

Serving Professionals in Engineering, Environmental,  
and Ground Water Geology

OREGON SECTION

# NEWSLETTER

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The Official Newsletter of the Oregon Section Association of Engineering Geologists

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## ***FEBRUARY MEETING: JOINT MEETING WITH ASCE***

- Speaker:** James Gould  
Nueser Rutledge Consulting Engineers, New York  
1990 Terzaghi Lecturer; Honorary Member ASCE
- Title:** "Geotechnology in Dispute Resolution"
- Date:** Thursday, February 20, 1997
- Times:** 6:00 PM: Social Hour  
7:00 PM: Dinner  
8:00 PM: Talk
- Where:** Red Lion Inn, Downtown Portland  
(310 SW Lincoln; 221-0450); located just off of the 4th  
street exit from I-405
- Menu:** Steak smothered in chefs special sauce of mushrooms,  
tomatoes, onions and demiglace; salad; vegetables,  
potatoes, rolls, Chef's choice dessert,
- Cost:** \$20 (Students ½ price)
- Reservations:** Neil Pietrok at Thomas Wright by 3:00 PM on  
February 17: telephone is 624-1468

## ***Background on speaker:***

**Dr. James Gould is a consultant with Mueser Rutledge Consulting Engineers in New York, an honorary member of ASCE, and a member of the National Academy of Engineering. In his 50 year career as a geotechnical engineer, he has been involved in a large number of major transportation, foundation engineering, marine, water and power projects nation-wide, and he is at the forefront in the development of the practice. In addition to being honored in 1990 as the Terzaghi Lecturer for ASCE, he was the Boston Society of Civil Engineer's Casagrande Lecturer in 1991, and the recipient of the ASCE Kapp Foundation Engineering Award in 1994.**

## **ABSTRACT**

**Over the years, responding to construction disputes and contract litigation has become an increasing part of the practice of geotechnical engineering and engineering geology. Disputes often arise in connection with changed conditions claims. These claims are based on the clauses included in contracts for federally-funded projects that are intended to provide relief to contractors for delays and increased costs that can result from unforeseen ground conditions. Since characterization of subsurface conditions is the focus of these disputes, the geotechnical engineer often plays a key role in evaluating the legitimacy of the disputes and in their resolution.**

**Dr. Gould's presentation, which is based on his October 1990 Terzaghi Lecture, entitled "Inventive Changed Conditions Claims" and concepts developed subsequently on the subject will include a discussion of the background and role of the Federal Differing Site Condition (DSC) clause. He will also describe sources of construction problems, the role of the geotechnical engineer and engineering geologist in relation to them, improved methods of dispute resolution, and possible means of capping the cost of a claim. His talk will also include a real life example of the pitfalls that can occur in resolving a complex dispute arising from unexpected underground conditions.**

## *Message from the Chair:*

This meeting is always fun for me, meeting jointly with the civil engineers at the downtown Red Lion (just off of I-405 at the 4th street exit). We will probably have about 200 in attendance so be sure to car pool because parking sometimes is a problem. Dr. Gould is a Terzaghi Lecturer so it will be a good one! I just confirmed with Dr. Dave Rogers for next month's meeting. He is this year's Richard Jahn's Lecturer and he is a terrific speaker. You won't want to miss either of these great meetings.

We are trying something new - a meeting in Roseburg! We have a good population of members downstate, and it is hard for them to make it to the meetings in Portland. Sue D'Agnese has organized a meeting for April 3 in Roseburg. Anyone in that part of the state is invited. She will be talking about the floods of 1996 in SW Oregon. We will also have a good meeting in Portland at the normal time with Brian Atwater speaking.

Thanks to all of you who came out to hear Roland French talk last month on the application of geophysics to groundwater research. We had the potential of an ice storm that night, but still had 25 people turn out for an extremely well presented talk! I also wanted to say thanks to all of you who came to the memorial service for John Eliot Allen last month at Portland State. Over 300 people were there. Peggy Allen really appreciated having so many people there. Last week I gave a talk at Oregon State on landslides, but really tried to push engineering geology, AEG, and our national meeting in the fall. I will be doing the same in March at University of Oregon - trying to get the other universities involved in AEG.

I am very concerned about what has happened in Lincoln County. I have not confirmed it, but I have heard from reliable sources that the county has decided not to require geology reports before building permits are issued. The county has decided to take the "build at your own risk" approach. They feel that if there are reports that the county is liable if a problem arises. They do not want liability so decided that no information relieves them of any liability. If any of you have more information on this, please call me. We have been working so hard to get communities to require geological assessments from registered geologists and here is a county turning away from it! We need to do something.

