

Serving Professionals in Engineering, Environmental,  
and Ground Water Geology

OREGON SECTION

# NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

May 1997

VOLUME 97, NUMBER 5

## ***MAY MEETING:***

- Speaker:** Eldon Gath, AEG National President  
Principal Geologist, Leighton & Associates
- Title:** "Earthquake risk assessment at San Bernadino Valley  
College: hazard mitigation astride the San Jacinto  
Fault in Southern California
- Date:** Thursday, May 15, 1997
- Times:** 6:00 PM: Social Hour  
7:00 PM: Dinner  
8:00 PM: Talk
- Where:** McMenamins, Beaverton/Cedar Hills
- Cost/Menu:** \$10.00 Menu Selections: Chicken Extravaganza;  
High Pasta, Communication Breakdown Burger,  
Cheeseburger, Garden Burger (vegetarian)  
Note - please pay Diane for the beer (McMenamins bills us)
- Reservations:** Call receptionists at David Newton and Associates: 228-7718

### *Background on speaker:*

Eldon has been the president of the national AEG for the past year and has done a super job. He was in charge of the very difficult position of choosing the new executive director. He just

hosted the whole board at his house this past month in Los Angeles for an excellent barbecue. Until recently he has been a principal geologist with Leighton and Associates, one of the finest engineering geology firms in the nation. Now, he is president of a new subsidiary firm of Leighton and deals a lot in tectonic geomorphology and dating of faults. He has an impressive staff working for him. He received his BS degree in geology from the Institute of Technology at the University of Minnesota in 1978. He has also taken classes in engineering geology in the graduate program at Cal State Los Angeles. He is currently on a one-year leave of absence from the Ph.D. program in geology at the University of California at Riverside while he serves as AEG president. He and his lovely wife are avid volleyball players.

## *ABSTRACT*

San Bernadino Valley College (SBVC) was established in the late 1920's on an elevated ridge between the Santa Ana River and Lytle Creek floodplains. Severe flooding in the late 1930's appeared to validate the campus's site selection. Unfortunately, it was soon recognized that the ridge is an uplifted pressure ridge along the San Jacinto fault (SJF), one of the most active (10-12 mm/yr) right lateral strike-slip faults in southern California. No known earthquakes are known to have occurred on this segment of the SJF in the nearly 200 years of historical record so over two meters of strain accumulation are available for coseismic release. Eldon led the extensive geologic investigation of the campus to assess the severe earthquake hazard at SBVC. Based on their study and earthquake probability a risk-based process is being developed to prioritize planning decisions about the campus.

## *Message from the Chair:*

This is our last meeting until the fall. Come and celebrate the end of the meeting year for us. Meet Eldon Gath, the dynamic president of AEG. He is an excellent speaker so you should enjoy his talk. Be sure to put our meeting on September 18th when Mark Darienzo and Roger Redfern will talk about an interesting case history on the Clackamas River. We will also be giving out awards for the authors and editors for our case histories book. It will be the last meeting before the national meeting the first week of October. Be sure to attend.

I am excited because the book will be turned into the publisher on Friday, May 9th. It should be available by the national meeting in late September. Last month's meeting had another great turnout of 55 to hear Brian Atwater talk about large quakes in the Pacific Northwest. It would be fun to have that many people come hear Eldon speak.

I encourage all of you to submit an abstract for the national meeting to Julie Keaton (information below). We should have over 50 papers from the Oregon section at the national meeting. This is your chance to toot your horn! Everyone has a great summer field season. I head to New Zealand on May 16 for two months on my sabbatical. I will be back for four days in mid-July, and then I am off to Switzerland to teach for Stanford as I do each summer. I will be back in Oregon after August 10th. I need a break after spending most of my sabbatical on the book - many long hours for five months have not endeared me to my family - time to make up for it. Have a super summer!

