

# NORTHERN CALIFORNIA GEOLOGICAL SOCIETY



## OCTOBER MEETING ANNOUNCEMENT

**DATE:** Wednesday, October 23, 2002

**LOCATION:** Orinda Masonic Center, 9 Altarinda Rd., Orinda

**TIME:** 6:30 p.m. Social; 7:00 p.m. talk (no dinner)  
Cost is \$5.00 per person

**RESERVATIONS:** Leave your name and phone number at 925-424-3669 or at [danday94@pacbell.net](mailto:danday94@pacbell.net) before the meeting.

**SPEAKER:** John Delaney, University of Washington

### **AAPG Distinguished Lecture**

### *Volcanoes, Oceans, and Life in Our Solar System*

Is the presence of an ocean on a planetary body an essential ingredient for the development and evolution of primitive life? Several volcanically active bodies in our solar system show evidence for large, present-day or past accumulations of surface or sub-surface liquid. On Earth, volcano-fluid interactions are recognized as important environments for geobiological processes, but it is unclear the degree to which our insights from Earth are useful in guiding exploration of outer solar system bodies. Rapidly evolving technologies, which include in situ physical, chemical and biological sensors, autonomous robotic platforms, satellite communications, and electro-optical networks of interactive full-ocean laboratories, are radically changing our investigations of oceans on Earth and eventually on other planets.

**Dr. John Delaney** received his B.A. from Lehigh University, his M.S. from the University of Virginia, and his Ph.D. from the University of Arizona. He joined the faculty at the University of Washington in 1977 and has been a Professor in the School of Oceanography since 1988. He has participated in 21 cruises as Chief Scientist, including 10 using Alvin, 4 using the Jason ROV and 3 using the Canadian ROPOS ROV. He has received both a Teaching Award and a Distinguished Research Award from the University of Washington. He has served on numerous committees including: the NEPTUNE Project, NASA Committee to plan the Europa Orbiter Mission, NAE Committee on undersea vehicles and national needs, RIDGE Steering Committee, NAS Workshop on the mid-oceanic ridge: a dynamic global system, NATO Advanced research institute on marine resource assessment, NSF Oceanography panel, Marine geology and geophysics, JOIDES Lithosphere panel, and JOI U.S. Science advisory committee.

*A map to the Orinda Masonic Center is on the back page of the newsletter.*

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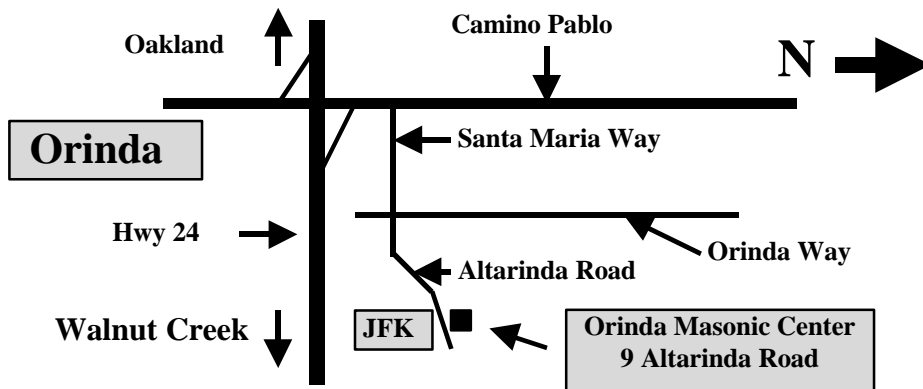
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*Would you like to receive the NCGS newsletter by e-mail?* If you are not already doing so, and would like to, please contact **Dan Day** at [danday94@pacbell.net](mailto:danday94@pacbell.net) to sign up for this service.

