

Seminars and Conferences

UCSB On-campus

2004-2005

UCSB Family Summer Camp, lecturer, Tanya Atwater

UCSB Foundation semi-annual meeting, invited presentation Tanya Atwater and Ralph Archuleta: "Southeast Asian Earthquake and Tsunami"

UCSB Staff Development Day, invited presentation, Tanya Atwater

Half day presentation for 4-5th grade Teacher Workshop on Earth Science, UCSB Campus, Tanya Atwater

UCSB Speaker's Club: January 2005, Construction and Collapse of the Norwegian Nappe Stack: Evolution of the Nordfjord-Sogn Detachment Zone, Hornelen Region, Norway, Scott Johnston

Off Campus-Invited Lectures

2004-2005

Geological Res. Div., Scripps Inst Oceanography, La Jolla, CA, Tanya Atwater

Geology Dept., University of Montana, Missoula, MT, Tanya Atwater

Dept. Earth and Ocean Sci., Univ. of British Columbia, Vancouver, BC, Tanya Atwater

Dept. Geological Sci., Central Washington University, Ellensburg, WA, Tanya Atwater

Dept. Geology and Environmental Sci., Western Washington Univ., Bellingham, WA, Tanya Atwater

Lecturer, Faults and Oilfields Short Course, Santa Clarita, CA, Tanya Atwater

Lead off speaker, SCEC Workshop: Plate Tectonophysics of Southern California at Cal Tech, Pasadena, CA, Tanya Atwater

Participant and poster presenter, Teaching with Visualizations, Workshop at the American Geophysical Union Meetings, San Francisco, CA, Tanya Atwater

Keynote address for SOURCE (Symp. On University Research and Creative Expression), Central Washington Univ., Ellensburg WA, Tanya Atwater

Featured speaker for Soc. of Women Geographers Triennial Meeting, Savannah, GA, Tanya Atwater

Mineralogical Society of America Distinguished Lecturer: Near-ultrahigh pressure processing of subducted continental crust: Miocene crustal xenoliths from the Pamirs, Bradley Hacker

Texas A&M University, "Phase transformations and earthquakes", Bradley Hacker

Rice University, “Phase transformations and earthquakes”, Bradley Hacker

Gordon Research Conference “The Role of Water in Rock Deformation”, Bradley Hacker

University of Wisconsin, “Antipodal fates of continental crust” , Bradley Hacker

Augustana College, “Antipodal fates of continental crust”, Bradley Hacker

Kansas State University, “Phase transformations and earthquakes”, Bradley Hacker

European Geosciences Union “Exhumation of Ultrahigh-Pressure Rocks: Constraints from Geochronology”, Bradley Hacker

Technical University of Freiberg, “Antipodal fates of continental crust” and “Phase transformations and earthquakes”, Bradley Hacker

Technical University of Berlin/Potsdam University, “Phase transformations and earthquakes”, Bradley Hacker

University of Würzburg, “Phase transformations and earthquakes”, Bradley Hacker

University of Bucharest, “Antipodal fates of continental crust” and “Phase transformations and earthquakes”, Bradley Hacker

University of California, Davis, “Antipodal fates of continental crust”, Bradley Hacker

Goldschmidt Conference Keynote Address, “Geochronology of the Western Gneiss Region UHP Terrane”, Bradley Hacker

Geological Survey of Norway, “Evolution of the Western Gneiss Region”, Bradley Hacker

University of Arizona, “Cenozoic tectonic and magmatic evolution of the Sonoran Rifted Margin”, Phillip Gans

Pamona College, "Cenozoic tectonic and magmatic evolution of the Sonoran Rifted Margin", Phillip Gans

Invited Presentation: Pacific Section Society of Exploration Geophysicists, Bakersfield, CA, “Decrease in natural marine hydrocarbon seepage near Coal Oil Point, California, associated with offshore oil production”, March 2005, Bruce Luyendyk

Invited Presentation: ANDRILL Workshop, Denver, CO, “Proposed Drill Sites Along Front of Ross Ice Shelf”, April 2005, Bruce Luyendyk

Invited Presentation: Colorado College, Colorado Springs, CO, Decrease in natural marine hydrocarbon seepage near Coal Oil Point, California, associated with offshore oil production, May 2005, Bruce Luyendyk

Invited Presentation: NOAA, Boulder CO, “Marine Hydrocarbon Seeps Santa Barbara Channel”, May 2005, Bruce Luyendyk