Scott Burns, Oregon Chair

# **AEG Case Histories Book:**

The book goes to the publisher on Friday, May 9th. I am very excited because so many people have responded so well. There are many, many fine articles! It will be a great book to purchase. It should be finished by the national meeting. There are 71 articles written by 88 authors from 28 consulting firms, 9 agencies, and two universities. The book should be about 750 pages long. I encourage all authors to give a talk on your paper at the national meeting in the fall. The abstracts for the meeting are due by May 15th. See the information below. Galley proofs will be coming back here in June so authors be ready to review your articles.

Scott Burns, Editor

## ***UPDATE OF NEWS FROM "NATIONAL AEG"***

Below are some of the high points from the Mid Year Board meeting of the AEG that was held in Los Angeles April 19-20:

1) Norm Tilford was appointed the new executive director of AEG. He was selected from a field of nine candidates. Norm will be part time since he is a professor at Texas A&M University. His appointment is for three years at which time AEG will search for a permanent director. The selection committee spent many hours in making the decision.

2) Results of the New Jersey national meeting: Only 117 registrants along with 22 exhibitors and 36 spouses. It lost \$9835. (The meeting the year before in Sacramento made \$27,000). For fiscal year 1996 a surplus of \$4000 is projected. The budget for next fiscal year is \$429,526 which will give a projected surplus of \$8000.

3) Membership is up over last year from 3115 to 3200+ (still coming in).

4) The president of AEG has stated his concern that fewer and fewer universities are teaching engineering geology.

5) Art Stucke has been nominated for the new national secretary.

6) It is planned that the national meeting in 2001 will be a joint one with AIPG and possibly will be in St. Louis. This will be a good mix since AEG meetings tend to have mainly technical papers and AIPG has mainly registration/professional papers.

7) Other national meetings coming up are Seattle, Salt Lake City, and San Jose.

8) News from other sections: Two sections have student paper competitions; one has an adopt-a-school program; Reno has six new corporate sponsors; three states are close to gaining registration (Texas, Kansas, and Illinois); one section is video conferencing their meetings to cities far away from the meeting place.

**ABSTRACTS DUE MAY 15  
FOR THE NATIONAL AEG MEETING:**

Do you have a good case history that you would like to present as a talk or a poster? I encourage all members of the Oregon section to think about it. Submit an abstract and give a talk at the national meeting this coming fall!!!! All you have to do is to submit a 250 word abstract to Julie Keaton before the 15th. You can mail it to her or better yet, E-mail it. All authors of the book should have a ready-made talk to present at the meeting (use your book article!)

***Short news items:***

1) Check out AEG on the WEB: <http://geoweb.tamu.edu/aeg/>

2) Check out the Web Page for the Student Chapter at Portland State:

<http://www.geol.pdx.edu/AEG>

3) Need talks for next year: Are you interested in giving a talk to AEG on some work you have done? We have six slots open for next year and am looking for volunteers. Maybe some of you authors might be interested in giving a talk on your paper if it is not presented at the national meeting. Good luck! Contact Scott Burns, 725-3389.

4) New Members: We welcome the following five new members - all students at Portland State University:

- A) Carrie White - undergraduate
- B) Jason Mulkey - undergraduate
- C) Brooke Fiedorowicz - graduate student working with Curt Peterson
- D) Jason Hinkle - graduate student working with Scott Burns
- E) Shawn Eisner - graduate student working with Ansel Johnson

5) Marty Stout Scholarship: Students, apply for the Marty Stout scholarship! The deadline is July 15. It is for students interested in engineering geology. See Scott Burns, 725-3389 for information.

**OREGON MEMBER BECOMES  
HONORARY MEMBER OF AEG:**

There are only 15 honorary members of AEG. The Oregon section has two of them! Doug Williamson became an honorary member at the national meeting a couple of years ago in Sacramento. This past national meeting in New Jersey, Jasper Holland also became an honorary member.

