



AEG SACRAMENTO

Monthly Bulletin and Meeting Announcement

This is important for your . . .

career. We are forgoing the usual speaker for this month's section meeting and having an open discussion concerning the history and recent developments of the California Board of Registration for Geologists and Geophysicists. Find out both the current status of the injunction against the process of dissolution of the board and what still needs to be accomplished to preserve the board. In addition - it's time to elect new officers. A ballot is included with the newsletter, and you can cast your ballot in person on Tuesday..

Section Meeting Date: Tuesday, October 27, 2008

Meeting Location: **Sudwerks in Davis**, 2001 Second Street, adjacent to I-80: get off at Richards, turn right, right on 5th, then right on L St ; left on Second St to Sudwerks, under the Pole Line Rd bridge superstructure fronting I-80 Fwy.

Meeting Schedule:

- 5:30 - 6:30 Sign-In and Social Hour
- 6:30 - 7:30 Dinner and Announcements
- 7:30 - 8:30 Panel discussion
- 8:30 - 8:45 Questions and Answers

PLEASE RSVP BY 4:00PM MONDAY OCTOBER 26, 2009

October 2009 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: October AEG Sacramento Section Meeting

Date: Tuesday, October 27th, 2008

Place: **Sudwerks in Davis**

For directions, please see Page 1

RSVP's are encouraged and appreciated.

Please RSVP by 4:00PM Monday, October 26, 2009

Time: 5:30 - 6:30 PM - Sign In and Social Hour

6:30 - 7:30 PM - Dinner and Announcements

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8:30 - 8:45 PM - Questions and Answers

On the Menu::

- *Sudwerk Chicken Salad:* \$17/\$20
Grilled chicken, tomatoes, artichoke hearts, red/yellow peppers, mozzarella/Asiago cheeses, tossed with butter lettuce and balsamic vinaigrette
- *Tri-tip Sandwich:* \$17/\$20
With choice of mixed seasonal fruit, apple coleslaw, or fries on the side
- *Gourmet Cheeseburger:* \$17/\$20
With choice of cheddar or bleu cheese, and a choice of mixed seasonal fruit, apple coleslaw, or fries on the side
- *Grilled Salmon:* \$24.50/\$27.50
Served with seasonal sides
- *Sudwerk Pizza:* \$17/\$20
Pepperoni, Italian sausage, artichoke hearts, mushrooms, red onion, mozzarella and ricotta cheese
- *Fettuccini Alfredo:* \$14/\$17, with Sausage: \$17/\$20

*Prices shown are for: AEG member with RSVP/non-member with RSVP and walk-ins
Student prices: first five with RSVP are FREE; after that, \$7 with RSVP/\$12 walk-ins*

Notes: Alcoholic beverages are available for those 21 and over on a cash basis.

Legislative Chair's Message

As most of you are aware, despite diligent efforts on the part of our Legislative Analyst Judy Wolen, and despite appearances by me and other AEG representatives from the three California Sections at hearings, testimony before legislative committees, and visits with legislators and their staffs, the Governor's staff, in cooperation with leaders of both houses of the State Legislature, pushed through with the elimination of the California Board of Registration for Geologists and Geophysicists. Thus ends a nearly 5-year battle with the Governor over this misguided idea, and thus begins a new battle. The functions of that 35-year old self-supported board, a veteran and survivor of multiple sunset reviews over the years, were turned over the Board for Professional Engineers and Land Surveyors by passage of the budget bill A.B.4x 20, effective October 23.

The new battle has already been joined, with filing of an application for injunctive relief with the California Superior Court. If accepted the court would issue a temporary restraining order that would temporarily prevent that portion of the bill relating to the elimination of the BGG from being enacted on grounds that it potentially puts public safety in California at risk. And, if issued, the TRO will give the declarants (collectively known as the California Association of Professional Geologists, comprising representatives of the three California sections of AEG) time for various submitted declarations to be considered by the court, which will show how this risk arises. It will also force the State (through the Attorney General's Office) to show how it does not do that. They may indeed have an uphill battle with the court, which has the power to vacate the provisions of the bill as written, thanks to the checks and balances inherent in our state constitution.

