted of Judy Ehlen (Chair), Terry West, Rob Larson, and Duane Eversoll. Six people were nominated for Member-at-Large. They are: Bridget Doyle, Betsy Mathieson, Paul Santi, Dave Rodgers, Ed Medley, and Greg Ohlmacher. Paul Santi was selected and agreed to serve. It was suggested that the names of the other nominees be passed to the 2005 Nominations Committee for consideration in the future.

5d. Sectional meeting programs, reported by Syed Hasan. Syed has found that abstract numbers have been decreasing. Combination Engineering Geology, Hydrogeology, and Environmental Sciences sessions were held, but no single Engineering Geology session occurred. Discussion ensued regarding the generation of abstracts for the Section meetings. It was proposed that a letter be sent to the chairs of the 2006 section meetings identifying the Member-at-large as a contact, with the intent that he assist in soliciting abstracts for Engineering Geology sessions. Contact with the AEG membership was also suggested to solicit proposals.

5e. Publications, reported by Chuck Welby. A Reviews in Engineering Geology volume *Humans as Geologic Agents*, edited by Judy Ehlen, Bill Haneberg and Rob Larson is in the mill. Jerry DeGraff is proceeding on a volume on *Understanding and Responding to Hazards*, which is scheduled for release in June of '06. Chuck described the procedure for proposal submittal and book publications. Proposals go to him, and he disseminates them to the board. A decision is made, and publication proceeds. The final manuscript is sent to Chuck for checking for format and completeness. Chuck requests a few weeks lead time for the final check.

5f. Newsletter, reported by Jerry DeGraff. Three issues were released on the web and by mail – in January, June and October of 2004. Only a small number of issues are being mailed, and Jerry suggests that we check with GSA's mailing list to confirm numbers. (P.S. Barb Mieras reported on 11/17/04 that \$400 was charged to EGD for printing & mailing costs during the thirteen months ending 6/30/04. In that time, four newsletters were sent, for a total of 3455 pages printed and a total of 624 paper newsletters mailed (average of 156 paper copies per newsletter).) Discussion ensued regarding the potential for using student help to mitigate these costs. This idea was deemed too difficult for GSA to work with, although GSA might consider the use of job programs/workshops. Jerry requested that any announcements or materials for inclusion be sent to him, and suggested that a general interest item on the lines of "Perspectives", an AEG product, might be well received. Additional ideas for contributions were raised, including technical reviews, meeting information, highlights and links to section meetings.

5g. Website, reported by Rob Larson. Rob reported that the EGD web site is up and running, although it has not been recently updated. Officers must send information to Rob if we want any changes to occur. Rob is also seeking student volunteers with an interest in web design to help out, and Scott Burns will get in touch with Rob regarding this possibility. Discussion regarding the possibility of updating the verbiage on Division activities, history and philosophy occurred. Rob suggested that the words being composed for the 50-year plaque could be used to update the website. Rob would like to see a short version on the web, and a longer version available for downloading. (See #6 below for additional action on this topic)

5h. Burwell Award, reported by Norm Levine. Norm reported that the Award is set for distribution John W. Bell, Falk Amelung, Alan R. Ramelli, and Geoff Blewitt for their paper, "Land Subsidence in Las Vegas, Nevada, 1935-2000: New Geodetic Data Show Evolution, Revised Spatial Patterns, and Reduced Rates," published in the August 2002 issue of *Environmental & Engineering Geoscience*. The website Norm has established for the committee is up and running. The website facilitates access to .pdf files of the nominated publications, so the committee can do their work well in advance of deadlines. Deadlines for nominations are 2/1/04, and a decision will be made by 4/1/04. Norm reports that

a good balance of expertise exists on the committee, with a good variation in backgrounds. Discussion as to how long Norm is obligated to serve as chair ensued, with the realization that he has done it for two years, and should thus be able to step down. Robert Fakundiny, the chair, will designate a chair for the committee and appoint two new members. Norm graciously agreed to keep the website running.

