

Serving Professionals in Engineering, Environmental,
and Ground Water Geology

OREGON SECTION

NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

Dec. 1996

VOLUME 96, NUMBER 12

DECEMBER MEETING:

Speaker: Audrey Eldridge, R.P.G.,
Hydrogeologist, Western Region Solid Waste
Oregon DEQ, Medford, Oregon

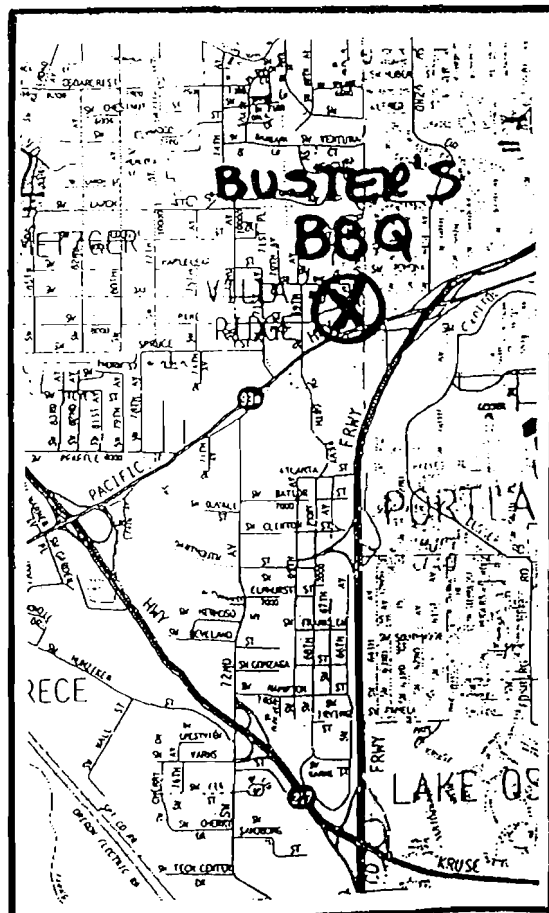
Title: *"Specialty Registration of Hydrogeologists in Oregon?"*

Date: Thursday, December 19, 1996

Times: 6:00 PM: Social Hour
7:00 PM: Dinner
8:00 PM: Talk

Location: Busters Barbecue, Banquet Room
11419 SW Pacific Highway
Tigard, Oregon

(Located on the north side of highway 99 at I-5)



Menu:

Buffet Style \$10.00

**Do not call in choice to AEG, just pick up your choice
In the buffet line at the meeting**

Choose 1 of the following barbecue meats:

- 1. Beef Brisket**
- 2. Pork Spare Ribs**
- 3. Fresh Turkey Breast**
- 4. Beef Ribs**
- 5. Chicken Half**
- 6. Link Sausage**
- 7. Orange Glazed Ham**

Choose 2 of the following side orders:

- * Baked Potato**
- * BBQ Beans**
- * Pinto Beans**
- * Cole Slaw**
- * Potato Salad**
- * French Fries**
- * Green Salad**

**Drinks: Purchase you own separately either from the bar
Or in the buffet line**

Reservations:

Call receptionists at David Newton and Associates: 228-7718.

Background on speakers:

Audrey received her BA in geology from the University of Massachusetts and her MS in Earth Sciences from the University of New Hampshire. After working for the D.E.P. in Massachusetts in site assessment for six years, she moved to Oregon where she started working for Oregon DEQ. She has been with the Solid Waste Program for five years - two years in Portland and two years in Medford. She is also on the Oregon Board of Geology Examiners. She has two children, two grandchildren, two cats and a dog. She loves Oregon, especially the countryside! Welcome back to Portland!

ABSTRACT

Protection of the limited groundwater resource in Oregon is becoming more critical each year. Do we need to have geologists certified to work in the hydrogeology area? California already has a specialty exam for geologists who want to practice in that area. Does Oregon need this exam? The State Board of Examiners has established a subcommittee in August of 1996 to investigate this possibility. Audrey Eldridge is in charge of this committee. After summarizing the background to this problem, Audrey will tell where the committee is on this important topic. She will solicit input from AEG members. Do we need another exam? Come and give your two bits!

Message from the Chair:

Many thanks to all of you who came to our meeting this past month to hear Doyle Wilson. It was great to see the room packed. Remember that if you cannot afford the dinner, be sure to come at 8:00 PM for the program. I know that this is a very busy time of the year, but if you can come to our meeting this month, I encourage you to do it. Audrey Eldridge is going to be talking about the possibility of a separate registration for hydrogeologists in Oregon. California has already done this. The state board is looking for input from us. She will open the floor up for your input!

Both the AEG Case Histories book and the National Meeting Committees are busy. Both will meet at PSU on December 10th. This will be a busy year! I have added two more speakers to the calendar (see it at the end of the newsletter). Eldon Gath, our national president, will be coming here in May. He is one of the top consulting earthquake geologists on the west coast. You will enjoy him - he is a talented and fun guy. Our combined meeting with ASCE is planned, and we have Dr. James Gould from New York (past Terzaghi National Lecturer) coming to talk to us.

