

## January 2017 Meeting Announcement

# *“Evidence for Middle Pleistocene surface uplift of the northern Cady Mountains, central Mojave Desert, CA”*

## Dr. Norman Meek

Chair of Geography,  
California State University at San Bernardino

Wednesday, February 18<sup>th</sup>, 2017

Location: Pinnacle Peak Steakhouse, Colton, CA

See speaker & meeting details on pages 3 - 4

RSVP to [aeginland@gmail.com](mailto:aeginland@gmail.com) by 5:00pm, Monday January 16, 2016.

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As we move into the early part of 2017, there is a lot of activity occurring at the national level of AEG which is filtering down to the local level, meaning both the former Southern California Section and the Inland Empire Chapter. But before I get ahead of myself, first things first. Our appreciation goes out to Dr. Jeff Keaton for his presentation at our December meeting, "Innovative Modification to Improve Resilience of the Los Angeles Aqueduct after the next San Andreas Earthquake". It never ceases to amaze me on the broad variety of topics and knowledge possessed by Dr. Keaton. The talk was very interesting and the topic brought out a lot of members I haven't seen in a while. I believe this was not only due to the speaker and the topic but, also to possible applications related to water supply in the Inland Empire and future earthquakes. An additional nod goes to Dr. Keaton, as member Frank Jordan pointed out, for his ability to maintain his composure and talk over the adjacent Christmas party in the room at Pinnacle Peak. Ah, the holiday season.

The AEG-Inland Empire Chapter will be busy, at least over the next month, fulfilling requests from AEG National, which refers back to "...a lot of activity..." in my opening sentence. On December 28<sup>th</sup>, I received an e-mail from member Kerry Cato, passed along by Eldon Gath, AEG Southern CA Regional Director, from AEG President, Dale Andrews. As some of you are aware, the Inland Empire Chapter formed over 10 years ago under the Southern CA Section in accordance with AEG bylaws, and apparently, this occurred in many Sections across the country. Under the new AEG governance established in 2016, the Sections have been restructured into Regions with new boundaries and directors voted in for each Region (Eldon Gath). In addition, under the new governance structure, AEG eliminated this layer (Sections) within the Association in hopes that many (AEG uses the term "sub-chapter") would become their own stand-alone Chapter. In essence, the slate has been wiped clean and all former Sections and Chapters need to submit information to AEG National in order to be recognized as legitimate Chapters within their respective Regions. With the new AEG Governance, this is very important for us to finally be officially recognized by AEG National as a legitimate Chapter. Based on the information in the e-mail I mentioned earlier, it's clear on what we need to do to formally establish and maintain the AEG-Inland Empire Chapter. At a minimum, we need to submit the following to AEG National by January 15<sup>th</sup>: A) A petition with at least eight signatures of members that reside within the new Chapter; B) appoint a Chair and Treasurer (at a minimum, we have this already); C) provide a name for the new Chapter from the appointed Chair (we have this already), and D) define a point within the United States that will define their hub (Riverside, CA has been decided upon by the Officers). In a response from AEG National on Friday, January 6<sup>th</sup>, I was informed the January 15<sup>th</sup> deadline is not a hard deadline, although we must have this information to them no later than Wednesday, February 15<sup>th</sup> (some breathing room). The most important item is Item A, the petition. We will make a petition and have it available for signatures by AEG members at our Wednesday, January 18<sup>th</sup> meeting. In addition, we will also make it available for any AEG members that might not be able to attend our meeting but, might be able to attend the Inland Geological Society meeting the week before on Thursday, January 12<sup>th</sup> at LSA Associates, 1500 Iowa Avenue, Suite 200, Riverside, CA 92507.

In my opinion, this is heady and important stuff with a hint of the unknown, like venturing into uncharted waters. I look forward to seeing you at our January meeting at Pinnacle Peak in Colton where the lecture will be "Pleistocene Uplift of the Cady Mountains" presented by Dr. Norman Meek of Cal State San Bernardino. Thank you for your attention.

