Summer has once again arrived here in the Sacramento region! And for many of us, this means that our schedules are getting even busier! School is out, vacations are in, and work is keeping everybody running at full throttle! Here at AEG we are equally busy getting ready for our next meeting. This month we’ve got AEG National President Dorian Kuper coming to share a presentation of case studies on aggregate mining and reclamation (a very pertinent subject for our area!). Best of all...we’re going to be holding this month’s meeting at California Fat’s in Old Sacramento, a restaurant well known for it’s excellent food and an AEG favorite. So be sure to come join us for great food, good company and an informative talk at the June meeting! We look forward to seeing you all there!
**Highwalls to Highways**

**Engineering Geology Case Studies of Aggregate Mining and Reclamation**

Dorian E. Kuper, AEG President

Abstract:
Aggregate mining sites are about as popular as landfills and dams – no one wants them and yet society needs them. Rock, sand, and gravel aggregates provide the necessary building blocks for our roads, bridges, buildings and homes. Engineering and environmental geology play important roles in evaluating and permitting mining sites, as well as reclaiming the sites into secondary beneficial uses.

The technical evaluation of a mine site involves field and laboratory work as well as quantifying the quality and quantity of the aggregate resource, and analyzing the impacts to the environment such as wetlands, wildlife, surface water and groundwater. The political side is as important as the technical side. Understanding neighbors’ concerns as they relate to mining – water, noise, dust, truck traffic and how a site will be mined and reclaimed are issues that need to be addressed during the permit process.

This talk will present examples of how an engineering geologist evaluates a future mine site. Through case histories, it will detail the field aspects, the proposed mine plan, as well as how a site may be reclaimed. The presentation will also show how geologists play a critical role in the political aspects of permitting mine sites by working with the decision makers.

Advocacy of our profession is a huge goal of AEG and this presentation will demonstrate how AEG can further educate and promote our profession with the public by presenting case histories.

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Dorian E. Kuper, AEG National President
Kuper Consulting, Portland, Oregon

Dorian E. Kuper earned BA degrees in Geology and Environmental Studies from University of California Santa Barbara and an MS degree in Geology from San Diego State University. She has 26 years of experience in Engineering Geology in Southern California, Oregon and Washington. Ms. Kuper is currently the President of Kuper Consulting in Oregon, focusing on engineering geology, permitting and mine plan reclamation for aggregate sites. She has professional registration in California, Oregon and Washington as an Engineering Geologist.

Dorian Kuper’s AEG Professional activities include: Currently the President of AEG, Legislative Liaison for Oregon AEG, Co-chaired Programs Director for Oregon AEG, co-authored and organized national and local AEG field trips, member since the early 1980’s. She is also a past President of the National Association of State Boards of Geology (ASBOG - 2003), Chair of the Oregon State Board of Geologists (1998, 1999), and President of the San Diego Association of Geologists (1983), member of GSA, ASSMR and IAEG.
Greetings Sacramento AEG members,

The past couple months have brought several prominent natural disasters around the world that have cost hundreds of thousands of lives and billions of dollars (or equivalent) in damages. These events lead me to think about AEG’s role in providing for public safety.

With each natural disaster comes tragedy, but also lessons. While all tragedies are sad, they are harder to bear when they present “lessons” that are not new, things that could have been anticipated and avoided or mitigated. Of course these matters extend well beyond just geosciences (politics and economics come to mind), but they serve to remind of the importance to convey lessons from environmental and engineering geology frequently, repeatedly, to as many audiences as possible; not just to our colleagues and clients but to students, community leaders, policy-makers, and the general public…Advocacy.

Public welfare is an integral part of AEG’s Mission Statement:

The Association of Environmental and Engineering Geologists (AEG) contributes to its members’ professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology.

AEG plays a crucial role in facilitating and supporting advocacy at the local, state, national, and increasingly international levels. AEG provides resources to assist its members and others in communicating information from and about environmental and engineering geology. AEG also serves increasingly as a go-to point for those outside of our professions who are seeking information and expertise in matters of environmental and engineering geology.

It is important that we do all we can to ensure that lessons we learn as environmental and engineering geologists are effectively communicated to others who will be impacted by them, as well as those in positions to act upon them. Our own success, the success of our profession, and public safety all benefit from our advocacy.

John Pfeiffer
Chairman, AEG Sacramento section
Attention All Members!

The Sacramento Section of AEG has copies of past field trips and seminar publications available for purchase on our website! These valuable publications are available in very limited supply, so be sure to get your copy today by visiting our website at www.aegsacto.org/members/publications. Don’t miss out!

Announcements

To AEG Board Members and Members at Large:

FYI, the Registration Board for licensing Professional (Registered) Geologists, Engineering Geologists, Hydrogeologists and Geophysicists is requesting input for developing new questions for the various California State Registration Exams.

AEG may be notified or solicited for questions, or Registered/Certified Geologists may be notified about question submission.

Typical formats include:
- multiple choice problems (4 or 5 answers per question);
- 5 point problems that involve minimal writing or problem solving;
- 10 point (mandatory or optional) problems with a higher level of problem analysis;
- 20 point mandatory problems that have very detailed, question specific-answers with multiple parts.

The exam formats have been substantially changed over the last year or so, and new banks of questions are required. The California Specific Exam is offered two times a year and that bank needs to be expanded. The specialty exams are offered once a year.

Questions may be submitted to the Board or the Exam Committee for review. The California Specific Exam is currently multiple choice only. These should relate to the practice of geology in the state (not general ASBOG type questions). The other specialty disciplines should assume that candidates have several years of practice and are already registered as a PG (RG).

Thanks for your consideration,
Donn Ristau
Exam Committee Member
June 2008 AEG Meeting
Facsimile Transmittal Sheet
(or e-mail to the address below)

To: Lisa Breckenridge (Wallace-Kuhl & Associates, Inc.)
   email: LBreckenridge@wallace-kuhl.com
Phone: (916) 372-1434
Fax:     (916) 290-5429 From: _________________________________

Or You Can Sign Up Online at: www.aegsacto.org

Subject: June AEG Sacramento Section Meeting
Date:    June 24th, 2008

Place:    California Fat’s Asian Grill & Steakhouse
          (Located in historic Old Sacramento near the corner of Front St. & J St.,
          parking is available in the lot at Front St. & Capitol Mall)
          RSVP’s are strongly recommended for this venue!

Time:   5:30 - 6:30 PM - Sign In and Social Hour
       6:30 - 7:30 PM - Dinner & Announcements
       7:30 - 8:30 PM - Speaker Talk and Slide Show
       8:30 - 8:45 PM - Questions and Answers

On the Menu:  Chicken Pot Stickers & Crispy Vegetable Spring Rolls
               Orange Chicken        Honey Walnut Prawns
               Vegetarian Stir Fry    Chicken Chow Mein
               Garlic Green Beans    Steamed White Rice

          Dinner is served family style and includes dessert and coffee.
          Cost: $30 member (w/ RSVP) $32 nonmember and walk-ins

Notes:   First 5 Students (w/RSVP) Eat For Free!
          Additional Student RSVPs: $10.00  Student Walk-ins: $15.00
          Alcoholic beverages are available for those 21 and over on a cash basis.
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<tr>
<th>Date</th>
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<tr>
<td>January 29th</td>
<td>Jim Wood, Golden Bear Ceramics Company</td>
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<td>Geology &amp; Engineering Issues of the Upper Member Ione Formation</td>
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<td>February 27th (Wed.)</td>
<td>Dr. John Clague, AEG 2008 Jahns Lecturer</td>
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<td>Formation and Failure of Natural Dams</td>
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<td>March 18th</td>
<td>J. David Rogers, Missouri University of Science &amp; Technology</td>
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<td>Site Characterization and Failure Modes in the Landmark Paterno vs. California Flood Case</td>
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<td>April 17th-18th</td>
<td>Advanced Rock Slope Stability Short Course</td>
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<td>April 29th</td>
<td>Byron Anderson, Kleinfelder Inc.</td>
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<td>Gold Mine to Golden Years: Developing a Senior Residential Community on One of California’s Oldest Gold Mines</td>
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<td>May 27th</td>
<td>Bob Barrett and James Chinchio, Soil Nail Launcher, Inc</td>
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<td>Advancements in Landslide Solutions</td>
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<td>June 24th</td>
<td>Dorian Kuper, AEG National President</td>
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<td>Engineering Geology Case Studies of Aggregate Mining and Reclamation</td>
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<td>July</td>
<td>No Meeting</td>
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<td>August 26th</td>
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<td>September 15th-20th</td>
<td>AEG National Meeting, New Orleans, Louisiana</td>
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<td>October 28th</td>
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<td>November</td>
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<td>December</td>
<td>AEG/GRA Annual Joint Holiday Meeting</td>
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The Association of Environmental & Engineering Geologists (AEG) officers convene meetings biannually to review the status and conduct the business of our organization. On May 17-18, 2008, the Board of Directors (BOD) mid-year Board meeting was in session in Portland, Oregon, the hometown of President Dorian Kuper who presided. Detailed meeting minutes were prepared and will be available for approval at the next Board meeting, which will follow the Annual Meeting in New Orleans. The following summary was prepared to assist our Directors in highlighting major issues and topic areas for communication to the general membership.

AEG has twenty-five (25) sections. Eighteen (18) Section Chairpersons or their proxies were present along with the Executive Council (EC) President Kuper, Vice President/President-Elect Molinari, Treasurer Kreuger, Secretary Hilton, and Past-President West. Chief Operating Officer Roland was also present, as were Governance Committee Co-Chair Bauer, Finance Committee Chair Sofield and other invited guests. Sections absent were Alaska, Montreal-Canada, New England, New York-Philadelphia, Ohio River Valley, South Africa, and Southeastern.

- Treasurer Kreuger provided a summary of current financial status that was generally favorable. Year to date financials indicate a $95,000 surplus largely due to the 2007 Los Angeles Meeting. The FY 2008-9 budget, which includes a small projected surplus plus $67,000 in discretionary expenses, was presented to and approved by the BOD. These discretionary expenses are prioritized expenditures that are authorized for the EC to utilize if and only if sufficient surplus funds are available and the 2008-9 fiscal year finances are in order.

- AEG is interviewing and seeking to replace the current CPA firm responsible for reviewing and filing our annual tax return.

- The current Fiscal Year term is through June 30 and the BOD is considering changing to a calendar year that would allow the annual CPA report to be prepared ahead of the Annual Meeting for approval by the BOD. This would also make it easier to make from Annual Meeting revenue available well in advance of year-end reports and subsequent budget planning. No action was taken, but the BOD requested that more information on this change be prepared for the Annual Meeting, on which they will then vote.

- AEG is also reviewing changing the Incorporation status from California to Colorado that would simplify our tax filing, and reduce CPA time and out of state filing costs. No formal action was taken but the BOD directed the EC to obtain more specific information and make a recommendation on which the BOD will then vote at the next Annual Meeting.

- Future Annual Meetings are progressing well with 2008 in New Orleans, 2009 in South Lake Tahoe, 2010 in Charleston, 2011 in Anchorage, 2012 in Salt Lake City, and 2013 potentially in Seattle (to be proposed for BOD approval at next meeting).

- Julie Keaton, who has served as AEG’s Annual Meeting Manager for fifteen (15) years is retiring but will continue to provide support planning the Specialty Conferences. Accordingly, AEG is anxious to find an adequate replacement realizing it will be difficult given Julie’s wonderful performance in past years.
The BOD has been reviewing information regarding possible participation with GSA in hosting a geohazards conference in 2010 in Costa Rica spear-headed by Keith Turner. The BOD has asked that the meeting be considered for 2011 allowing more preparation time.

The Joint Task Force on Areas of Practice (JTFAP) remains a controversial topic that continues to be supported by the Board and EC. Presently, a draft document has been prepared by the joint committee of AEG, ASCE, and AIPG representatives but is mired in internal review. The BOD has asked that this be accelerated so that a document can be distributed sooner for BOD and member review.

All present Section Chairs presented section Reports. Each exchanged valuable ideas for generating operating capital, membership, and retention of members. An open forum workshop was suggested for next meeting to allow even more discussion and capture of Section meeting ideas.

The BOD approved an increase in selected dues by majority vote. The dues increases are $5/year for Affiliate Members, $40/year for Co-Members, $10/year for Emeritus Members and better reflect AEGs costs for the services provided to those member classes. In addition, New Members dues are now $75/year for one year instead of three years.

The policies were tediously revised by Treasurer Kreuger and Vice President Molinari with support from the Governance Committee. Several new policies are now in place as recommended by legal counsel. These include a Field Trip policy that should be reviewed by all Sections for future activities. The approved revised policies will be posted on the website.

The new EC member nomination was reviewed and voted on by blind ballot and will be included in the ballot to general membership. The elected candidate will be announced in New Orleans at the 2008 Annual Meeting.

A proposal for the 2009 Shlemon Conference to be in the Midwest on the topic of seismic activity of the New Madrid Fault system was reviewed and accepted by the BOD.

COO Roland reviewed the Document Retention policy requirements and will post her presentation on the website for Sections to refer to when necessary.