

Serving Professionals in Engineering, Environmental,
and Ground Water Geology

OREGON SECTION

NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

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JANUARY MEETING:

Speaker: ***Dr. Tom Pierson***, U.S. Geological Survey
Cascade Volcano Observatory, Vancouver, Washington

Title: "Updated geology and hazards assessment at Mt. Hood"

Date: ***Thursday, January 15, 1998***

Times: 6:00 PM Social Hour
7:00 PM Dinner
7:45 PM Awards Ceremony II for the new book
8:15 PM Talk

Where: ***McMenamins Brewpub***
2927 SW Cedar Hills Blvd.
Beaverton, Oregon

Menu: \$10/person; Chicken Extravaganza, High Pasta,
Communication Breakdown Burger, Cheeseburger,
Garden Burger

Reservation: Call the receptionist at David Newton and Assoc.,(503) 228-7718.

Background on speaker:

It is a real pleasure to have Tom Pierson come and talk to us. Tom received his BS degree in geology from Middlebury College in 1970 and his MS and Ph.D. degrees from 1972 and 1976. He spent a couple of years working in New Zealand for the Forest Research Institute before returning to the United States in 1980. He has been working with the U.S. Geological Survey since then. His official title with the survey is research hydrologist, but his specialty is mainly studying debris flows. He is one of the top researchers in the world on debris flows. In recent years he has expanded his research from debris flow processes to hazard assessments.

Abstract:

Mt. Hood is one of the main volcanoes we can see from Portland. One of the main volcanic hazards of Mt. Hood happens to be the debris flows (lahars) hence Tom's interest there. Tom has been working on Mt. Hood for the past few years with Willie Scott and Cynthia Gardner. All of them have made some major discoveries about the geology of Mt. Hood. Tom will be discussing the latest ideas about Mt. Hood, its geology, and its hazards. A new hazard map has been recently released on Mt. Hood. Tom will be discussing the map, the geology of Mt. Hood, and the hazards on the mountain.

Message from the Chair:

We had a super meeting last month with 45 people coming to hear Terry Jacques talk about the geoprobe. This was a super crowd for a December meeting! We also had fun with the awards for the new book, but the book copies did not arrive until the next day! Ouch! I invite all of you to this month's meeting to hear a great speaker, Tom Pierson, talk about Mt. Hood. We will also present the rest of the awards for the book to those authors and editors who could not make it to the December meeting. You can also see a real copy of the book - it looks super! Next month we will be meeting with the civil engineers downtown for our annual combined meeting. They have got an internationally famous speaker coming to talk to us (see the calendar at the end for details).

Last month I mentioned that our national director of AEG, Dr. Norman Tilford, had been lost in a private plane crash in Texas. After the biggest search and rescue effort in Texas state history turned up nothing, a couple of hunters found the plane on December 13 near Johnson City, Texas. A special memorial service will take place on January 17th in Hilltop Lakes, Texas for Norm. His loss has been great. Norm was a close friend. I knew him not only through AEG, but also worked with him in the engineering geology division of GSA and he was also an engineering geology professor at Texas A and M. I have sent a note to his wife, Debbie, from the Oregon section. I will also ask our Oregon section board to contribute to the scholarship fund set up in his name through the AEG Foundation. It will be used to support student fieldwork. In the mean time, Dr. Chris Mathewson has been appointed interim director of AEG. Chris is a past president of AEG and also is a professor at Texas A and M. Chris will do an excellent job. We will miss Norm!

Diane Murbach has been approached by the McMenamins chef to offer different buffet meals to us for our meetings. We will get your feedback on that at this month's meeting.

This next week I plan to get the executive committee together for our section to plot out our direction for the rest of the year. We have spent so much energy over the past two years on our national convention and the book so now it is time to focus on our profession locally. Our section is very healthy so we want to take advantage of that fact and take us to new levels!

I hope that all of you had a wonderful holiday season. Personally, I have made a new years resolution to give up singing and philosophizing for this year, therefore 1998 should be a year without rhyme or reason for me! Happy New Year!