I have also added a new column on jobs. Each month we receive inquiries about jobs in the Oregon area. I thought that I would put in any announcements from our members who are seeking jobs or a looking to fill a position. If you fall into either of these categories, send the information to me for next month's newsletter. I have also added a new section on bills before the legislature that relate to geology.

Both the book and the plans for the national meeting are progressing well! We have so much happening at this time. Enjoy the new geology movie out, Dante's Peak! A geologist saves the day! See you at the meeting!

Scott Burns, Section Chair

# AEG Case Histories Book:

The next editors meeting will be February 11 at PSU from 5:30 - 6:30 PM. So far we have 32 of 58 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 by the 17th. We need to have at least two people review the paper. I am on sabbatical now and am spending all of my time on the book. Remember the final deadline from the publisher is February 28th! The publisher has given us a small break. I will ship the book to him in parts: 20 articles on Feb. 28, 20 on March 14 and 20 on March 31. Below is a list of the deadlines:

- a) February 17, 1997 All Articles due
- b) 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!
- c) March/April/May Publisher returns galley proofs to authors for final evaluation

Scott Burns, Editor

## *Short news items:*

1) Special April Meeting in Roseburg: Sue D'Agnese has organized a meeting for our members downstate who cannot come to Portland. The meeting will be on Thursday, April 3 and will be about the floods of 1996 in SW Oregon. The time and place of the meeting will be announced in next month's newsletter.

2) We need 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. We have received some very good ones so far. We need cover photos for the AEG Case Histories book.

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

### 4) Job Openings:

a) **Portland State University:** Looking for adjunct professor to teach two courses in seismic site evaluation/seismology and earthquake design engineering for students of civil

engineering and geology. We would like to have a practicing geologist or CE. Contact Scott Burns, 725-3389 for more information.

**5) Looking for Jobs:**

a) **Leanne Roulier:** local Washington telephone: 206-858-4899; Florida phone: 813-893-9602; BS, Salem State College, MA (1992); MS University of South Florida (1994); has worked for USGS for two years as geochemist; advanced training in hydrogeology; strong computer background; wants to get back to Pacific Northwest where she is from.

**6) Legislative Update:**

Does anyone have any comments on these bills?

a) **House Bill 2082:** increases maximum fine for violation of statutes governing practice of geology from \$1000 to \$5000.

b) **House Bill 2083:** eliminates requirement that the State Board of Geologist Examiners publish annual roster of geology businesses. Requires board to produce a roster upon request and payment of cost of production.

**8) News from the Board of Geologist Examiners:** 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.

The results of the fall exams are:

Exam:	Candidates:	Passed:	% Passing:
RG Fundamentals	14	12	86%
RG Practical	20	14	70%
CEG	5	2	40%

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

a) **Dale E. Graff - Portland State Geology Student**

b) **Harriet S. Cornachione - faculty member at Oregon Institute of Technology in Klamath Falls - she drove all the way to Portland for last month's meeting!**

## **"AEG - OFFICERS"**

1996 - 1998

<b>Position</b>	<b>Name</b>	<b>Daytime</b>	<b>Home</b>	<b>FAX</b>
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

## **“AEG” CALENDAR:**

- February 20:** Dr. James Gould, 1990 Terzaghi Lecturer, meeting at Red Lion Downtown, Combined ASCE and AEG “Geotechnology in Dispute Resolution”
- February 22:** Oregon Academy of Sciences meeting: Lewis and Clark College, Portland: 8:00AM-noon - 14 papers on geology (call Scott Burns for list of titles if you are interested)
- March 20:** Dr. David Rogers, our 1996 Richard Jahns Lecturer : Reassessment of the St. Francis Dam Failure
- April 3:** AEG Meeting in Roseburg: Sue D’Agnese talking about “Floods of 1996 in SW Oregon”
- April 17** Brian Atwater, “Probabilities of a Great Cascadian Earthquake in the Next 100 Years - the Latest Updates”
- May 15:** Eldon Gath, President of National AEG, “Seismic Hazard Investigation of the San Jacinto Fault through the San Bernadino Valley College”

## **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:** \_\_\_\_\_

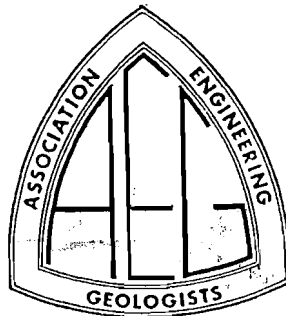
**TELEPHONE:** \_\_\_\_\_

*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**

**JANUARY 20, 1997**

**AEG**



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



**FEB 12 1997**

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