

PUBLIC SERVICE ACTIVITIES

The Press

‘UCSB gets funding from NASA’, Dr. Luann Becker, Tech Briefs, *Pacific Coast Business Times*, February 2-8, 2007.

‘NASA Funds UCSB Mars Soil Probe’, Dr. Luann Becker, *93106*, February 5, 2007.

‘Ice Age die-off laid to space rock’, Dr. Luann Becker, *Goleta Valley Voice*, May 25-31, 2007.

‘Scientists say space rock hit earth 13,000 years ago’, Dr. Luann Becker, *Santa Barbara Daily Sound*, May 25, 2007.

‘New Theory: Did a Prehistoric Comet ‘Kill’ North America?’, Dr. Luann Becker, *Santa Barbara Newsroom*, June 4, 2007.

‘The Great American Extinction’, Dr. Luan Becker, *Discover*, July 2007.

‘Next Stop Mars’, Dr. Luann Becker, *Convergence, The Magazine of the Engineering and The Sciences at UC Santa Barbara*, Summer 2007.

‘Out of this world, MARS: UCSB team may supply digging device, *Santa Barbara News Press*, December 14, 2006.

‘Hot on the Trail; Scientists trek into the backcountry to get samples of a mystery landslide’, *Santa Barbara News Press*, December 19, 2005

‘Secrets Unearthed; UCSB scientists hope drilling in Antarctica unlocks the continent’s mystery *Santa Barbara News Press*, June 12, 2006.

Schools

Outreach Listing:

The Academic Outreach Office in the College of Letters and Science Educational Resources Catalog for K-12 Schools.

Title: Earthquake Presentation

Presenter: Variable/ Institute for Crustal Studies (ICS)

Description: Institute for Crustal Studies researchers will give presentations on earthquakes to schools in the local area. Depending on the class size, presentations can be made in the classroom or at UCSB. Students will learn about different types of earthquakes and will have the opportunity to record their own earthquake. A limited number of presentations are available each year. Scheduling: For more information or to schedule a presentation, contact Giulia Brofferio, ICS, 893-8281, giulia@crustal.ucsb.edu. Intended Grade Level: All

The Institute has an outreach website. <http://www.crustal.ucsb.edu/ics/outreach/>
The quiz found at, <http://www.crustal.ucsb.edu/ics/outreach/understanding/quiz/>

NEES@ UCSB

NEES@UCSB and the National Science Foundation are committed to providing educational opportunities for students of every age and their teachers. We welcome any who are interested in visiting the field laboratories or the University of California at Santa Barbara. If you wish to visit our field sites, please contact us for health and safety tips as well as possible insurance requirements.

In addition to visiting our site, we provide telepresence so that remote experiments can be viewed over the Internet. Please contact us directly for a schedule.

Useful Links:

[Santa Barbara Earthquake History](#) — Historical information about Santa Barbara area earthquakes

[Up-to-the-minute Southern California Earthquake Map](#) — For Java-enabled browsers only
[Cal Tech's Seismo Lab](#) — The people you see interviewed on T.V.

[The 1906 San Francisco Earthquake](#) — (Museum of the City of San Francisco) Historical information about the 1906 San Francisco earthquake

[U. S. Geological Survey, National Earthquake Information Center](#) — General interest earthquake information including maps

[U. S. Geological Survey, Earthquake Hazards Program](#) — General interest earthquake information including hazard assessments

[U. S. Geological Survey, Western Region](#) — Lots of interesting earthquake information

[Surfing the Internet for Earthquake Data](#) — Mostly for researchers, but links to find maps, etc.

[Earthquake Engineering Research Center](#) — at U. C. Berkeley Lots of historical photographs

[San Francisco Exploratorium Earthquake Info](#) — "Hands on" earthquake education

[Southern California Earthquake Center Data Center](#) — The source for southern California earthquake information

[The Busy Educators Guide to the World Wide Web](#) — A collection of web links compiled by Marjan Glavac for educators

[National Academy of Science](#) — Articles about scientific contributions to current technological advances

Outreach in schools:

Ellwood Elementary, Goleta California, November 15, 2006

Richard Lease provided 80 sixth grade students an opportunity to learn about tectonics. Jamie Steidl made a presentation on seismology and how tectonics and seismology relate to each other. Students were able to make their own earthquakes along with seeing photos of real earthquakes that showed them tectonic changes It was part of an education initiative put together by the NEES Inc. EOT Committee, which strives to create a partnership between education experts and NEES resources in order to create middle-school educational modules that meet content standards on math and motion.

Topa Elementary, Ojai California, December 12, 2006

A group of students from Topa Elementary visited the UCSB campus to look at the Seismology Lab. There were approximately 30 students, ranging from 3rd grade to 6th grade. Andy Wyss conducted the tour.

Mountain View Elementary, Santa Barbara California, January 23, 2007

Jamie Steidl made a power point presentation about seismography to a group of 6th grades at Mountain View Elementary. After the presentation, the groups of 60 students were also able to “make their own earthquakes” and view displays that taught them more about volcanic rocks and plate tectonics.

Hope Elementary School Science Fair, March 8, 2007

The Hope Elementary School Science fair is an annual event. The NEES@UCSB exhibit lets children look at a working seismometer in a "see through" plexiglass case. They learn about the equipment that records earthquakes and have the opportunity of recording their very own motion. They type their name into a computer, jump or pound the floor and then take home a printed seismogram with their name on it.

Brandon Elementary, Goleta California, March 22, 2007.

Participated in the school's Science Night.

Outreach for academia:

NEES@UCLA and NEES@UCSB team up for Training

On July 14th, 2006, a joint NEES@UCLA and NEES@UCSB Outreach event was held at the Garner Valley site. Bob Nigbor led an inter-national group of 40 participants that were part of a larger group attending the 4th World Conference on Structural Control and Monitoring at UC San Diego. The Technical Tour (offered only to conference participants) was filled to capacity. The Technical Tour, dubbed “Faults and Earthquake Monitoring in Southern California” highlighted the capabilities of the NEES@UCSB and NEES@UCLA equipment sites and featured a visit to the Garner Valley Field site. The Tour included a stop along the San Andreas Fault across the Coachella Valley from Palm Springs and then finished with a tram ride up the side of Mt. San Jacinto.