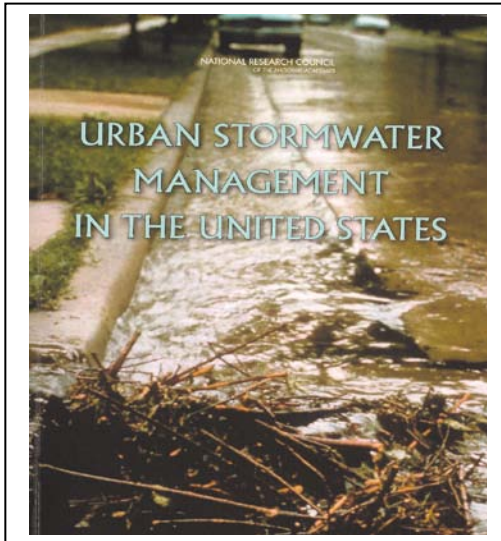
As a long-serving veteran of this campaign, I strongly urge you to contribute to the funding of this effort, which is presently beyond the means of the three California sections of AEG to underwrite. Please won't you consider sending a contribution to this fight to the California Association of Professional Geologists.

Please make checks payable to: AEGSC Political Action Fund, 1772-J East Avenida De Los Arboles, PMB #304, Thousand Oaks, CA 91362.

Best regards,
Eric Chase
Legislative Chair, AEG Sacramento Section

AEG Book Report: Urban Stormwater Management

review by Robert H. Sydnor, CHG 6, CEG 968, LM-AEG, M-ASCE, M-GSA July 1, 2009 AEG Newsletter



Welty, Claire, *chairman*, and 13 others, 2009, **Urban Stormwater Management in the United States**: National Academy Press, National Research Council, Water Science and Technology Board, 598 pages.

www.nap.edu

ISBN: 13:978-0-309-12539-0

available in both paperback format (\$47.00) or downloadable pdf (\$41.00)

The National Academy of Sciences realized that a comprehensive book was needed for urban stormwater management and the science of erosion in the urban environment.

Here in California we have considerable regulations from the State Regional Water Control Boards that are enforced at the city and county level on newly graded tracts, residential parcels, and commercial sites. Yet many AEG members lack the full background information to comply with the intent of these regulations. Stormwater management is not typically taught in academia. This book fulfills that need, and provides comprehensive updated information.

The book is organized into six chapters:

1, Introduction; 2, The Challenge of Regulating Stormwater; 3, Hydrologic, Geomorphic, and Biological Effects of Urbanization on Watersheds; 4, Monitoring and Modeling; 5, Stormwater Management Approaches; and 6, Innovative Stormwater Management and Regulatory Permitting. In the appendix there is a useful list of acronyms and glossary of technical terms.

This treatise carefully explains the history of the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act (CWA), with emphasis on the 1987 amendment, §402(p), that brought storm water under the control of NPDES.

For urban tracts with earth grading, that meant in 1987 we engineering geologists and geotechnical

engineers began *systematic* use of sandbags, debris basins, rolls of coir, hydroseeding, and related devices....with a comprehensive blueprint plan as part of the grading plans. Prior to 1987, various counties simply told the developer to "winterize" the grading operations from November through March; specific erosion-control plans were vague and varied from county to county. This 2009 treatise greatly expands on earlier guidelines on how to approach various kinds of erosion in the urban environment, and many different strategies are explained.

The National Academy of Sciences devised an integrated team of 14 authors that includes geologists, civil engineers, biologists, toxicologists, fluvial geomorphologists, grading contractors, professors, and regulators. This provides a balanced and integrated approach to stormwater management. Each chapter is replete with abundant references to journal articles, textbooks, laws, and regulations

This 2009 book is recommended to AEG and ASCE members as a up-to-date comprehensive treatise at a reasonable price by a high-level authority. This National Academy book will be welcomed by practicing engineering geologists who may be able to save their clients money by using cost-effective erosion devices and monitoring plans. Professors and regulators will also rely on this authoritative treatise.