# NCGS 2002-2003 Calendar

*Wednesday, October 23, 2002 (please note: this meeting is one week earlier than normal)*

**AAPG Distinguished Lecture**

**John Delaney**, University of Washington

*Volcanoes, Oceans, and Life in Our Solar System*

7 pm at Orinda Masonic Center

*Wednesday, November 20, 2002 (please note: this meeting is one week earlier than normal)*

**Dr. John “Jay” Zucca**, Lawrence Livermore National Laboratory

*Forensic Seismology Supports the Comprehensive Test Ban Treaty*

7 pm at Orinda Masonic Center

*Wednesday, January 29, 2003*

**Dr. Kent Lightfoot**, University of California Berkeley

*Archeology of the San Francisco Bay Area*

7 pm at Orinda Masonic Center

*Wednesday, February 26, 2003*

**Calvin Stevens**, San Jose State University

*Geology of the Mount Morrison Roof Pendant, Eastern Sierra Nevada*

7 pm at Orinda Masonic Center

*Wednesday, March 26, 2003*

**Dr. Constanze Weyhenmeyer**, Lawrence Livermore National Laboratory

*Reconstructing Paleoclimates using Groundwater Isotopes, Ice Cores, and Stalagmites*

7 pm at Orinda Masonic Center

March 31-April 11, 2003 (**tentative; exact date to be announced**)

**AAPG Distinguished Lecture**

**Cindy Yielding**, British Petroleum

*The History of a New Play: Thunder Horse Discovery, Deepwater Gulf of Mexico*

**Location and time to be announced**

*Wednesday, April 30, 2003*

**Dr. Morgan Sullivan**, California State University Chico

*Sequence Stratigraphy of the Ridge Basin, California*

7 pm at Orinda Masonic Center

*Wednesday, May 28, 2003*

**Dr. Ian Carmichael**, University of California Berkeley

**Topic to be announced**

7 pm at Orinda Masonic Center

*Wednesday, June 25, 2003*

**Carol Prentiss**, USGS, Menlo Park, CA.

**Topic to be announced**

7 pm at Orinda Masonic Center

# *Upcoming Field Trips...*

The following field trip is being planned, but has not been finalized! Watch future newsletters for details.

**Rogers Creek/Maacama Fault Zones** Bob McLaughlin, USGS

Spring 2003

## *Bay Area Geophysical Society*

- **Jessica Murray** of Stanford University will talk about earthquake prediction. Set for **November 21, 2002**. Time and other specifics will be announced later. ChevronTexaco, Room TBA, 6001 Bollinger Canyon Road, San Ramon  
Details of Jessica's presentation are covered in a news release posted at the Stanford University website:  
<http://news-service.stanford.edu/news/september25/shaky-925-a.html>
- Stanford Professor **Mark Zoback**, will talk about how scientists launch major earthquake drilling project along the San Andreas fault.  
Set for **January 23, 2002**. Meeting location, time, and other specifics will be announced later.  
A prelude to his talk can be found at the Stanford University news release website:  
<http://news-service.stanford.edu/news/july10/pilothole-a.html>

Please check the BAGS website <http://sepwww.stanford.edu/bags/> regularly for meeting notices and updates.

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## *The NCGS Newsletter Needs Your Help*

Dear members,

You may notice that this month's newsletter is shorter than most. I apologize and promise that the next one will have the September 2002 meeting write-up in it, as well as a short piece on the October 13th Hayward Fault Field Trip and the October 12th Black Diamond Mines Teacher's Day Event. The reason for this delay is simply that I am not able to devote as much time to the NCGS newsletter as I have in years past. This note is a request for help with the newsletter. I've been doing it for years now and although I truly enjoy it, the newsletter should be a group effort. So I have subcategorized the newsletter into five discrete parts in the hope that some of you will be willing to step forward and assume one of these duties to keep the current format intact, or perhaps even expand it. The five parts are:

- 1) Speaker announcement and NCGS meetings/events calendar
- 2) Monthly meeting write-up
- 3) Field Trip flyers and write-ups (work closely with NCGS Field Trip Coordinator)
- 4) Announcements of other Bay Area geoscience organizations (focus on CCGO, GRA, and PSAAPG)
- 5) An editor to assemble these segments into a newsletter and forward it electronically to the printer.

We can tailor these duties to individual needs. Unless someone is interested in the monthly meeting write-up, I am willing to continue doing those articles. A questionnaire circulated a few years ago indicated that the newsletter was an important reason why many members renewed their NCGS dues. So please help us maintain this service!

Those who want to volunteer for one or more of these duties are asked to contact President **Mark Detterman** at [mdetterman@blymyer.com](mailto:mdetterman@blymyer.com) or at **510-521-3773 X143**. Thank you.

Dan Day  
NCGS Newsletter editor