Scott

AEG Case Histories Book:

I talked to Stuart Hoffman, the publisher, yesterday. They started mailing the books to those of you who ordered it last Friday. They will be arriving by UPS. There were about 200 books sold by early orders. It has taken a week to send them out. He said that the last books should have been sent by January 13th. The reprints of the individual articles for the authors are on the way to the publisher from the printer. He will be sending them to me for dispersal. If they arrive before this month's meeting, I will bring them to the meeting.

The publisher is extending the reduced price offer on the book until January 15th and then the price goes up. You can purchase the book for \$59.95 plus \$6 for shipping and handling. Starting January 15, 1998, the price will go up to \$79.95. We have put another order form at the end of this newsletter. The address of Star Publishing is: Star Publishing, P.O. Box 68, Belmont, California 94002-0068. They also have a 1-800 number to order directly using a VISA card. It is 1-800-852-6226.

The first copy of the book will be at the meeting for all of you to see this month. I actually have it on my desk so it will be at the meeting! It will have a 1998 copyright date on it.

Awards Ceremony: Last month we held the awards ceremony for the new AEG case histories book on Oregon. Jasper Holland had his whole family there for the dedication, but the book arrived the day after the meeting. We felt awful! In addition to the book not arriving on time, Jasper got his truck stolen that night from his driveway. (It still has not been found! Ouch!) We have the book now so will dedicate it to him (if he can come back to the meeting this month) and to Mrs. Schlicker. I also have certificates to hand out to some authors as only half of them could make the meeting last month.

Editors Awards for top papers in the book: "Environmental, Groundwater, and Engineering Geology: Applications from Oregon": The following papers were selected by the editor as the top papers in the book. The decisions were difficult to make because there were so many great papers! I tried to give only two awards per chapter, but in some cases I had to give three. The papers were selected on quality of the science, organization and writing characteristics. Congratulations to the authors!

Awards:

- 1) **Charles Hammond and Andrew Vessely**, "Engineering geology of the Trask River Dam raise, Oregon Coast Range", Chapter 3
- 2) **L. Radley Squier and David A. Roggenkamp**, "Foundations and excavations for high-rise structures in downtown Portland, Oregon", Chapter 3
- 3) **David Scofield and Candace Jochim**, "Overview on engineering geology applied to transportation in Oregon", Chapter 4
- 4) **Gary L. Peterson, David Scofield, L. Radley Squier and Frank N. Toor**, "Engineering geology and drainage of the Arizona Inn landslide, U.S. Highway 101, southern Oregon coast," Chapter 4
- 5) **Tim Pfeiffer, Sue D'Agnese, and Amy Pfeiffer**, "Wilson River rockslide, milepost 31, Highway 6, Wilson River Highway, Tillamook County", Chapter 4
- 6) **Yumei Wang**, "Earthquake risks and mitigation in Oregon", Chapter 5
- 7) **Tom DeRoo, Douglas Smith, and Douglas Anderson**, "Factors affecting landslide incidence after large storm events during the winter of 1995-1996 in the upper Clackamas River drainage, Oregon Cascades", Chapter 5
- 8) **Tim Blackwood**, "Mass wasting assessments in the analysis of two watersheds on private timberland in the Coast and Cascade Ranges of Oregon", Chapter 6
- 9) **Frank Reckendorf**, "Geologic hazards of development on sand dunes along the Oregon Coast", Chapter 6
- 10) **Leonard Palmer**, "Engineering geology of the Oregon coast", Chapter 6
- 11) **Scott Wallace**, "Groundwater resource development in the central Oregon Cascades at the Mt. Bachelor Ski and Summer Resort, Bend, Oregon", Chapter 7
- 12) **Robert Long, Jeff Barry, and John Porcello**, "Public groundwater supply reduction from proposed Columbia River fish production measures, Lower Umatilla Basin, Oregon", Chapter 7
- 13) **Peter Stroud**, "Hydrology baseline study, Newberry geothermal project, Newberry Volcano, Central Oregon", Chapter 7
- 14) **Paul McBeth**, "McCormick and Baxter hazardous waste site, Portland, Oregon", Chapter 8
- 15) **Fassio, and Henry Schmid John Kuiper, Joe**, "Characterization, risk assessment and remediation strategies of chlorinated solvent contamination beneath the Tacoma Street overpass, Highway 99, Portland, Oregon", Chapter 8
- 16) **Chris Hyatt and Rob Roholt**, "Hydrogeologic modeling for risk assessment of dissolved chlorinated solvents at a facility in the central Willamette Valley, Oregon", Chapter 8

