PAPERS PUBLISHED


BOOKS PUBLISHED


MEDIA PUBLICATIONS


*Underlined names are students at SJSU
ABSTRACTS PUBLISHED WITH PROFESSIONAL PRESENTATIONS


Metzger, E. P., Sedlock, R. L., and Cruz, W., 2005, Incorporating earth science concepts into introductory physics and chemistry classes: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 82.


*Underlined names are students at SJSU


Memeti, V., Economos, R.C., Erdmann, S., Paterson, S., and Miller, R. B., 2005, Regional and emplacement-related tectonism during intrusion of the Tuolumne batholith: Results from the Benson Lake and May Lake pendants, Sierra Nevada, California: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 70.


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Steiglitz, T., Burnett, W. C., Bukuniewicz, H., Cable, J., Charette, M., Kontar, E., Krupa, S., Moore, W., Oberdorfer, J., Povinec, P., & Taniguchi, M., August 2005, The Quantification of Submarine Groundater Discharge in the Coastal Zone via Multiple Methods; a UNESCO/IAEA Initiative, IAG/IAPSO/IABO Joint Assembly, Cairns, Australia.

**Sedlock, R. L.,** and **Metzger, E. P.,** 2005, The South Bay Geo-Diversity Project: Earth science for all students: Geological Society of America Abstracts with Programs, v. 37, no. 4, p. 82.

**Sedlock, R. L.,** 2005, Recent results from Mesozoic rocks in the Puerto Nuevo region, Vizcaíno Peninsula, Baja California: Peninsular Geological Society, VII International Meeting, Abstract with Program, p. 28.


**Williams, J. W.,** May 2005, Update on activities of the National Association of State Boards of Geology (ASBOG) and the licensing of geologists in the United States Geological Society of Nevada Annual Meeting, Reno, Nevada.


### TECHNICAL AND ORAL PRESENTATIONS


**Miller, J. S., Burgess, S.D., Miller, R. B.** and **Teruya, L.,** April 2005 Fossil magma systems in arc crust: the geochronology, geochemistry, and field petrology of the Tuolumne Intrusive Series, Sierra Nevada batholith: Cordilleran Section Geological Society of America, annual meeting, San José, CA (invited presentation).

*Underlined names are students at SJSU*
Miller, J. S., Burgess, S. D., Miller, C. F., Miller, R. B., and Bergantz, G. B. May 2005, Zircon saturation and the viability of magma bodies during intrusion of the Tuolumne Intrusive Series, Sierra Nevada Batholith, California, American Geophysical Union Spring Meeting (Joint Assembly), New Orleans, LA (invited presentation).


Reed, D. L., April 2005, Oceanography online: Transforming the university experience: Romberg-Tiburon Center for Environmental Studies, San Francisco State University, Tiburon, California.


Reed, D. L., September 2004, Plagiarism and Turnitin.com: Cure or panacea? Center for Faculty Development and Support, San Jose State University, San José, California.

Reed, D. L., September 2004, The ocean system: The Headlands Institute, Sausalito, California.

Williams, J. W., October 2004, The Role of Ethics in the National Association of State Boards of Geology (ASBOG), annual meeting, Boise, Idaho.

TRAVEL

Harden, D. R., Cordilleran Section Geological Society of America, annual meeting, San José: student volunteer coordinator.


Metzger, E. P., October 2004, Geological Society of America, annual meeting, Denver, CO.

Metzger, E. P., August 2004, National Science Foundation panel review, Washington, D.C.

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Miller, J. S., June-July 2005: Lab work in University of North Carolina Isotope Geochemistry Laboratory

Miller, J. S., June 2005: USGS Microprobe Lab

Miller, J. S., May 2005, Eldorado Mountains, southern Nevada, Cordilleran Section Geological Society of America, annual meeting, field trip leader.

Miller, J. S., April 2005: Cordilleran Section Geological Society of America, annual meeting, San José, CA.


Miller, J. S., February 2005: UC Davis Microprobe Lab

Miller, J. S., December 2004: American Geophysical Union, annual meeting, San Francisco, CA.


Miller, R. B., August 2005, Yosemite National Park, California. Geological field research focusing on structure of the Sierra Nevada batholith; supervised field research of a SJSU M.S. student.