Greg Johnson  
Chair AEG Inland Empire Chapter

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## Dr. Norman Meek

Chair of the Department of Geography,  
California State University at San Bernardino

*"Evidence for Middle Pleistocene surface uplift of the northern Cady Mountains,  
central Mojave Desert, CA"*

### **Evidence for Middle Pleistocene Surface Uplift of the Northern Cady Mountains, CA**



**Norman Meek**

**Department of Geography and Environmental Studies  
California State University, San Bernardino**

#### **ABSTRACT**

Very little work has been reported on the locations and rates of mountain formation in the central Mojave Block of California, except to attribute most uplift and basin formation to activity that started in the latest Oligocene and was most active in the Miocene. This presentation focuses on new measurements of alluvial fan strata in the eastern Afton basin that show, using time-averaged deposition rates, that rapid surface uplift of the northern Cady Mountains in the Pyramid Canyon area probably began in the middle Pleistocene, and was likely not substantial before that time. The significance of this finding is that Quaternary diastrophism was probably responsible for creating eastern Afton basin, and set up the ponding conditions for the stands of Lake Manix that followed.

#### **SPEAKER BIOGRAPHY**

Norman Meek is a professor and chair of Geography at CSU San Bernardino. He has a B.A. in Geology and Geography (honors) from Kansas, a M.A. in Geography from Michigan State, and a Ph.D. from UCLA in Geography (1990). His research interests are broad, but generally focus on the growth of large drainage networks via overflow, and the Pleistocene lakes in the southwestern U.S. Last year he made a presentation to this audience on the ineffectiveness of headward erosion (defined as the growth of one drainage basin at the expense of another).

**AEG-IE  
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The AEG Inland Empire Chapter Newsletter is a monthly publication of the Inland Empire Chapter of the Southern California Section, Association of Environmental and Engineering Geologists. For more information visit the Chapter website: <http://www.aegsc.org/chapters/inlandempire>

Submittals: Deadline, 25<sup>th</sup> of the month. Employment notices, job position announcements, and advertisements can be posted for a minimal fee. Newsletter circulation exceeds 300 people in greater inland areas of Southern California, and elsewhere.

E-Mail Address changes:  
[aeginland@gmail.com](mailto:aeginland@gmail.com)

## AEG-IE JANUARY MEETING DETAILS

<b>Date/Time</b>	Wednesday, January 18, 2016. Social hour 5:30 - 6:30 Dinner 6:30 - 7:15 Announcements 7:15 - 7:30 Talk and Q&A 7:30 - 8:30
<b>Location</b>	Pinnacle Peak 2533 La Cadena Drive South Colton, CA 92324
<b>Cost</b>	\$25 with RSVP \$10 per student with RSVP and proof of valid student ID \$30 for walk-ins without RSVP
<b>RSVP</b>	<a href="mailto:aeginland@gmail.com">aeginland@gmail.com</a> <b>Deadline is COB Monday, February 16, 2016</b> Individuals who RSVP but do not attend may be charged if the final attendance does not meet the restaurant guarantee.

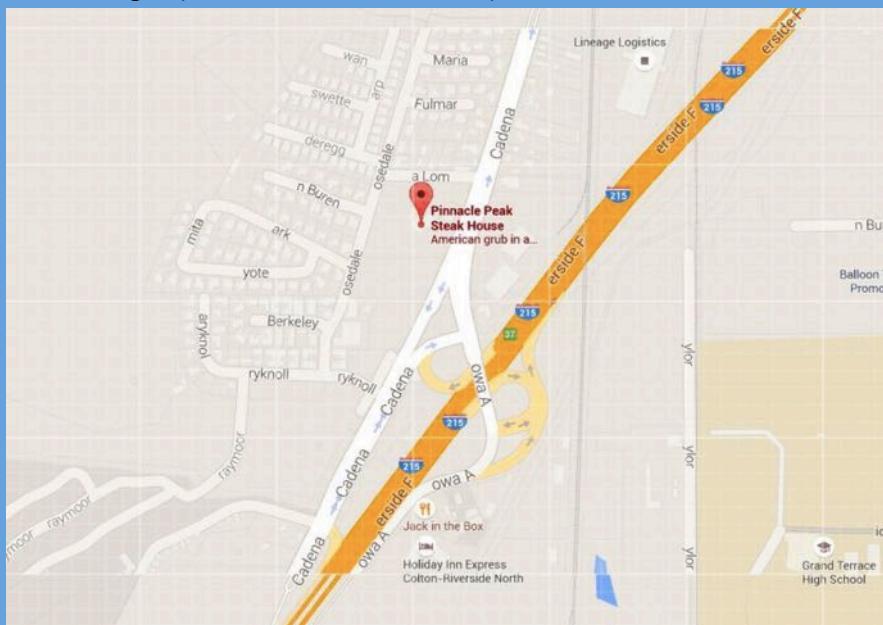
### DIRECTIONS TO THE MEETING LOCATION

**Directions: From I-215 Heading South:**

1. Exit Barton Road and merge onto La Crosse Ave
2. Turn Right onto Barton Road
3. Turn slight Left onto La Cadena Drive South
4. Destination on right. (2533 La Cadena Drive South).