Short news items:

AEG List-Serve Forum: If any of you wish to become part of an internet public forum on engineering geology, follow the directions below. It is open to all members of AEG. You can get the latest updates on Norm Tilford, find out what is happening with the association, etc. If you are interested in subscribing to this free forum, do the following: Send an email to the following address: Listserv@listserve.tamu.edu. The following will appear in the body of the message: SUBSCRIBE AEG-L First _Name Last_Name. Insert your first and last names where applicable.

Job Announcement: Principal Executive Geology Supervisor with ODOT: They are seeking an individual with strong leadership skills for a position located in Portland. This person will provide management and direction to the region geology group and its programs and develop and implement strategies for providing engineering geology, hazardous materials and NPDES to ODOT programs. Requires 6 years of experience in supervision, staff technical or professional level work. This experience must have included at least two years of experience as a project leader, assigning and reviewing work of professional staff (i.e. engineers and engineering geologists) including project responsibility for developing goals and objectives, project evaluation, or monitoring and controlling or preparing a budget. Applicants must clearly demonstrate experience in subsurface investigations and geotechnical engineering. CEG or experience in hazardous materials and/or water quality preferred. A bachelors degree in geology or civil engineering or related field may be substituted for up to three years of required experience, but will not substitute for two years of specialized experience. Salary \$3146-4430/month plus benefits. Contact ODOT Recruitment at 503-986-4030 for required application packet.

Items for sale: We still have a few things left over from the national meeting. Check with Tom Kuper at the next meeting if you want to get copies of the field trip guides. Check with Scott Burns for copies of the Earthquake Symposium (bargain price of \$10) and portfolios (reduced price of \$15).

41th ANNUAL NATIONAL AEG MEETING, 1998 IN SEATTLE, SEPTEMBER 26 - 30

Please plan on attending the 1998 annual meeting in Seattle Let's have a great Pacific Northwest turnout !

LOCAL NEWS:

New employment: Congratulations to three Portland State Graduate students who just got jobs. All three have been student members of AEG. Chip Barnett was just hired by Squier Associates. Julie Clark will begin working for DOGAMI in their outreach program related to hazards. Debra Doyle has been hired by Deep Sea Mapping of Seattle.

New or upgraded members of AEG:

Dorothea Peavy (Affiliate Member)
Mt. Hood National Forest, in Sandy

Britton W Gentry (Associate Member)
Geotechnical Resources, in Beaverton

Brett V. Danko (upgrade from Associate to Full Member)
PBS Environmental, in Portland

Thomas S. Horning (Full Member)
Horning Geosciences, in Seaside

Report from the Board of Geologist Examiners: If any of you are interested in taking the registration exams, call Ed Graham in Salem at the Board. His number is 503-362-2666. The **deadline** for signing up for the next exam is **February 1 1998** (not Jan 5 as reported last month). The RG and CEG exams are both on April 17, 1998

The new address and phone numbers for the Board is.

Board of Geologist Examiners
726 Hawthorne Ave. NE
Salem, OR 97301

Phone: 503 362-2666

Fax: 503 362-5454

"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
Membership	Ed Stearns		661-0462	

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 Diane Murbach. 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: _____

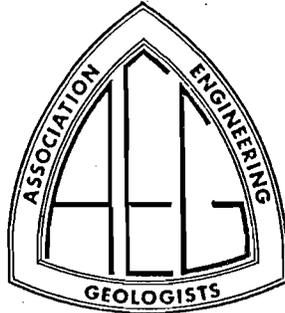
TELEPHONE: _____

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

January 15, 1998

AEG



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



JAN 12 1998

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