5i. The Jahns Lectureship Committee activities were reported on by Bill Haneberg. Jeff Keaton's tenure is ending, and Dick Iverson has been selected for the coming year. Jeff Keaton provided a record number of presentations. The committee for next year's selection will consist of Dave Simon, Dave Bieber (chair), Robert Fakundiny and Sue Cannon. The committee is looking for nominations, with possible consideration of candidates from east of the Mississippi.

5j. Shlemon Scholarship Committee activities were reported by Rob Larson. Rob briefly explained that this program was endowed by Rob Shlemon and provides scholarships to both Master's and PhD-level students. Funding can also be provided to attend a GSA short-course or field trip, and if this occurs, funding for meeting attendance can also be obtained. The number and amounts of awards provided depend on the fiscal strength of the fund. In the 2003 fiscal year, the fund disbursed \$1294 for the 2003 Meeting Awards, all for the GSA Annual Meeting, and \$2500 for 2004 Scholarship Awards. See Attachment B for specific information on the recipients. Jerry DeGraff makes contact with awardees to track progress and findings, and highlights these in the newsletter. Rob is working on developing a set of instructions with criteria and advertising.

We interrupted the scheduled events for a presentation by Rex Baum, USGS Landslide Hazards Program, on a proposal for a *Reviews in Engineering Geology* volume on *Landslides in Seattle*. The board had the opportunity to review a written proposal prior to the meeting. Rex discussed the USGS, University and Consulting company efforts in Seattle, and explained that they have resulted in a significant body of work. Rex discussed the advantages of a *Reviews in Engineering Geology* over a USGS series, which include timeliness, higher visibility and the opportunity for outside peer review. Presently 10 of the proposed chapters have either been released as Open-File Reports or are being written or in draft form. Rex will act as editor, with possible assistance from Lynn Highland and Jonathan Godt. The board reacted favorably to the proposal, and suggested that a call for papers be released in *GSA Today*, and that the GSA formatting guidelines be obtained.

Jim Dawson and Cyril Galvin then discussed their proposal for a *Reviews in Engineering Geology* volume on *Salvage Geology*. The board had the opportunity to review a written proposal prior to the meeting. This proposal came from a well-attended session on *Salvage Geology* that was held at the combined Northeast/Southeast section meeting in March 2004. The proposal includes

approximately 16 papers, and Jim and Cyril are confident they can assemble a very interesting volume. The board reacted favorably to the proposal, and Sue Cannon suggested the inclusion of a paper on geologic mapping following wildfires.

5k. University Liaison Committee activities were reported by Scott Burns. Scott provided the board with a printout of a database of faculty within the U.S. in the fields of Environmental and Engineering Geology that his students had compiled. The database has been made available to EGD, AEG, and ARMA.

5l. Student Awards Committee activities were also reported by Scott Burns. These prizes are awarded the EGD members who present talks or posters at the annual GSA meeting. 1st prize consists of \$100 and a Reviews in Engineering Geology volume, 2nd prize consists of \$50.00 and a Reviews in Engineering Geology volume. Discussion regarding the potential for increasing the number of awards led to the conclusion that if the numbers of good talks/posters warrants it, additional awards will be considered. Scott is working on drawing up a strategy to promote additional student involvement in the Division. Scott will send an announcement for these awards to Jerry DeGraff for inclusion in the EGD newsletter and GSA Today.

6. 50th Anniversary Plaque status reported by Rob Larson. For the plaque to be completed, and hung in GSA headquarters, a short history of the Division consisting of approximately 150 words (such that will fit in a 8x12 inch space with 14pt font) is needed. Dick Grey kindly offered to undertake the writing of this history. This paragraph can also be included on the Division website.

7. GSA committee representative reports

7a. External Awards Committee activities were reported by Robert Fakundiny.