GSA: October 2004, Pelite Thermobarometry and Monazite Geochronology Reveal Pre-Ultrahigh-Pressure Orogeny in the Hornelen Region, Norway, Scott Johnston

AGU: December 2004, Exhumation of Norwegian Ultrahigh-Pressure Rocks: Microstructural Evolution of the Nordfjord-Sogn Detachment Zone, Hornelen Region, Norway, Scott Johnston

GSA Annual Meeting, Time scale of seawater circulation and dolomitization within the lower Floridan Aquifer, November 2004, Jordan F. Clark

GSA Annual Meeting, Gas transport below artificial recharge ponds: Insight from dissolved noble gases and a dual gas (SF₆ and ³He) tracer Experiment, November 2004, Jordan F. Clark

AGU Annual Meeting, Utilizing Tritium and CFC-12 to Determine Groundwater Sources in an Unconfined Aquifer Within the Abalone Cove Landslide, Palos Verdes, California, December 2004, Jordan F. Clark

AGU Annual Meeting, Temporal Shifts in Radiocarbon in Spring Waters: Implications for Decadal Controls on Element Cycling in a Mountain Catchment, December 2004, Jordan F. Clark

Peña Blanca OSTI Project Semi-Annual Workshop, Tracing groundwater flow and transport with sulfur hexafluoride, February 2005, invited talk, Jordan F. Clark

GSA Cordilleran Section Meeting, A comparison of hydrogeologic models, tritium/³He, and deliberate tracer experiments to understand ground water residence time, April 2005, Jordan F. Clark

5th International Symposium on Managed Aquifer Recharge, Gas transport below artificial recharge ponds: Insights from dissolved noble gases and a dual gas tracer experiment, June 2005, Jordan F. Clark

5th International Symposium on Managed Aquifer Recharge, A sulfur hexafluoride tracer experiment as a tool to check the previous results of ³H/T ages and geohydrology at the Montebello Forebay, California, June 2005, Jordan F. Clark

12th Biennial Symposium on Groundwater Recharge, A comparison of hydrogeologic models, June 2005, Jordan F. Clark

GeoForschungsZentrum, Potsdam, Germany: Approach to orogenic steady state: the evolution of nascent ranges: 6 July, 2004, Douglas W. Burbank

University of Potsdam, Germany, Himalayan erosion at decadal to million-year time scales: the interplay of climate and tectonics: 7 July, 2004, Douglas W. Burbank

August 17, 2004, PTTC Conference, Valencia, CA, Presentation of modern and geologic hydrocarbon pathways in the Santa Barbara area, James Boles

Invited keynote talk, "Refining the sedimentary record of orogenesis," International Association of Sedimentologists, Coimbra, Portugal, 14 September, 2004, Douglas W. Burbank

Sept. 17, 2004, Seminar at Seismological Laboratory, Caltech, "Monitoring environment by Seismic Waves", Toshiro Tanimoto

Oct. 19, 2004, Seminar at Seismological Laboratory, UC Berkeley, "Monitoring environment by Seismic Waves", Toshiro Tanimoto

Shoreline Preservation Class, Santa Barbara, CA, Oct. 22, 2004. Where does the tar on the Coal Oil Point beaches come from?, Ira Leifer

UCLA: "Monsoons and mountain building: erosion and uplift of the High Himalaya" November 10, 2004, Douglas W. Burbank

Nov. 11, 2004, SCEC Tectonophysics Workshop, "Deep structure and anisotropy in Southern California", Toshiro Tanimoto

Nov. 23, 2004, Seminar at Institut de Physique du Globe in Paris, "Seasonality in Particle Motion of Microseisms", Toshiro Tanimoto

Nov. 25, 2004, Seminar at Institut de Physique du Globe in Strasbourg, "The Continuous Background Oscillations", Toshiro Tanimoto

Nov. 26, 2004, Seminar at Black Forest Observatory, Germany, "Seasonality in Particle Motion of Microseisms", invited talk, Toshiro Tanimoto

Nov. 29, 2004, Seminar at Observatoire Midi Pyrenees, Toulouse, France, "The Continuous Background Oscillations", Toshiro Tanimoto

Dec. 13, 2004, AGU Fall Meeting (S12B-03), "Seasonal variation in particle motion of microseisms and monitoring of water content at shallow depths", Toshiro Tanimoto

American Geophysical Union Fall Meeting, Dec. 14, 2004 "Mass-Transport and Relative Sea Level Change in a Carboniferous Deglacial Succession: Jejenes Fm, Quebrada las Lajas, San Juan, Argentina", Mason Dykstra

American Geophysical Union Fall Meeting, Dec. 15, 2004 "The Internal Structure and External Morphology of Submarine Landslides: A Causative Link", Mason Dykstra

Dec. 15, 2004, AGU Fall Meeting (T31C-1313), "Recent tomographic results in Southern California and their tectonic implications", Toshiro Tanimoto

Invited AGU: Detrital record of Himalayan orogenesis, Dec. 17, 2004.