Miller, R. B., December 2004, American Geophysical Union Meeting, San Francisco.

Miller, R. B., April-May 2005, Cordilleran Section Geological Society of America, annual meeting, San José, CA.

Miller, R. B., November 2004, Geological Society of America National Meeting, Denver, CO.

Miller, R. B., September-October 2004, Yosemite National Park, California. Geological field research with SJSU M.S. students and colleague J.S. Miller; work focused on structure of the Sierra Nevada batholith.


Reed, D. L., August, 2005, EarthEd Advisory Committee Meeting, Hood River, OR.

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Reed, D. L., April, 2005, NSF MARGINS Steering Committee Meeting, National Science Foundation, Arlington, VA.

Reed, D. L., April, 2005, NSF MARGINS Steering Committee Meeting, National Science Foundation, Washington, D. C.

Reed, D. L., April-May, 2005, Cordilleran Section Geological Society of America, San José, CA.


Reed, D. L., October, 2004, NSF MARGINS Steering Committee Meeting, Lamont Doherty Earth Observatory, Columbia University, Palisades, NY.


Stevens, C. H., Several visits to field areas in east-central and southeastern California.

Williams, J. W., May 2005, Nevada Geological Society Annual Meeting Reno, NV.

Williams, J. W., April 2005, Geological Society of America Cordilleran Section Meeting, San José, CA.

Williams, J. W., October 2004, National Association of State Boards of Geology Annual Meeting, Boise, ID.


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SPECIAL STUDIES

**Andersen, D. W.**, July-August, 2005, participated in excavation of fossil mammoth from Guadalupe River in San José, CA.

**Messina, P.**, March, 2005: Structures, surface processes, and landscape development in Guadalupe and Big Bend National Parks, TX.

**Messina, P.**, March, 2005: Survey of selected Mojave localities after the flood of 8/04, and above-average annual rainfall, Death Valley National Park, CA.


**Reed, D. L.**, 2004-2005, Member of Steering Committee for MARGINS Program, National Science Foundation.

**Reed, D. L.**, 2004-2005, Member of Selections Committee for Digital Library for Earth System Education.

**Reed, D. L.**, Member of EarthEd Advisory Committee, University of California, Santa Barbara, CA.

**Sedlock, R. L. (with Metzger, E.P.),** Co-Director of the Bay Area Earth Science Institute (BAESI), a professional development program for teachers of grades 6-12.

**Sedlock, R. L. (with Metzger, E.P.),** July 2005-present, co-presenter of science content for 6th-grade teacher workshops, Ravenswood school district, East Palo Alto, CA; funded by California Math Science Partnership.


**Sedlock, R. L.**, April 2005, led field trip to Hayward fault in Fremont, CA (110 participants, mostly students in grades 6-9).


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CONSULTING


**Messina, P.**, November, 2004: PBS “Nature” television series, Death Valley National Park program planning, logistics, and on-site interview, Gianna Savoie (WNET), producer; Mike Single (Natural History New Zealand), cinematographer. Tentative broadcast date: January 2006.


GRANTS

**Messina, P.**, “General Education Online Curriculum Development”, San José State University E-campus, ($5,000, 5/05).

**Metzger, E. P.** (with Cindy Schmidt), NASA Earth Science for Teachers, NASA ($187,677, 8/15/05-8/14/06)

**Miller, J. S.**, (with C. F. Miller—Vanderbilt University and J. Faulds—UN-Reno) Collaborative Research: Processing magma and constructing plutons in the upper crust: Insights from magma chambers from top-to-bottom views of plutons and associated volcanic sequences National Science Foundation ($84,214 08/01/01-07/31/05)

**Miller, J. S.** (with C. F. Miller, D. Furbish—Vanderbilt Univ. and J. Faulds—UN-Reno) Elucidating Physical Processes in Upper Crustal Magma Systems—Evidence from Miocene Intrusive and Extrusive Sequences in Southern Nevada (with Calvin Miller, Vanderbilt University) National Science Foundation ($138, 892) 07/01/04-06/30/08.


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**MISCELLANEOUS**

**Andersen, D. W.**, 2005, Finance Chair for Cordilleran Section Geological Society of America annual meeting, San José, CA.

**Andersen, D. W.**, April, 2005, received Distinguished Educator Award from the Pacific Section of the American Association of Petroleum Geologists.