AEG Sacramento 2009

Event Calendar

January 29th	No Meeting
February 24th	Dr. Elmund Medley, AEG/GSA 2009 Richard H. Jahns Distinguished Lecturer The Comforts of Ignorance and the Benefits of Arrogance - Lessons of the Failure Kind for the Geopractitioner.
March 11th (Wed)	Mark Molinari, AEG President Practical Applications of Airborne LiDAR Data for Environmental and Engineering Geology Projects
April 28th	AEG's Annual Student Night, Special Student Guest Speakers Christopher Kemp (Fresno State) & Steven Poletski (Sacramento State)
May 26th	Jeff Wright, Rebecca Domingo-Neumann, and Brenda Saldana of the California Air Resources Board will present: Potential Changes to Air Resources Board Asbestos Test Method 435 and Corresponding Revisions to the Airborne Toxic Control Measures
June 30th	Tim McCrink, California Geological Survey GIS-Based Digital Photogrammetry for Geologic and Hazard Mapping
July	No Meeting
August 25th	No Meeting
September 21st-26th	AEG National Meeting, South Lake Tahoe, California
October 27th	Panel Discussion on Board of Registration for Geologists and Geophysicists
November	No Meeting
November 4th	AEG/GRA Symposium: Groundwater Withdrawal-Induced Land Subsidence in the San Joaquin Valley; Radisson Hotel & Conference Center, Fresno, California see http://www.grac.org/subsidence for details"
December	Joint AEG/GRA holiday meeting

Newsletter Advertising !

Eighth Page (Business Card) - 2-in high by 3.5-in wide
 Quarter Page - 4-inches high by 3.5-inches wide
 Half Page - 4-inches high by 7-inches wide
 Full Page - 8-inches high by 7-inches wide

Advertisements may be full color and include logos and other artwork. The digital format specifications and advertising rate structure are currently being developed and will be included in the next newsletter. Questions regarding advertising may be directed to Garry Maurath, gmaurath@urscorp.com, 805.906.1867

Initial advertising rates are based on advertising in either a single issue of the newsletter or all four issues over a one-year period. In the future the newsletter will be published on a quarterly basis.

Advertisement Size	Cost per Issue	Cost per 4 qtr issues.
Eighth Page	\$50	\$150
Quarter Page	\$75	\$225
Half Page	\$150	\$450
Full Page	\$250	\$750



GROUNDWATER RESOURCES ASSOCIATION
OF CALIFORNIA

**Association of Environmental and Engineering Geologists (AEG),
San Joaquin Valley Chapter**
and
**Groundwater Resources Association of California (GRA),
San Joaquin Valley Branch**
present

***Groundwater Withdrawal-Induced Land
Subsidence in the San Joaquin Valley:
A 2009 Perspective***

November 4, 2009
Radisson Hotel and Conference Center
Fresno, California
8:00 am – 6:00 pm

DISCOUNTED HOTEL RESERVATION DEADLINE 10/11/09

Sponsored by AMEC Geomatrix, Inc. 
in cooperation with the United States Geological Survey (USGS) 

- The prospect of renewed episodes of deep land subsidence in the San Joaquin Valley is very real: San Joaquin Valley groundwater levels are at historic lows; groundwater pumping is increasing in response to a drought and cutbacks in surface water deliveries; and Valley population growth has imposed an ever-increasing demand on water supplies. Deep land subsidence threatens infrastructure and buildings, water delivery systems, and long-term water supply capacity. This symposium will examine the current state of deep land subsidence in the San Joaquin Valley. Please join us for a day of presentations from a panel of distinguished speakers who will discuss the many aspects of this topic.

We will address the following issues and topics:

- San Joaquin Valley groundwater supply and aquifer overdraft
- History of San Joaquin Valley land subsidence
- California water policy and implications for subsidence
- Historical and current impacts
- Remote sensing, GPS, and geophysical techniques for assessment
- Lessons learned and mitigation approaches in Phoenix, Arizona and Harris-Galveston, TX area
- Roundtable discussions

**LIST OF AVAILABLE PUBLICATIONS
AEG SACRAMENTO SECTION
FALL 2009**

Note: All suggested donation amounts are for section members in good standing.

*** Suggested donation (S.D.) amounts do not include postage/shipping/handling
Non-members should contact the Section Chair as to prices and availability.**

1. **“Quaternary Geology of the Sacramento Area”**, Guidebook for March 2000 Field Trip; Trip Leaders Dr. Roy Shlemon, Dr. Tim Horner, and Dr. Joan Florsheim; 38 pages with two color photomicrographs plus appendices covering Quaternary channels; economic implications; Pleistocene channels of both the American and Cosumnes Rivers; Stratigraphic settings; Topographic inversions; Fracture Traces. **Suggested Donation (S.D.): \$10 ***
2. **“Engineering Geology Practice In Northern California”**; AEG Special Publication 12, Published 2001, Editors Horacio Ferriz and Robert Anderson, 658 pages, 7 Sections: 1. Overview of Northern California Geology/Groundwater Resources; 2. Landslides; 3. Faults; 4. Facilities; 5. Tunnels & Transportation; 6. Residential; 7. Kaleidoscope **Suggested Donation (S.D.): \$70 ***
3. **“Auburn Damsite Field Trip”**; CD Compilation for 2002 Field Trip; Trip Leaders Joel Sturm and Wendell Carlson of USBR and Brent Smith of PCWA; CD includes Field Trip Introduction; contacts list; 11 PDF articles covering damsite investigation, geohazards and regional geology; 3 PowerPoint presentations of damsite evolution including rare aerial photos; 2 large USBR geologic compilations drum-scanned as JPG’s with legend and rock explanations/descriptions (pdf’s). **Suggested Donation (S.D.): \$15 ***
4. **“Wine & Rocks 2004 Field Trip”**, Guidebook for Spring 2004 Field Trip through Sierra foothills of Sacramento, El Dorado, and Amador Counties; Field Trip Leaders George Wheeldon & David Sederquist; Guidebook includes Road Log; Overview of the Geology (Rocks) including 4 black-and-white geologic map excerpts and 4 color excerpts courtesy of CDMG; 1990 reprint of AAPG Field guide of the Mother Lode Mines in the Sierra Nevada; Wines Section includes background descriptions and wine offerings of 5 Amador/El Dorado County Wineries. **(S.D.): \$20 ***
5. **“Geographic Information Systems (GIS) for Practicing Geologists”**, 2005 Professional Development Workshop; Ringed Binder with tabbed sections presenting talks by 11 Speakers from State and Federal Agencies, Private Consulting Firms, Universities, and Software Vendors. Print-outs and 2 CD’s provide practical examples and applications of GIS techniques to common geologic mapping and hazards evaluation projects. Techniques to store, manipulate and analyze spatial data for geologic applications are described in detail for various projects. Software packages and the capabilities are also explained. **Suggested Donation (S.D.): \$20 ***
6. **AEG – GRA 1995 Field Trip Guidebook**, CD Compilation of Field Trip Guidebook for Joint Annual Meeting, held in Sacramento, CA; 4 Subject Sections, 26 PDF Papers total with graphics: 1. Flood Hazards & Protection Measures for the Sacramento Area; 2. Geology & Geotechnical Aspects of the Lone Formation; 3. Geology & Engineering Geology of the Sacramento Valley to Napa Valley; 4. Geology of the Sacramento Area, Foothills, & Sierra Nevada Mtns. **(S.D.): \$20 ***
7. **Schlemon Conference 2008 Field Trip Guide CD** Compilation of Field Trip Guidebook for Conference held in Folsom, CA; Conference theme was “Overview of Naturally Occurring Hazardous Geologic Substances”; Trip through the Sierra foothills included geologic stops in Amador, El Dorado, Placer, and Nevada Counties showcasing potential radon, naturally occurring asbestos, lignite, chromite, copper, gold (cyanide), arsenopyrite (arsenic) in tailings, cadmium, lead, mercury, barium, cobalt, nickel, selenium, and zinc. **Suggested Donation (S.D.): \$10 ***
8. **“Engineering Geology and Geologic Hazards in the Pit River Area, Eastern Shasta County, California.”**; CD Compilation of 2009 Summer Field Trip Guidebook; Editors Kelly Tilford and Eric Chase; Field trip focused on Modoc Plateau, Cascade Range, and Basin & Range along the Pit River near Burney, California. The trip included case studies of slope stability, paleoseismicity and recent construction challenges. **Suggested Donation (S.D.): \$10 ***

**AEG Sacramento Section – Publications Order Form
Fall 2009**

(Section Members in Good Standing Only*)

