

National Association of Geoscience  
Teachers Fall Conference

Oct.10,11,12, 2014



**Friday evening hors d'oeuvres from 6 pm.**

Speaker at 7:30 pm.-Stephen Testa, California State Mining Board-Oil, Gold, Earthquakes and Higher Education in the latter half of the 19<sup>th</sup> Century.

## Saturday light breakfast and drinks

Field trip departure at 8 am.

### Trips.

1. A Traverse of the Sierra Nevada from Sacramento to Donner Summit-Eldridge Moores, Emeritus Professor, Geology Department, UC, Davis
2. Bay Delta Hydrology and Geology-Rob Barry, Chief Project Geology Section, California Department of Water Resources; John Suen, Professor Emeritus, California State Univ., Fresno; Mark Pagenkopp, Geologist, Calif. Dept. of Water Resources
3. Gold, Aggregates, and the Yuba Dredge Fields, California Mineral Education Foundation, Cynthia Pridmore, Engineering Geologist, California Geologic Survey
4. Miocene, Pliocene, and Pleistocene Stratigraphy near Sacramento, CA. Tim Horner, Chair CSU, Sacramento, Geology Department, CSU, Sacramento
5. The Legacy and Effects of Mercury in California Gold Rush Streams  
-Mike Hunerlach, Regional Mining Geologist and Liaison US Forest Service, Charlie Alpers, Research Chemist, United States Geologic Survey.

# Saturday Night Dinner

Hors d'oeuvres from 6pm, dinner at 7 pm

After Dinner talk: The Bay Delta Conservation Plan: How did we get here, and where are we going? Sue McClurg, Deputy Executive Director, Water Education Foundation

## Sunday

Juice, coffee, and muffins

### **Half-Day workshops and field trips**

- A. Understanding Atmospheric Circulation, Modeling, and the Next Generation Science Standards- Judi Kusnick, Professor of Geology, Calif. State University, Sacramento, Rich Hedman
  
- B. Chronozoom Workshop-ChronoZoom ([www.chronozoom.com](http://www.chronozoom.com)) is an open-source web tool providing an infinitely-scalable canvas visualizing the history of everything, from the Big Bang to present. In this workshop, we'll see examples of timelines used in both classroom and online teaching environments, in earth sciences and other historical fields. We'll use the ChronoZoom authoring tool to construct a timeline of historical geology events and will discuss teaching techniques that can be used to present these timelines to students. David Shimbukuro, Assistant Professor of Geology, California State Univ., Sacramento

C. Mineral Use Workshop-Wendy Van Norden, Geology Teacher  
Harvard-Westlake Geology and Far West Director for National  
Earth Science Teachers Association.

D. Field trip to Consumnes River Preserve –Crystal Hootman

The Cosumnes River Preserve is approximately 46,000 acres of  
wildlife habit and agricultural land. The Preserve is an excellent to  
bring k-12 grades for hands on science learning.

E. Field trip to Sierra College Natural History Museum and Lecture  
on Dinosaurs and other Mesozoic Reptiles of California. 9-12 pm-  
Dick Hilton, Professor of Earth Sciences, Sierra College

**To register online using a credit card or your paypal account please  
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If you prefer to pay by check, please download and print the registration  
form at <http://nagt-fws.org/> . You may download a copy of the  
Conference Agenda or look at suggestions for camping on the NAGT  
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