**Metzger, E. P.**, Panelist for the National Science Foundation.

**Metzger, E. P.**, selected as a 2005-2006 National Association of Geology Teachers Distinguished Speaker.

**Metzger, E. P.** August 2005, Invited presentation on rocks and minerals to 24 fourth grade teachers in UC Berkeley's Bay Area Science Project.

**Metzger, E. P.**, July 2005, co-led (with **Joan Carter**) a one-week workshop for fourteen 6th grade teachers in San José's Franklin McKinley-School District.

**Metzger, E. P.** (with **Richard Sedlock**), May 2005, convened an oral session at the Cordilleran Section Geological Society of America annual meeting in San José: "Diverse student populations - recruiting techniques for attracting them, curricular and extracurricular strategies for retaining them".

*Underlined names are students at SJSU*
Metzger, E. P., April 2005, (with Richard Sedlock) led a half-day field trip to explore the effects of the Hayward fault on downtown Fremont for about 50 middle and high school teachers and students and introductory geoscience students and instructors from San José City College and the National Hispanic University.

Metzger, E. P. (with Richard Sedlock), April 2005, led a half-day field trip to Santa Teresa Hills County Park for about 20 teachers in conjunction with the Cordilleran Section meeting of the Geological Society of America in San José, CA.

Metzger, E. P., March 2005 (with three SJSU geology students), made a 50-minute hands-on presentation on rocks and minerals to about 150 middle and high school students as part of MESA Day at SJSU.

Metzger, E. P., 2004-2005, teamed with SJSU geology students to make presentations at San José City College and National Hispanic University about geoscience careers and field trip, internship and scholarship opportunities.

Metzger, E. P., 2004-2005, led or co-led four full-day Bay Area Earth Science Institute workshops for teachers.


Metzger, E. P., October 2004 (with Richard Sedlock), led a full-day field trip explore coastal geology for about 100 middle and high school teachers and students and introductory geoscience.

Miller, J. S., Editorial Review: Geological Society of America Bulletin

Miller, J. S., Editorial Review: Geology

Miller, J. S., Editorial Board: Geology, serving 3-year term which began Spring 2005.

Miller, J. S., Peer review: National Science Foundation

Miller, J. S., Chair, Cordilleran Section Geological Society of America and Pacific Section of the American Association of Petroleum Geologists 2005 annual meeting (through May 2005)

Miller, R. B., Associate Editor for the international journal Tectonics; 10 manuscripts.

Miller, R. B., Peer review of National Science Foundation proposals.

Miller, R. B., Peer review for Journal of Structural Geology

Miller, R. B., Peer review for Geological Society of America Special Paper.

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Miller, R. B., Peer review for Canadian Journal of Earth Sciences.

Miller, R. B., External Thesis Committee Member –
Univ. of Alabama (M.S. thesis – 2002-present)

Miller, R. B., Referee for Ph.D. dissertation, Charles University (Prague, Czech Republic)

Miller, R. B., Technical Program Chair for Cordilleran Section Geological Society of America annual meeting, San José, CA.


Reed, D. L., Member of organizing committee for 2004 SJSU Academic Integrity Week.

Reed, D. L., Judge, MARGINS Student Best Research Paper Award, Fall 2004 American Geophysical Meeting.

Reed, D. L., Peer review, National Science Foundation, Division of Ocean Sciences.

Reed, D. L., Peer review, Tectonics Journal, American Geophysical Union.

Sedlock, R L., May 2005, A/V Chair, Cordilleran Section Geological Society of America, annual meeting, San José, CA.

Sedlock, R. L., May 2005, led half-day field trip to Santa Teresa Hills for Geological Society of America teacher workshop.

Sedlock, R. L., 2005, Peer review of manuscript for the journal Geology.

Sedlock, R. L., 2005, secretary-treasurer of Peninsular Geological Society (Baja California Geology).

Stevens, C. H., 2005, Field trip coordinator for Cordilleran Section of the Geological Society of America annual meeting in San José. Co-editor for field trip guidebooks associated with the meeting.

Williams, J. W., 2005, Member, Geoscience Workforce Advisory Committee American Geological Institute.

*Underlined names are students at SJSU
Williams, J. W., 2005, Organizer, Technical Section on Ethics, