

Newsletter

Inland Empire Chapter News

Southern California Section, Association of Environmental and Engineering Geologists

Editor: Rick Gundry rick.gundry@verizon.net (951) 924-6756

Feb 1, 2008

Vol. 4, No. 2

"Tsunamis and Earthquake Dynamics"

Wednesday 20-February-2008

5:00 - 6:00	Geologist Orientation	Barroom or Banquet Room
6:20 - 7:20	Dinner Meeting	Banquet Room
7:30 - 8:30	Guest Speaker Presentation	Banquet Room

P.H. WOODS Bar-B-Que & Brewery, Moreno Valley

(Meeting Cost \$16 to \$30, includes gratuity and taxes)

(Fund-raising donation suggested is \$5 or more)

(RSVP/Directions below)

Meeting Details (see inside)

RSVP Due by COB 14-Feb-08

Send Name, Company/Affiliation to

Lbattiato@Kleinfelder.com

or call (909) 793-2691, Kleinfelder

West. State "AEG Meeting" in RSVP

Chapter Officers

Chair

Mike Cook

Kleinfelder West, Inc

(909) 557-1463

MCook@kleinfelder.com

Vice Chair North

– Vacant Position

Contact Mike Cook in interested in becoming a Chapter Officer

Vice Chair South

Mitch Bornyasz

Leighton Group

(951) 252-8926

MBornyasz@leightongroup.com

Treasurer

Lisa Battiato

Kleinfelder West, Inc.,

(951) 506-1488

LBattiato@klenfelder.com

This Month's Speaker :

*Dr. David Oglesby, Associate Professor of Geophysics,
Department of Earth Sciences, University of California, Riverside,
Riverside, California*

Abstract

Tsunamis are one of the most destructive indirect effects of earthquakes. The 2004 Indian Ocean Earthquake and Tsunami emphasized the catastrophic effects that tsunamis can have on an ocean-wide scale. Thus, it is important to understand how such tsunamis are generated. Conventional wisdom has long held that tsunamis, which are long-wavelength, long-period phenomena, are insensitive to the details of earthquake rupture dynamics. My presentation, however, will show that in cases of complex fault geometry, the details of the stress pattern on a fault can determine the path of the earthquake rupture, and in this way greatly affect tsunami generation. The result can be significant effects in tsunami runup, especially in the near field.

Secretary
David Gaddie
RCTLMA/Planning, Riv. Cnty,
DGaddie@rctlma.org

Membership Chair
Richard Orr
Leighton Group
Rorr@leightongroup.com

Field Trip Chairman
Mark Spykerman
Earth Systems Southwest

Communications Committee
Dr. Kerry Cato, Chair
David Gaddie, Chairperson
Rick Gundry, Chairperson

Webmaster
Dr. Kerry Cato
Cato Geosciences
Kerry@catogeosciences.com

Program Chairman
Newsletter Editor
Rick Gundry (see Newshead)

Past Presidents
Frank Jordan 2005
Gary Wallace 2006
Rick Gundry 2007

The AEG Inland Empire Chapter *Newsletter* is a monthly publication of Inland Empire Chapter of the Southern California Section, Association of Environmental and Engineering Geologists. For more information visit websites shown on last page.

Submittals: Deadline 21st of the prior month. Employment notices, job position vacancy announcements - no cost.

Address changes: Contact Rick
Rick.Gundry@verizon.net

Advertisements: *Newsletter* circulation about 140 in greater inland areas of So. California. Advertisements welcome, no cost to post; we will accept some form of Donation, donor recognition list is published from time-to-time.