7b. Professional development committee activities were reported by Bill Haneberg. Bill reported that the two short courses sponsored by the EGD for the annual meeting were cancelled due to lack of interest. Bill noted that very applied courses were those that filled, and the maximum price of a successful class was \$300. This suggests that for a class to be successful, the cost should be kept less than about \$250. Bill also noted that a change in GSA policy now allows for the teaching of courses that include commercial products (i.e. ArcGIS), which should open up additional EGD opportunities. Judy Ehlen indicated that ARMA has discussed providing a short course on rock engineering for the next annual meeting.

7c. Applied Geology Committee activities were reported by Scott Burns. This multi-disciplinary committee was formed to increase the connection between GSA and the applied geologic sciences community. The committee is an idea-

generating body with a focus on developing outreach concepts that would better link the GSA Divisions and Sections with professional societies. EGD representatives on the panel include Judy Ehlen, Greg Ohlmacher and Dick Grey, and the inaugural meeting is on November 8, 2004.

7d. E&EG Editorial Policy Board activities were reported by Rob Larson. This Board is tasked with the establishment of policies necessary for running the Journal, including instructions for authors and peer reviewers. The Journal is moving toward electronic publishing, aiming for the first issue of next year to be its first. Alan Fryer, the GSA editor, is staying on board to facilitate this transition. Abdul Shakoor will remain as the AEG/EGD editor for 3 more years.

8. New Business.

8a. Division Chairs meeting. This meeting is held in February, and Bill Haneberg attended. In the past year GSA has been able to significantly decrease its deficit. Membership is holding steady, although enlistment of new students and young professionals is decreasing. Discussion of strategies to enlist new student membership into the EGD ensued. Suggestions included textbook raffles at the luncheon, a student reception following the luncheon, and gifts of trinkets and books at an exhibit hall booth. The prospect of combining a booth with the new Geology and Public Policy Division was also discussed. Back to the Division Chairs meeting. JTPC procedures were discussed at length, and at the next February meeting decisions will be made to change the process. A new development is that now Divisions are able to get external sponsorships. Such sponsorship could conceivably provide support for student functions. Bob Fakindiny will pursue specifics of this change in policy.

8b. Tepel Memorandum. Bob Tepel recently contacted the Division regarding the 2006 IAEG meeting to be held in Nottingham, England. Bob is proposing a session on the Future of Engineering Geology, and was soliciting Division participation. Judy Ehlen will be attending the meeting, and other board members are encouraged to attend. The meeting and session will be announced at the EGD luncheon and in the newsletter.

8c. Revision of Jahns Lectureship Rules. In response to AEG having raised the level of support they are offering without consultation with the EGD, Rob Larson proposed the change that the lecturers apply separately to AEG and EGD for reimbursement. After extensive discussion, it was concluded that the misunderstanding was due to communication difficulties between the AEG and EGD boards, and since the Lectureship is under-funded as is, any increase in contribution that can be made should be encouraged. Thus, all contributions and claims for reimbursement should continue to go through GSA.

8d. Revision of officer duties document. Officers have expressed the need for documentation of specific duties for each position. Bill Haneberg will review the

existing document, and will send it onto board members for additional input and clarification.

8e. Proposed Reviews in Engineering Geology Presentations. These occurred earlier in the meeting.

8f. 2005 annual meeting and section meeting programs. Sue Cannon, as chair-elect, will serve as the EGD JTPC representative for the Salt Lake City meeting. The task involves promoting and encouraging the proposal and organization of sessions, and the encouragement of all organizers to be sure they have 12 participants. The deadline for session proposals in January 11, 2005. Numerous suggestions for sessions were put forth. These include the hydrocompaction of soils, Inter-mountain seismicity, Arid and semi-arid geotechnical issues, Effects of drought, Arsenic in basins, and Non-point source pollution. Bill Haneberg will pursue his New Mexico contacts for session organizers, Gary Christenson of the Utah Geologic Survey was identified as a potential organizer, and John Kiefer will pursue a EGD/Geology and Society Division combination session.