**Directions: From I-215 Heading North:**

1. Exit South Iowa Avenue.
2. Turn Right onto South Iowa Avenue
3. Continue onto La Cadena Drive South
4. Make a U-Turn at West La Loma Street
5. Destination on right. (2533 La Cadena Drive South).



## OTHER MEETINGS

**AEG-Southern California Section:** January 11, 2017 (Wednesday) “Enormous Megaflood on Santa Cruz Island” Speaker: Bruce Carter PhD. Retired Dean of Natural Sciences, Pasadena City College.  
For more information visit: <http://www.aegsc.org/>

**AEG-Inland Empire Section:** January 18, 2017 (Wednesday). *“Evidence for Middle Pleistocene surface uplift of the northern Cady Mountains, central Mojave Desert, CA”* Speaker: Dr. Norman Meek, Chair of Department of Geography, CSUSB.  
For more information visit: <http://www.aegsc.org/chapters/inlandempire/>

**ASCE:** (Orange County Branch). January 19 2017 (Thursday) SUSCOM Bi-monthly Committee Meeting and Breakfast. For more info visit: <http://www.asceoc.org/>

**ASCE:** (San Bernardino-Riverside County Branch). January 20, 2017 (Friday) January Technical Tour. For more info visit: [http://www.asce-sbriv.org/asce\\_new/calendar.html](http://www.asce-sbriv.org/asce_new/calendar.html)

**ASCE:** (San Diego County Branch). January 17, 2017 (Tuesday) YMF Monthly Meeting. For more info visit: <http://www.asce-sd.org/>

**EERI:** (San Diego). TBD. For more info, visit: <http://sandiego.eeri.org/>

**GRA:** January 18, 2017 (Wednesday) San Francisco Branch Meeting: SF Bay Regional Water Board’s Annual Regulatory Update. For more info, visit [www.grac.org/](http://www.grac.org/)

**IGS:** January 12, 2016 (Thursday) “Roadside Geology of Southern California” Speakers: Arthur Sylvester, Ph.D. and Elizabeth “Libby” O’Black Gans. For more info visit: <http://www.inlandgeo.org/>

**LA Basin:** Meeting TBD. For more info visit: <http://www.labgs.org/>

**SCGS:** January 10, 2017 (Tuesday). Topic: “Origin of Life: The emergence of functional polymers” Speaker: Andrej Luptak. For more info visit: <http://www.southcoastgeo.org/meetings.shtml>

**SME:** January Meeting TBD. For more info visit: <http://mine-engineer.com/socalmining/>

**SDAG:** January 18, 2015 (Wednesday). “The Human and Geologic History of Patagonia – A Beautiful Place at the Bottom of the World” Speaker: Monte Marshall  
For more info visit: <http://www.sandiegogeologists.org/Meetings.html>

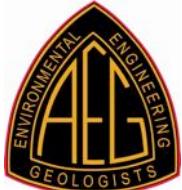
## YOUR AEG OFFICERS

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## AEG MEMBER BENEFITS

### ◆ Conferences -

You will find value at both Annual Meetings and Specialty Conferences and in the technical knowledge and continuing education you receive at these meetings.

[\(More Info\)](#)

### ◆ Networking Opportunities -

With over 3000 members, AEG provides you with access to a wide network of Environmental and Engineering geology professionals at both our local section meetings and at national conferences. [\(More Info\)](#)

### ◆ Publications -

*AEG News*, the Environmental & Engineering Geoscience Journal, and the *AEG Insider* contain relevant geoscientific information, updates on AEG activities, and engaging scientific interest stories. [\(AEG News\)](#) [\(AEG Insider\)](#)

*With benefits like these, of course you want to be part of AEG! We encourage you to spread the word – talk to your co-workers, classmates and friends about AEG and all it has to offer.*

### REMEMBER:

- Student Membership is **FREE!**
- Graduating student receive their first year of full membership for FREE as our Graduation Gift to you (Contact us at [aeg@aegweb.org](mailto:aeg@aegweb.org) to receive your gift)

If you have – **thank you!** Full members receive discounted registration for Annual Meetings and Specialty Conferences.