I have added a couple of new features to the newsletter this month. I will list all of the new members each month - something we have not done in a long time. Many thanks to all of our new members! I also have put in some job announcements - we will list any jobs (free of charge) in our newsletter. I also listed the courses at Portland State in the applied geology and geotechnical engineering area.

All of the officers for the section would like to wish all of you a special holiday season! From me, I would love to wish all of you a Merry Christmas and a Happy New Year!

Scott Burns, Section Chair

AEG Case Histories Book:

The next editors meeting will be December 10th at PSU from 5:30 - 6:30 PM. So far we have 23 of 74 articles turned in. This is the month we are pushing for the articles to be submitted. All is set with the publisher and our editors and we are moving! If you are working on your article, try to turn it in this month. We need to have at least two people review the paper. I will start my sabbatical on December 15th and will spend the first two and a half months on the book full time. Remember the final deadline from the publisher is February 28th! Below is a list of the deadlines:

- | | | |
|----|-------------------|--|
| a) | December 16, 1996 | First Drafts of all Papers turned into chapter editors (paper copy only needed) |
| b) | January 6, 1996 | Chapter Editor Review Articles due |
| c) | February 28, 1997 | Final versions of papers returned to Scott Burns (paper copy and disk in preferably Word or WordPerfect along with camera ready figures) - we will send in the whole package to the publisher then; This is the DROP DEAD DEADLINE! |
| d) | March/April/May | Publisher returns galley proofs to authors for final evaluation |

Scott Burns, Editor

Short news items:

1) **Last Month's Meeting:** Many thanks for the great turnout to hear Doyle Wilson talk about the Tualatin Valley. We had 45 attend the meeting - our largest attendance of the year! We also had many positive comments about the meeting place - Buster's Barbecue. People enjoyed the price, the quiet meeting room, the easy parking, the accessibility of the site, and the proximity of the meeting room to the bar. We will be meeting there this month.

2) **We need photos:** This year we get to have the cover photo for the AEG membership directory and the AEG News about the national meeting in Portland. AEG has asked for photos. Here is your chance to get a favorite photo that you have published. Contact Scott Burns, 725-3389 for details. Bring a slide or print to the next meeting. They need these this month. We also will need cover photos for the AEG Case Histories book.

3) **Special Vote at last month's meeting:** For the national meeting this coming year in Portland, the local committee is entitled to nominate an engineering geology project in the region for the top engineering geology project of the year for the United States. The organizational committee has selected the West Side Light Rail Tunnel Project as its nomination. We voted on it at the meeting and the selection as 44-1 in favor of the project. A special presentation of the award to the project will be made at the opening ceremony of the national meeting next fall. We will have all of the dignitaries from Portland at the meeting.

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

5) **Job Opening:** Since Matthew Mabee has left, Portland State University is looking for someone to teach our two courses in seismic site evaluation/seismology and earthquake design engineering. If anyone is interested in teaching one or both of these courses as an adjunct, please contact either Scott Burns (725-3389) or Trevor Smith (725-3225).

6) **Job Opening at DOGAMI:** "Earthquake Geotechnical Specialist"

The Oregon Department of Geology and Mineral Industries (DOGAMI) seeks to hire an earthquake geotechnical specialist to participate in earthquake hazard reduction efforts. Preferred qualifications include a master's degree in geotechnical engineering or engineering geology, substantial industry experience, professional registration in engineering or engineering geology, and excellent computer abilities. Work will entail seismic ground response analyses, liquefaction analyses, use of geographical information systems and other computer applications, subsurface exploration (drilling, seismic cone penetrometer soundings, writing and managing contracts), report writing, and technology transfer to a diverse audience. Applicants must have proven ability in many of the specific topics listed above. Excellent team skills and skill in written and oral communication with technical and nontechnical audiences are necessary.

This position will be based in Portland, Oregon and involve some travel. It will commence in mid-1997. Salary will be commensurate with experience and includes an excellent benefit package. Negotiation will start at about \$3300 per month. DOGAMI is an equal opportunity employer.

Send resume and cover letter by January 30, 1997 to Mei Mei Wang, Director of Earthquake Programs, DOGAMI, 800 NE Oregon Street, #28, Portland, Oregon 97232-

2162. Application package with an explanation of the hiring process will be provided upon receipt of your information.

7) AEG to Receive Money from GSA: Last spring our chapter helped sponsor the GSA Cordilleran Section meeting in Portland. The conference made money and we will receive about \$300 from the receipts. The exact amount is being calculated right now.

8) News from the Board of Geologist Examiners: The next meeting of the board will be in Portland on December 9th at the DOGAMI offices. The board is looking for volunteers to proctor both the CEG and RG exams which will both be on April 18, 1996 in Salem. The telephone number for the board is 503-378-4180.