Biographical Sketch

Dr. Oglesby received his BA in Physics from Carleton College, Minnesota, in 1990, and then received his MA in Physics from UC Santa Barbara in 1993. After deciding to switch from radio astronomy to seismology, Dr. Oglesby switched departments, and received his Ph.D. in Geological Sciences from UC Santa Barbara in 1999. After a one-year post-doc at San Diego State University, he took a faculty position at UC Riverside in 2000 as Assistant Professor, since then becoming tenured as Associate Professor. Dr. Oglesby's research focuses on the physics of the earthquake process. Specifically, Dr. Oglesby is interested in why faults slip like they do, and thus produce the ground motion we record during earthquakes

Comments from the Chapter Chair

I want to thank all that attended our January meeting at Cal Poly Pomona for a very informative presentation on Geohazards in the northwest by Dr. John Clague. The meeting was attended by 18 students and faculty and 10 AEG members. It was an energetic meeting with the commingling of the geologic community with upcoming geologist and geotechnical engineers. The Cal Poly Campus is actively seeking the formation of a Student Chapter of the AEG. If you would like to support their efforts or would like to meet with them to share (mentor) what it means to be a practicing geologist please let me know or contact the Geology Department Directly.

Some up coming events include a one day short course and one day field trip sometime this spring or early summer. Details are being prepared, more information to come. If you would like to help in the planning please contact me directly.

Please note that future RSVP's to attend monthly meetings can be completed by either sending an email to lbattiato@kleinfelder.com or calling Kleinfelder West Inc., Redlands at 909-793-2691 and leave your name and company with the receptionist.

See you at the next meeting and remember a geologist is someone whose pockets tend to be filled with bits of rock.

Mike Cook
Chapter Chairman
AEG Southern California Section
Inland Empire Chapter

Thanks

Thanks to the 16 professionals and 14 students that attended the Joint January AEG Meeting in Pomona at Cal Poly Pomona University, as follows:

Dr. John Clague, Simon Frasier University, British Columbia, Canada; **Dr. John Nourse**, Cal Poly Pomona University, Pomona; **Dr. Jeffrey Marshall**, Cal Poly Pomona University, Pomona, **Dr. Sally McGill**, California State University, San Bernardino; **Mike Cook**, Kleinfelder West, Inc., Redlands; **Lisa Battiatto**, Kleinfelder West, Inc., Murietta; **Dale Hamelhle**, Kleinfelder West, Inc, Murietta; **Doug Cook**, Southern California Edison, Victorville; **Dave Gaddie**, Riverside County Planning, Riverside; **Mark Doeschlag**, Consultant, Riverside; **Jeff Jonston**, LOR Geotechnical, Riverside; **Ernest Roumelis**, AKW Geotechnical, Temecula; **Rick Gundry**, Inland Geologic, Inc, Moreno Valley; **Sean Richards**, Leighton Consulting, Rancho Cucamonga; **Dr. Jeff Marshall** - Assistant Professor and Geology Club Advisor, Cal Poly Pomona University; **Dr. Jon Nourse** - Associate Professor and Geology Club Advisor, Cal Poly Pomona University; and Students, Cal Poly Pomona University: **Rob Ellis** - President, Geology Club; **Daniel Heaton** - Vice President, Geology Club; **Lauren Carey** - Secretary, Geology Club; **Kayla Kroll** - Treasurer, Geology Club; **Shawn Morrish** - Web Administrator, Geology Club; **Julie Brown** - Program Chair, Geology Club; **Kimberly Poste** (who is coordinating the AEG Student Chapter formation), Geology Club; **Jessy Bruns**, Geology Club; **Logan Wicks**, Geology Club; **Evelyn Mejia**, Geology Club; **Allison Ruotolo**; Geology Club; **Bryan Lo**, Geology Club; **Shahrazad Motamedi**, Geology Club; **Charles Johnson** - President, Cal Poly Chapter, California Geotechnical Engineers Cal Poly Chapter Geotechnical Club.

Students Petition for AEG Student Chapter

Seven Geology undergraduate majors of the Geology Club, Department of Geological Sciences at Cal Poly Pomona University, individually filed petitions to AEG Headquarters to create a new AEG Student Chapter

5th Riverside County Water Symposium

Just announced is the Annual Water Symposium to be held 1-May-2008 at Morongo Casino Resort & Spa, 9 am to 3 pm, presented by Albert A. Webb Associates, Riverside. It is hosted by County Supervisors Marion

Ashly, Roy Wilson, Riverside County Water Task Force Chairman Randy Record, and also 1st District Supervisor Bob Buster, 2nd District Supervisor John Tavaglione, 3rd District Supervisor Jeff Stone, and three State Assemblymen, a State Senator and two U.S. Congress persons., and a huge list of other entities and local, City, County State and federal institutions.