<u>Summary Description</u> (details in List of Available Publications)	<u>Suggested Donation*</u>	<u>Quantity</u>
“ Quaternary Geology of the Sacramento Area ”, Guidebook for March 2000 Field Trip	\$10	_____
“ Engineering Geology Practice In Northern California ”; AEG Special Publication 12, Published 2001, 658 pages	\$70	_____
“ Auburn Damsite Field Trip ”; CD Compilation for 2002 Field Trip; 11 PDF Articles, 3 PPT, 2 geologic maps	\$15	_____
“ Wine & Rocks 2004 Field Trip ”, Guidebook with maps for Spring 2004 Field Trip through 3 Sierra Foothill Counties	\$20	_____
“ GIS for Practicing Geologists ”, Ringed Binder and 2 CD’s for Spring 2005 Workshop: examples, techniques, software	\$20	_____
“ AEG – GRA 1995 Field Trip Guidebook ”, CD Compilation of Field Trip Guidebook for Joint Annual Meeting in Sacramento, CA: 26 PDF Papers graphics, maps	\$20	_____
“ Schlemon Conference 2008 Field Trip Guide ”, CD Compilation of Naturally Occurring Geologic Hazardous Substances	\$10	_____
“ Pit River 2009 Field Trip Guide ”, CD Compilation of Engineering Geology and Geologic Hazards, Eastern Shasta County	\$10	_____
Order Total**	\$	_____

**Postage/Shipping/Handling \$ _____

Member Name _____ Member will pick up _____
Initials date

**** Suggested Donation Amounts do not include postage/shipping/handling**
AEG Special Publication 12 P/S/H is currently \$12
All other available publications, P/S/H is \$6 each
Note: Pick-up at AEG Meeting waives P/S/H

** Proceeds from donations tendered by A.E.G. members are used to fund annual academic scholarship awards for deserving Geosciences Students in the greater Sacramento area.*

Mail order form with quantities indicated and check for correct amount, including appropriate P/S/H to:

Pete Holland
 AEG Sac Section Treasurer
c/o Vector Engineering
 143E Spring Hill Drive
 Grass Valley, CA 95945-5936

Member Contact Information:

Preferred phone number: () _____
 E-mail address: _____
 Address (ship): _____

Sacramento Section
Association of Environmental & Engineering Geologists

Official Ballot

2009 – 2010 Ballot for Officers (Select one for each office)

Interim Chair

- John Pfeiffer
- Write-in _____

Vice-Chair

- Peter Holland
- Write-in _____

Treasurer

- Tim McCrink
- Write-in _____

Secretary

- Garry Maurath
- Write-in _____

For the 2010-2011 term the Vice-Chair will automatically advance to the Chair position.

After voting, please cast this ballot at the October monthly meeting. You may also return this ballot in a sealed envelope to: Wallace-Kuhl & Associates, Inc., Attn: John Pfeiffer – AEG Ballot, 3251 Beacon Blvd., Suite 300, West Sacramento, CA 95691

Thanks you for your support of AEG.

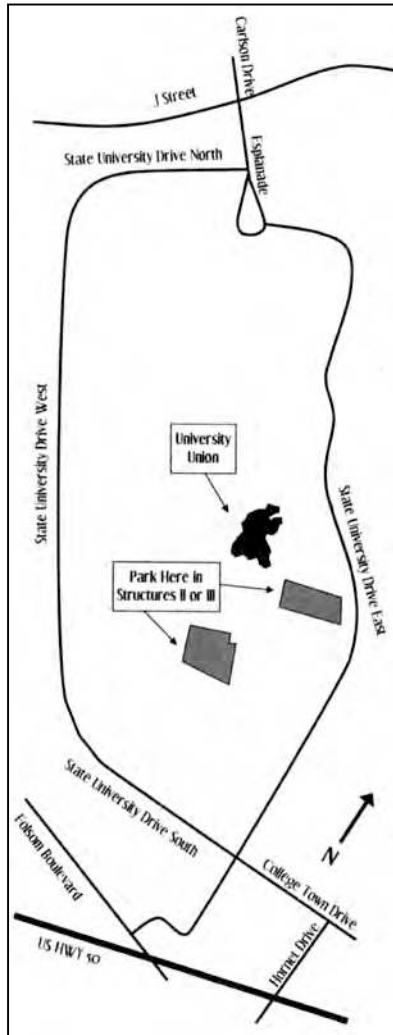
Name (please print clearly)

Signature

CSUS Geology Club Presents the Sixth Annual

Rock Auction!

November 20, 2009 6pm
University Union, Ballroom I



The Silent auction and Live auction
will feature mineral samples,
fossils and garden rocks!

Our kids' area will include games
and prizes. Children of all ages
are welcome to play!

We're still accepting donations. To schedule
a pick-up or arrange a drop-off please email
us at sacstategeologyclub@gmail.com
or call Robin at 916-995-1436.

6000 J Street Sacramento, CA 95819
The University Union is located in the center of campus
and parking is provided in structures II and III.



* Sold at Live auction 2008 – don't miss out!