Jasper Holland was born in 1919 in Grandfield, Oklahoma. He served in the Marine Corps in World War II and was injured in action. He received his B.S. and M.S. degrees in geology from Texas Christian University in 1950 and 1954 respectively. He has been married to wife Bessie for 56 years, and they have six children, 14 grandchildren and eight great

grandchildren. From 1950 to 1955 he worked for the Soil Conservation Service (SCS) in Texas primarily on flood control dams, collapsible soils and engineering geology. With Victor Jones, he developed the first engineering geology handbook for the SCS. From 1955 to 1978, when he retired, he worked as the regional geologist for the Western Technical Center of SCS in Portland, Oregon. He continued his work on earth dams and collapsible soils. He also started the geologist in training program for SCS while in Portland. In 1965 he helped found the Oregon section of AEG and was the second chair of the section in 1966. He was on the organizational committee with Herb Schlicker for registration of geologists in Oregon in 1970. He was co-chair of the national AEG meeting in Portland in 1971 and was on the organizational committee for the 1981 national meeting in Portland. He was national president of AEG in 1976 and became one of 15 honorary members of AEG in 1996. Jasper's influence on engineering geology has been important, and he is still active today. At the age of 78 Jasper still attends our monthly AEG meetings and is always interested in helping all young engineering geologists.

Be sure to meet Jasper at our meetings if you haven't already!

### *LOCAL NEWS:*

I was down at Hong West last week and found that Kent Mathiot had left EMCON and was now working for them. Good luck Kent!

### *"AEG" CALENDAR:*

- |                            |  |
|----------------------------|--|
| May 15:                    | Eldon Gath, President of National AEG, "Seismic Hazard Investigation of the San Jacinto Fault through the San Bernadino Valley College" at McMenamins in Beaverton   |
| May 15:                    | Abstracts due for national meeting in Portland   |
| August 18-22               | NW Geotechnical Workshop, Boise, Idaho   |
| September 18:              | Mark Darienzo and Roger Redfern, Channel changes on the Clackamas River due to the great flood of 1996 and floodplain gravel mining; We will also have an awards ceremony for the AEG book to authors and editors. |
| September 29-<br>October 4 | National AEG meeting at the Hilton Hotel in Portland   |



**PORTLAND, OREGON**

Serving Professionals in Engineering, Environmental and Ground Water Geology

## Call for Technical Papers and Exhibitors

For The 1997 AEG Annual Meeting  
Hosted by the Oregon Section

### Paper and Poster Presentation Topics:

Field and Laboratory Testing Developments	Environmental Investigations / Clean Ups
Landslides and Slope Stability	Ground Water Investigations / Modeling
Seismic Hazards and Remediation	Risk Based Assessment
Coastal Engineering	Landfill Technology
Transportation Geology	Stream Restoration
General Engineering Geology Topics	Fluvial Geomorphology

Topics other than the above suggestions will be considered. Presentations based on case histories are encouraged. Presentations will be limited to 20 minutes each. Poster session will be provided during the exhibitors luncheon. Abstracts should be no longer than 250 words and should be sent to the address listed below.

Abstract Submittals Due May 15, 1997, E-mail preferred: [aegjuliek@aol.com](mailto:aegjuliek@aol.com)  
or mail with disk to:

**AEG'97 c/o Julie Keaton**  
130 Yucca Drive  
Sedona, AZ 86336-3222  
(520) 204-1553 Fax (520) 204-5597

### Exhibits:

Exhibitors spaces will be provided for at least 28 booths (more space available, located in Prime Exposure Ballroom. Each booth will include a table and chairs, pipe and draped 8x10 space. A brief description of the exhibit and any special requirements should be sent to the exhibitor committee chair shown below. We can accommodate small vehicle sized equipment.