Tickets \$135 before 21-Apr, or \$150 after (expecting sell out soon). Make reservation or for additional see/contact www.RIVCOH@O.com, (888) 697-5836

Board for Geologists and Geophysicists

Two of the four 2008 meetings of the Board will be in southern California locations to be determined. The intervening Board meetings will be held in Sacramento (other than examination Committee Meetings): as follows:

8-Feb-2008	Sacramento
9-May-2008	So Cal (TBD)
22-Aug-2008	Sacramento
14-Nov-2008	So Cal (TBD)

The most recent BGG Newsletter is the Summer 2007 issue.

International Year of Planet Earth



On January 15, 2008 the United Nations proclaimed 2008 “ International Year of Planet Earth.”

United Nations proclamation regards the UN Year Jan-2007 through Dec-2009. The focus is earth sciences for society and is a joint venture of UNESCO and IUGS (International Union of Geological Sciences and United Nations Education, Scientific, and Cultural Organisations). For more, and a lot more, information see www.yearofplanetearth.org, then click on flyer or status report or any number of other interesting sites and power point.

Meeting Details and Location

Advance RSVP is requested by Thursday 14-Feb-08. Seating Limited to 35 attendees. E-Mail RSVP to Lbattiato@kleinfelder.com or Call Kleinfelder West at (909) 793-2691. Please state "AEG RSVP:", and leave name and company name and City.

Location: P.H. Woods Bar-B-Que & Brewery

P.H. Woods Restaurant & Draft House
23060 Alessandro Boulevard
Moreno Valley, CA 92553
(951) 653-3850

Meeting Venue: Choose 1 of 5 Dinner Meal choices:

<u>Dinner Specialties (Entries)</u>	<u>Meal (\$)</u>
BBQ Sandwich (brisket or pulled pork)	16
BBQ Chicken	19
BBQ Baby Back Ribs (½ rack)	23
BBQ Combo (2 of 6 choices)	29
BBQ Kansas City Strip Steak (16 oz)	30
Add-ons: Choice of soup or salad (additional)	3

Meal includes choice of two sides, water, soft drinks and beverages, coffee and tea. No host Bar available.



Directions to Meeting.

From the I-215 a few miles south of the I-215/US-60 Interchange, EXIT Alessandro and TURN to head EAST a few miles. Proceed past Day Street and then Frederick Street to then immediately TURN LEFT into Parking area.

From the US 60 a few miles east of the I-215/U-60 Interchange, EXIT at Day Street(Pigeon Pass Road), and turn SOUTH on Frederick Street. Proceed south about 1.5 miles to Alessandro Boulevard. TURN LEFT (EAST), and then immediately TURN LEFT into parking lot.

Future Meetings

MAR Wednesday Mar 20th -2008, Redlands
-- "Engineering Geophysics"
Anthony Martin, Geophysicist, Geovision Geophysical Consulting, Corona, California

APR Wednesday April 16th, 2008, Temecula
-- "Rotating Crust along the San Andreas Plate Boundary"

Dr. Nate Onderdonk, Associate Professor of Geology, Department of Geological Sciences, California State University, Long Beach, Long Beach, California

MAY Wednesday May 21st, 2008, Redlands
-- "The New California Building Code, Particularly Chapter 18 and Appendix J"
Donald P. Coduto, Professor of Geotechnical Engineering, Cal Poly Pomona University, Pomona

JUN Wednesday June 18th, 2008, Temecula
-- "The use of velocity-log data coupled to depth-dependent sample collection techniques from production wells"

Dr. John A. Izbicki, Research Chemist, U.S. Geological Survey, California Water Science Center, San Diego, California

JUL Wednesday July 16th, 2008, Redlands
-- "Attack of the Killer Bacteria - The Fate of Perchlorate at the Stringfellow Superfund Site"
Dr. Galen Kenoyer, PG, Principle Hydrogeologist, Kleinfelder West, Inc., Redlands, California.