9) New members: We would love to welcome these new members who have joined AEG in the past three months:

a) Dan Gilroy (Student)	-	Portland State University
b) William Thompson (Student)	-	Portland State University
c) David James (Student)	-	Portland State University
d) Erik Rorem (Affiliated)	-	Brugg Cable, Vancouver
e) Bill Leonard (Member)	-	AGRA Earth and Environmental
f) Warren Krager (Member)	-	AGRA Earth and Environmental
g) Jack Biddle (Member)	-	Holladay Engineering, Ontario, OR
h) Andrew Harvey (Member)	-	Squier Associates
I) Doug Geller (Member)	-	Roger Smith Associates

10) Courses at Portland State University the AEG members might be interested in taking: Classes start January 7, 1996 and last 10 weeks. Easy registration. Call Scott Burns (725-3389 for details).

1) Geol 510	Physical Hydrology	TTh, 16:00-17:50	Yeakley, J
2) Geol 510	Debris Flows	T, 18:40-21:20	Pierson, T.
3) Geol 518	Clay Mineralogy	MW, 16:00-17:15	Cummings
4) Geol 544	Well Dynamics	TTh, 16:40-18:30	Johnson, A.
5) Geol 548	Chemical Hydrogeology	M, 18:40-21:20	Nelson, D.
6) Geol 523	Computer Apps in Geol	MWF, 11:30-12:20	Cruikshank
7) Geol 595	Geomechanics	TTh, 8:00-9:50	Cruikshank
8) Geog 588	Geographic Info Systems	TTh, 14:00-15:40	Vrana
9) CE 510	Urban Hydrology	MW, 16:00-17:50	Crawford
0) CE 541	InSitu Soil Testing	TTh, 18:00-19:50	Spang
1) ESR 610	Ecological Toxicology	MW, 15:00-16:30	Foster

Note: The course Geol 510 on debris flows is being taught on a one-time basis by Dr. Tom Pierson of the USGS Cascade Volcano Observatory in Vancouver. Tom is an adjunct professor at PSU. He is one of the top five debris flow specialists in the world. He will discuss all hydrologic hazards associated with volcanoes, but will concentrate on lahars. He will concentrate on processes, hazard assessment, prediction, zonation, monitoring, warning, and mitigation. There will be some field work associated with the course.

"AEG - OFFICERS"

1996 - 1998

Position	Name	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

* - means area code 541

LOCAL NEWS:

Congratulations to David Newton and Associates! They celebrated their 10th anniversary this past month. Tom and Dorian Kuper who are principals in the company have been active in AEG for years. Diane Murbach, our section treasurer, also works there. We wish the company many more years of success!

Also a special welcome to Larry Growney who has returned to Oregon. He has been a member of the section for over five years. For the past three years he has been working at Hagermann National Fossil Beds National Monument in Idaho specializing in landslides there. He is now working for Sue D'Agnese and ODOT out of the Roseburg office. He started to work here during all of the landslides they had three weeks ago. Welcome home, Larry!

**Converging on
Cascadia**



PORTLAND, OREGON

Serving Professionals in Engineering, Environmental and Ground Water Geology

First Call for Technical Papers and Exhibitors

**For The 1997 AEG Annual Meeting
Hosted by the Oregon Section**

Paper and Poster Presentation Topics:

Coastal Engineering	Landslides and Slope Stability
Environmental Investigations	Seismic Hazards
Field and Laboratory Testing	Stream Restoration
Ground Water Investigations / Modeling	Fluvial Geomorphology
Water Supply Studies	Transportation Geology
Landfill Technology	General Engineering Geology Topics

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 should be sent to the address listed below.

**Abstract Submittals Due May 15, 1997, E-mail preferred: aegjuliek@aol.com
or mail 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
Ed Stearns, Chairman, Technical Sessions
(503) 661-0462 E-mail: 73564.3251@compuserve.com
Dave Michael, Chairman, Exhibitors and Sponsors
(503) 359-7448 E-mail: dave.l.michael@state.or.us

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

Gary Peterson
CHAIR

C. Ed Stearns
TECHNICAL PROGRAM

Mei Mei Wang
SHORT COURSES

Sue D'Agnes
FINANCE

Tom Kuper
FIELD TRIPS

Dave Michael
EXHIBITORS

“AEG” CALENDAR:

- December 19:** Audrey Eldridge, DEQ and member of the state board
“Certification of Hydrogeologists in Oregon??”
- January 16:** Roland French, “Electromagnetic Groundwater
Investigations”
- February 20:** Joint meeting ASCE/AEG: Red Lion Inn, Downtown
Dr. James P. Gould
Terzaghi Lecure: Geotechnology in Dispute resolution
- March 20:** Open
- April 17** Brian Atwater, “Probabilities of a Great Cascadian
Earthquake in the Next 100 Years - the Latest Updates”

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.

APPLICATION FOR LOCAL MEMBERSHIP IN OREGON SECTION, AEG:

NAME _____

AFFILIATION: _____

MAILING ADDRESS: _____

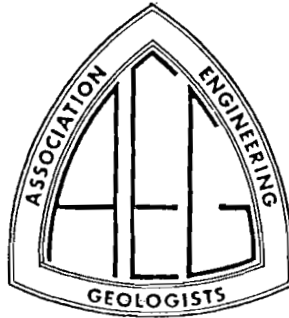
TELEPHONE: _____

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

December 19, 1996

AEG



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



DEC 13 1996

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10250 SW Greenburg Rd #111
Portland, OR 97223-5460