If you have any questions regarding your membership status or would like to join, please call one of our officers.

## OPPORTUNITY TO VOLUNTEER



# California Earthquake Clearinghouse



Would you like to help out in the event of a damaging earthquake? With your expertise emergency responders can effectively manage earthquake response without the risk of butting heads or micromanaging responders. This is one of the goals of The California Earthquake Clearinghouse and they are expanding into our area. The CEC looking for geologists, engineers and other professionals to help coordinate earthquake field investigations as well as share their knowledge with emergency responders and the engineering and scientific communities. Benefit from shared information, situational awareness, FEMA training and limited liability coverage training. You can find a more detailed history of the CEC, events they have responded to and reasoning behind its creation here:  
[www.californiaeqclearinghouse.org](http://www.californiaeqclearinghouse.org)

### Interested? Additional Questions?

Contact

Andrew Robinson

Geochemistry Laboratory Specialist

Vice Chair South AEG-IE

[arobi002@ucr.edu](mailto:arobi002@ucr.edu)

# CAREER OPPORTUNITY

## **Job Title: Geology Instructional Support Technician**

Job ID: 5885

Location: Cal State Northridge

Full/Part Time: Full-Time

Regular/Temporary: Regular

Job Code: 1617 Instructional Support Technician II

### **Major Duties**

Under general supervision, the Geology Instructional Support Technician II will be responsible for maintaining proper functioning of department equipment; ordering, storing, and distribution of materials and supplies; and related logistical support. The incumbent repairs, maintains, and keeps department equipment operational; orders and maintains supply of lab materials; checks out field equipment to students and faculty, curates the department collections; oversees lab safety; makes annual inventory of laboratory chemicals; maintains Material Safety Data Sheets; is responsible for faculty, staff and students safety training; purchases, moves and performs inventory control of equipment, supplies and materials; uses, oversees and ensures that department vehicles are properly maintained on a regular basis; serves as department webmaster; and performs other duties as assigned.

### **Qualifications**

Equivalent to three years of full time experience providing instructional support services in Geology, or in producing materials or supplies or repairing equipment in a discipline related to Geology; OR equivalent to an Associate's degree with 16 semester units in courses involving extensive use of materials, supplies, or equipment in Geology may be substituted for one year of the required experience; OR equivalent to Bachelor's degree with 16 semester units in courses involving extensive use of materials, supplies, or equipment in Geology may be substituted for two years of the required experience. Bachelor's degree in Geology or Geological Sciences preferred.

**LICENSES:** Valid California Driver's License

# CAREER OPPORTUNITY

## **Knowledge, Skills, & Abilities**

Knowledge of the principles of performing support services; knowledge of the principles, methods, and techniques related to the discipline and the curriculum. Working knowledge of PC/MAC/Linux computer systems. Ability to: plan, organize, and schedule activities; operate and repair technical equipment related to the discipline; maintain records; adjust and perform simple maintenance of technical and scientific equipment; work independently and as part of a team under general supervision; work effectively and sensitively with culturally diverse constituencies; organize activities to achieve an end in a timely manner; work with attention to detail and exercise good judgment; recognize and solve problems; read, understand, interpret, and implement technical riders and other written documents; communicate effectively both orally and in writing; provide good customer service; establish and maintain cooperative working relationships with others.

## **Pay, Benefits, & Work Schedule**

The university offers an excellent benefits package.

The salary range for this classification is: \$3748 - \$6082 per month.

The anticipated hiring range: \$3748 - \$4250, dependent upon qualifications and experience.

Hours: Full Time 40hrs/wk; 8:00am - 5:00pm, Monday through Friday.

## **General Information**

This position is a sensitive position as designated by the CSU

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU.

Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

The person holding this position is considered a 'mandated reporter' under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

# CAREER OPPORTUNITY

## How to Apply

Candidates should apply by completing the CSUN on-line application utilizing [http://bit.ly/HR\\_CSUN](http://bit.ly/HR_CSUN) link. NOTE: Internal candidates should apply through the portal by accessing the View Job Openings/Apply link on the Human Resources/Employee pagelet.

Applications received prior to January 13, 2017, will be considered in the initial screening and will continue until position is filled.

In order to be considered in the initial review, applications must be submitted prior to the date listed above. Application submissions received after the application screening date will be reviewed at the discretion of the University.

For more detailed information on the application and hiring process, please visit the link below:

<http://www.csun.edu/careers/>