



ASSOCIATION OF ENGINEERING GEOLOGISTS

MEETING
ANNOUNCEMENT &
SPEAKER ABSTRACT



SACRAMENTO

| | | |
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| Section Meeting Date: | June 28, 2005, 6:00 - 9:00 PM (Tuesday) | |
| 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 Time: | 6:00 - 6:45 | Sign-In & Social Hour |
| | 6:45 - 7:45 | Dinner |
| | 7:45 - 8:00 | Announcements |
| | 8:00 - 8:45 | Talk & Slide Show |



Geo-Archaeology in the Egyptian Sahara

SPEAKER: Eric Chase
ENSR International

Abstract

For more than 30 years the International Expedition to Egypt has brought together scientists from many nations who jointly explore the most remote areas of the Egyptian Sahara for evidence of prehistoric human activity. The team comprises physical anthropologists, archaeologists, sedimentologists, palynologists, geochronologists, paleontologists, and other specialists from over 25 nations. For several years the team excavated various locations surrounding a desert oasis, Bir Tarfawi, in the southwestern corner of Egypt, where middle Paleolithic people hunted and gathered along the shoreline(s) of a former shallow lake, in savannah-like surroundings that prevailed in the time period from 70ka to 135ka ago.

Findings from stratigraphic logging during the 1987 field season included evidence of seismically-induced

density instabilities in lakebed sediments and underlying aeolian sands, which hold implications for mixing of lithic artifacts from different cultural/stratigraphic levels due to differential settlement of objects having widely varying-mass-to-surface-area ratios. These findings led to the end of my brief career in geo-archaeology, and to the beginning of my enduring interest in early man. A tour of some of Egypt's lesser known wonders will be shown too, in part illustrating it's multi-cultural and multi-ethnic history.



Eric Chase
Chief Geologist
Northern California Operations
ENSR International

AEG National Student Membership Chair

Eric Chase, P.G., C.E.G., C.HG., has over 30 years experience as a consulting engineering and environmental geologist. He has provided environmental program management for several military clients, non-military governmental clients, and industrial clients. His range of program and project expertise includes hazardous waste investigations at oil refineries, marine petrochemical terminals, bulk fuel distribution facilities, chemical manufacturing facilities, agricultural properties, and solid waste facilities. He has also performed numerous fault evaluation studies and has consulted as an expert witness on many ground failure/instability cases. Mr. Chase has served the California Board of Registration for Geologists and Geophysicists for the last three years as a subject matter expert for establishment of pass/fail criteria for the California-specific portion of the Professional Geologist Examination, the Certified Engineering Geologist examination, and the Certified Hydrogeologist examination. He is Chief Geologist for ENSR International's northern California operations, and currently serves as national student membership committee chair for AEG.

His work in Egypt, the subject of this talk, was as a member of the Joint International Expedition to Egypt. He served the expedition in the logging of several archaeological excavations in determination of sediment stratigraphy for correlation of lithostratigraphic units among the various excavated locations.

A Message from Your Board

By Bruce Hilton

Every year, the AEG Sacramento Board tries to dream up another workshop that will offer our members the opportunity to raise the bar in the profession in one form or another. Last month, we conducted our first ever GIS (Geographic Information Systems) workshop at UC Davis with over 50 participants and gaining several new members in the process! Our aim was to focus on hands-on and applied techniques for geologists, engineering geologists, hydrogeologists, and geophysicists



who can benefit from GIS applications. Based on initial feedback from participants, we hit that target pretty well. The one-day workshop included free trial software and lots of valuable data while actually running GIS software along with the speakers for two lessons. Another GIS workshop may be planned for next year depending upon member interest so if you are one of those that missed out, let us know. Additional copies of the 3-ring binder with speaker's powerpoints, tips, references, and data are available at the cost of \$35.00 each. Along the way, we fortified our reserve for the Section and got valuable info out to our members. Look for future, similar authorities and special thanks to our GIS Workshop Committee of Eric Chase, Pat Fisher, Christy Ryan, Keith Millard, Byron Anderson, Allen Driscoll, Ian McGovern, and Glenn Nunnely. This workshop would never have happened without all of you!

Cheers,

Bruce

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(OR E-MAIL BY CLICKING LINK BELOW)

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Or you can sign up online at:

www.aegsacto.org

Subject: June 2005 AEG Sac Section Meeting

Date: June 28, 2005 (Tuesday Evening)

Place: **Sudwerks in Davis**
2001 Second Street, Davis

Time: 6:00 PM - Social
6:45 PM - Dinner
7:45 PM - Announcements
8:00 PM - Speaker
9:00 PM - Close Meeting

Dinner Options:

- \$20 - **Burger**
Cheese Ravioli
Chicken Ceasar Salad
- \$24 - **Herb-crusted Salmon**

Costs shown are for AEG members (with RSVP). Non-members and Walk-Ins add \$2*

Notes*: First 5 RSVP Students Eat For Free; Student RSVPs: \$5 Student Walk-Ins: \$10
Alcoholic beverages for those over 21 are available at the facility on a cash basis.

AEG-SAC Section
<<http://www.aegsacto.org>>
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