UCSC: "Monsoons and mountain building: erosion and uplift of the Nepalese Himalaya", January 21, 2005, Douglas W. Burbank

February 2, 2005 at UCLA (Dept. of Earth and Space Sciences, Seismology Seminar), "Monitoring Environment by Seismic Waves", Toshiro Tanimoto

February 7, 2005, Occidental Petroleum, Long Beach, CA, Presentation to engineers and geologists on geochemistry of carbonate scaling, James Boles

February 13-18, 2005, Calgary, CANADA, Gallagher Visiting Research Scientist
Lectures on geologic and modern evidence for fault controlled hydrocarbon pathways,
and evidence for disequilibrium during rapid de-gassing of CO₂, James Boles

The University of Tennessee, Knoxville, TN, February 15, 2005, "Mass Transport
and the Creation of Accommodation Space on Continental Margins", Mason Dykstra

The University of Bremen, Bremen, Germany, March 2, 2005, "Mass Transport and
the Creation of Accommodation Space on Continental Margins", Mason Dykstra

March 20-26, 2005, Seoul and other cities, SOUTH KOREA, a series of 10 hours of invited
lectures on diagenesis, including the work on faults and the Mission Tunnel in the
Southern California area, James Boles

April 13, 2005, Chevron-Texaco, Lost Hills, CA, Presentation to engineers and geologists on
geochemistry of carbonate scaling, James Boles

April 30, 2005, AAPG Pacific Section Meeting, San Jose, CA, James Boles, Carbon/oxygen
isotopic ratios as evidence for rapid CO₂ degassing and carbonate Crystallization. (with
T. Carpenter). Abstracts to Program, v.37, p.60, James Boles

April 30, 2005, AAPG Pac Section-GSA San Jose, CA, James Boles, Numerical reactive
transport modeling of the effects of leakage of methane-rich fluids along the Refugio-
Carneros fault in the Santa Barbara basin. Garven presentation, with co-authors M.
Appold, J. Boles, and P. Eichhubl. Abstracts to program, v.37, p.6104 Canadian
presentation by R. Perez on albitization

Leifer I., Directions in water column bubble and bubble-plume research, ONR Gassy Sediments
Workshop, Bay City, Mississippi, Apr 24-27, 2005.

Institute of Seismology, Beijing, May 16, 2005: "Single crystal dating and the detrital record of
orogenesis", Douglas W. Burbank

15th Conference on Deformation mechanisms, Rheology and Tectonics, Invited Keynote talk:
Role of surface processes in orogenic evolution: Interactions of climate, erosion, and
tectonics in the Nepalese Himalaya, May 2, 2005, Douglas W. Burbank

Leifer I, T. Del Sontro, K. Broderick, and B. Luyendyk, Time evolution of beach tar, oil slicks,
and seeps in the Coal Oil Point seep field, California. *2005 International Oil Spill
Conference*, Miami Beach, Florida, May 15 - 19, 2005

American Association of Petroleum Geologists' Annual Meeting, Calgary, Canada,
June 21, 2005, "Meandering Turbidite Channels and the Effective Depth of
Turbidity Currents", Mason Dykstra

Workshops

Interaction of tectonics, erosion, and climate along a transect from Tibet to the Himalayan foreland Workshops, by Douglas Burbank and collaborators

Organized by Prof. Burbank of the Institute for Crustal Studies at the Department of Hydrology and Meteorology, His Majesty's Government Nepal at various times during the year.

Earth Education Collaboration

The goals are to introduce a faculty team from a variety of institutions to the EarthEd Online software system. A primary goal is to test determine how this resource fits the team's needs, and to specify what modifications and additions are needed to proceed to the beta test stage. A strategy for moving the software system from beta test to possible adoption will be developed. Also, because the team has extensive experience with online learning, another goal is to summarize "best practices" and other related issues to this learning modality.

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http://oceanography.geol.ucsb.edu/Collab/workshp_2004/index.html