### Committee Chairs:

Gary Peterson, Chairman, Annual Meeting, inquiries and general information  
(503) 635-4419 E-mail: [garyp@squier.com](mailto:garyp@squier.com)  
Ed Stearns, Chairman, Technical Sessions  
(503) 661-0462 E-mail: [73564.3251@compuserve.com](mailto:73564.3251@compuserve.com)  
Dave Michael, Chairman, Exhibitors and Sponsors  
(503) 359-7448 E-mail: [dave.l.michael@state.or.us](mailto:dave.l.michael@state.or.us)

**AEG 97** 40th Annual Meeting, September 30-October 4, 1997

**Gary Peterson**  
CHAIR  
(503) 635-4419

**Ed Stearns**  
TECHNICAL PROGRAM  
(503) 661-0462

**Mel Mel Wang**  
SYMPOSIA  
(503) 731-4100

**Mark Darlenzo**  
SHORT COURSES  
(503) 735-4068

**Sue D'Agness**  
FINANCE  
(541) 957-3595

**Tom Kuper**  
FIELD TRIPS  
(503) 228-7718

**Dave Michael**  
EXHIBITORS  
(503) 357-2191

# "AEG - OFFICERS"

1996 - 1998

(\* - means area code 541)

(N.M. - means National Meeting)

Position	Name	Telephone Daytime	Home	FAX
Chair	Scott Burns	725-3389	692-9618	725-3025
Chair-Elect	Dave Michael	359-7448	357-0238	357-4548
Newsletter	"			
Secretary	Charlie Hammond	452-1100	274-1437	452-1528
Treasurer	Diane Murbach	228-7718	538-8352	228-7781
Past Chair	Sue D'Agnese	*957-3595	*673-1797	*957-3604
N.M. Treasurer	"			
Membership	Ed Stearns		661-0462	
N.M. Tech. Sessions	"			
N.M. Chair	Gary Peterson	635-4419	697-3100	635-1430
N.M. Field Trips	T & D Kuper	228-7718	638-9722	228-7781
N.M. Publicity	Ken Walsh		652-6107	833-6844
N.M.Short Courses	Mei-Mei Wang	731-4100		731-4066

## MEMBERSHIP

*For application forms for Membership in the National AEG, call Ed Stearns who is our membership chair at 661-0462 (h). He will also have copies at the monthly meetings. Membership is on a calendar year basis. Starting this year, if you are a national member, they will collect our local dues of \$10 which just covers our newsletter costs. If you would like to subscribe to the local newsletter (comes out 9 times a year) without being a national member, fill out the form below and mail to Charles Hammond. Note: the following form is only for people and organizations who wish to subscribe to the Oregon AEG Newsletter without being members of the national AEG.*

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### APPLICATION FOR LOCAL MEMBERSHIP IN OREGON SECTION, AEG:

NAME \_\_\_\_\_

AFFILIATION: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

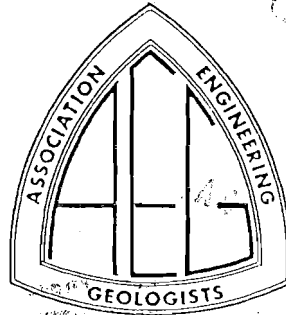
TELEPHONE: \_\_\_\_\_

Mail form and \$10 to Diane Murbach, David Newton & Associates, 1201 SW 12th. Ave. Suite 400, Portland, OR 97205.

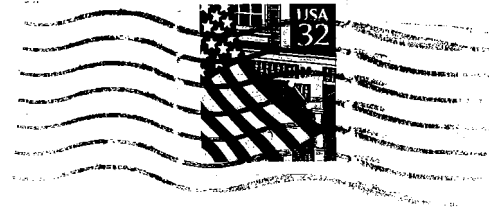
# ANNOUNCEMENT OF OUR NEXT EXCITING MEETING

MAY 15, 1997

## AEG



Dave Michael, Editor  
Oregon Chapter, AEG  
c/o ODF NWOA  
801 Gales Creek Rd.  
Forest Grove, OR 97116



MAY - 9 1997

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Portland, OR 97223-5460