9. Necrology. Division necrology was read, and a moment of silence was observed for Robert F. Dill, John F. Ivey, Eugene W. Grutt, Jr., and S. Benedict Levin.

10. Adjournment. The meeting was adjourned at 4:55 pm

Respectfully submitted,
Susan H. Cannon, Secretary

Attachments:

A. Annual Program Report submitted by Robert Fakundiny

ANNUAL PROGRAM REPORT

The Engineering Geology Division sponsored the Pardee Symposium “Medical Geology,” which was chaired by Syed E. Hasan, and presented 10 papers.

The Division also sponsored or cosponsored “Hydrologic Impacts of Urbanization and Suburbanization on Water Resources” (with the Hydrogeology Division), chaired by Anne E. Carey, W. Berry Lyons, John E. McCray, and John M. Sharp, with 13 papers; “Engineering Geology” posters, which I presume we sponsored, with 6 posters; “GIS, GPS, and Remote Sensing in Geologic Hazard Assessment” posters, with 17 posters; “GIS, GPS, and Remote Sensing in Geologic Hazard Assessment,” chaired by William C. Haneberg and Norman S. Levine, with 12

papers; “Geology in the National Forests—Stewardship, Education, and Research,” (cosponsored with the USDA Forest Service, Minerals and Geology Management Program), and chaired by Joe T. Gurrieri, Andrew H. Rorick, and R. James Gauthier-Warinner, with 15 papers; “Engineering Geology,” (which I presume we sponsored), chaired by Paul M. Santi and Abdul Shakoor, with 7 papers; and “Geologic Mapping: Providing for Successful Water and Land Resource Planning” posters, with 52 posters.

Other papers and posters that had engineering geology topics, themes, or papers included 40 oral sessions with approximately 563 papers, and 11 poster sessions with 150 posters. Most of these sessions were sponsored or cosponsored by the Hydrogeology Division or other associated hydrogeology organizations.

We need to find a way to sponsor more of these oral and poster presentations that have engineering geology relevance. The difficulty lies in the short time span allowed for review of the thousands of papers submitted in the current approach.

Respectfully submitted,
Robert H. Fakundiny

B. Roy J. Shlemon Scholarship Fund for Engineering Geology
2004 Annual Report to EGD Management Board

Roy J. Shlemon Scholarship Fund for Engineering Geology

The Shlemon Fund provides two types of monetary awards, scholarship and meeting, to student members of the Engineering Geology Division. The operational goal of the Shlemon Fund is to only disburse interest and investment gain, not principle or contributions. Based on financial reports, the Shlemon Scholarship Committee decides each year on the amount of money available for awards, with Scholarship Awards taking precedence over Meeting Awards. Meeting awards are made for attending field trips or short courses at GSA Sectional or Annual meetings.

In the 2003 fiscal year, 7/1/03 to 7/1/04, the fund disbursed \$1294 for the 2003 Meeting Awards, all for the GSA Annual Meeting, and \$2500 for 2004 Scholarship Awards as follows:

Meeting Awards

Mimi Diaz	\$233
Carl J. Pierce, Jr.	\$628
Benjamin Siwiec	\$433

Scholarship Awards

Tina Gammil, Baylor University - 1st Place Doctorate level - \$1000

Research: Reconnaissance for active faults in the central Santa Monica Mountains, California, using structural terrain analysis of DEM's and aerial imagery, supported by fieldwork

Carl J. Pierce, Jr., Texas A&M University - 2nd Place Doctorate level - \$500

Research: Engineering Geophysical Investigation of Omaha Beach Battleground, France

Soren Clark, Portland State University - 1st Place Master's level - \$1000

Research: Muddy Fork Debris Avalanche and Debris Flow, Mount Hood, Oregon: Characterization, Modeling, and Hazard Map Generation

Unfortunately, Tina Gammil was unable to attend the University this year and returned her award.

Respectfully submitted November 2, 2004

Robert A. Larson

Chair

Shlemon Scholarship Committee