

Serving Professionals in Engineering, Environmental,
and Ground Water Geology

OREGON SECTION

NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

Jan. 1996

VOLUME 96, NUMBER 1

JANUARY MEETING:

Topic: **“Rock Fall Analysis and Stabilization Design”**

Speaker: ***ERIK ROREM***

Date: **Thursday January 18, 1996**

Time: 6:00 Attitude Adjustment
7:00 Dinner
8:00 Program

Location: ***Newport Bay Restaurant***
SW 69th & Pacific Highway, Tigard
(Tigard exit from I-5) Telephone: 245-3474

Cost/Menu: \$17 per person, \$8.50 per student. Choice of Top Sirloin,
Dungeness Chicken, Halibut Filet, or Salmon Filet.

Reservations: Please call Curran Mohny at 731-8307 and leave a message
with your name and menu selection by 12:00 noon on Tuesday
January 16, 1996.

ABSTRACT

“Steel Wire Rope Safety Net Systems: A Brief History of Applications to Rockfall Mitigation in the U.S.”

By

Erik J. Rorem, Regional Manger - Western USA

BRUGG CABLE PRODUCTS, INC.
Vancouver, WA

tel: (360) 253-3438 fax: (360) 254-2522

Rockfall and debris flow are natural occurrences that in the wilderness, can be brought about by erosion as well as by animals and vegetation. Such incidents can also be caused by human interference. Today, expansion into previously uninhabited areas for roads, housing, utility structures, recreational facilities, etc., has caused rockfall and debris flow occurrences to escalate. The result is an increase in danger zones and the risk of life and property, and consequently an increase in the need for protective measures.

Rockfall and unstable rock slopes can be effectively controlled by utilizing steel wire rope net systems, either as barriers or as slope draping. The chief advantage of such systems over rigid type barriers is the flexibility of wire rope netting, permitting kinetic energy dissipation, yet providing high strength and consequently low maintenance.

Brugg Cable Products has provided such rockfall protection barrier and draping systems for nearly 50 years. A review of the history and design considerations involved with these systems, with particular emphasis on testing and development will be presented. A video produced by the California Department of Transportation (Caltrans) showing such testing will be included with this presentation (equipment availability permitting). The presentation will also include a slide review of several installations in the Pacific Northwest and elsewhere in the United States. It is hoped that this information may contribute to further safety against the dangers of rockfall.

Author Bio:

Education:

Bachelor of Science, Geology. University of Minnesota, Duluth 1983
Master of Business Administration. University of Nevada, Reno 1990

Employment:

1984 - 1993	Lab Manager, Bordar-Clegg Inc., Reno, NV (A commercial assay lab for Precious metals exploration)
1994 - present	Western USA Regional Manager, Brugg Cable Products, Inc., Vancouver, WA

AEG Case Histories Book News:

Call for paper titles for the AEG Book on the Case Histories of Oregon Engineering, Environmental and Groundwater Geology. We are off an running and I am very excited! Our time table is:

- | | |
|-----------------------|--------------------------------------|
| a) February 27, 1996: | All paper titles due |
| b) June 30, 1996: | All papers due |
| c) November 30, 1996: | All papers must have been turned in. |

The review process will commence as soon as papers are submitted.

If you have a paper title, please call Scott Burns (725-3389) or the chapter editor and give the title. We need to have an idea of what the book will look like by the end of February.

We have updated the outline and split the environmental chapter up and moved a couple of sub-headings around. Below is the latest outline with chapter editors and their numbers and email addresses:

1) Chap. 1: Geologic and Physiographic Provinces (Scott Burns, 725-3389; scott@ch1.ch.pdx.edu)

2) Chap. 2: Geologic Practice (No editor yet)

- historical review, definitions of geologist, engineering geologist, hydrogeologist, project management, academic programs, affiliated professions, legal and regulatory

3) Chap. 3: Facilities: (Charlie Hammond, Cornforth Consultants, 503-452-1100)

- dams and reservoirs, power plants, tunnels, harbors, gas fields

4) Chap. 4: Transportation: (David Schofield, Squier Associates, 503-635-4419)

- highways, rail, lines, rivers, locks, bridges

5) Chap. 5: Geologic Hazards (Scott Burns, PSU, 725-3389, scott@ch1.ch.pdx.edu; Ruth Wilmoth, Columbia Geotechnical, 360- 944-7397)

-flooding and erosion, landslides, seismic, volcanic,

LOCAL NEWS Please provide input to the next national newsletter. Send to:
Dave Michael, 801 Gales Creek Road, Forest Grove, OR 97116, Telephone is 359-7448 (work). You
can also send a FAX to 357-4548 Internet: DAVE.L.MICHAEL@STATE.OR.US

Be sure to send me news from you or your firm!

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: _____

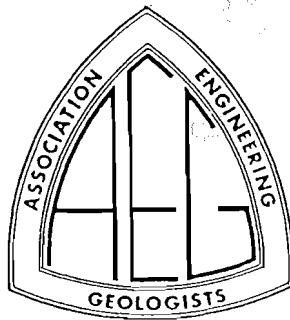
TELEPHONE: _____

Mail form and \$10 to Charles Hammond, Cornforth Consultants, Lincoln Building Suite 111, 10250 SW Greenburg Rd., Portland, OR 97223.

ANNOUNCEMENT OF OUR NEXT EXCITING MEETING

JAN. 18, 1996

AEG



*Dave Michael, Editor
Oregon Chapter, AEG
c/o ODF NWOA
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JAN - 9 1996

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