AUG Wednesday August 20th, 2008
-- "Demonstration of Virtual Structural Mapping with Terrestrial Photogrammetry"
Jeffrey R. Keaton, MACTEC, Los Angeles, CA

Future AEG Inland Meeting Locations (Temecula and Redlands, only)

Meetings scheduled in both Temecula and Redlands, alternating, through December 2008, will be at Marie Calender Stores either in Redlands or in Temecula.

Other Local Meetings/Symposia

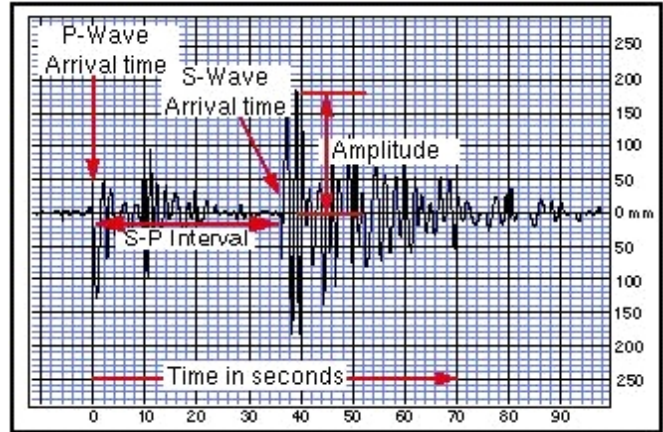
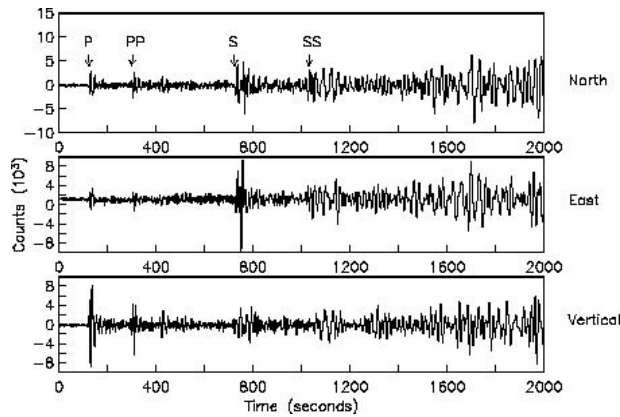
May Thursday May 1, 2008, Banning, Morongo Casino
5th Annual Riverside County Water Symposium
Morongo Casino Resort and Spa, Banning California
www.rivcoh20.com, (888) 697-5836

Earth Science 1st in Space 50 years ago
US (JPL) *Explorer 1* launched, w/ scientific instruments, just after USSR Sputnik that did nothing (orbited first)..

AEG Spring Field Trip

APR Saturday April 5, 2008
 “Emerson Fault Rupture, 16 Years Later”

For details or your input, contact Chapter Field Trip
 Committee Chairman Mark Spyckerman, Earth Systems
 Southwest at: MSpyckerman@eathsys.com



Inland Empire Chapter Officers and Section/National Contact Information

AEG Inland Empire Chapter, 1220 Research Drive, Suite
 B, Redlands, CA, 92374

<http://www.aegsc.org/chapters/inlandempire>

AEG Southern California Section Web-site

<http://www.aegsc.org/>

Association of Environmental and Engineering Geologists
 (Headquarters)

<http://www.aegweb.org>

June 28, 1992, 4:57 am PDT Landers Great
 Earthquake (Mw 7.3), largest aftershock, Big Bear
 Moderate Earthquake (Ms 6.4) a few hours later.

SHORT COURSES

2007 California Uniform Building Code

AEG Inland Empire Chapter is considering to offer a
 one-day or partial-day continuing education course
 involving several speakers concerning the new California
 Uniform Building Code and related items/issues. (Watch
 for new news about this.....COMING SOON.)

Continuing Education Ongoing Short Course “An Introduction to Landslides or Mass Wasting”

An Online course
 AIPG Accredited (3.5 CEU’s)
 rgfont@geosciencedm.com,
 slbishop@geosciencedm.com
www.geodm.com Robert Font, Ph.D.

Connecting . . .

Professionals

Practice,

And the Public

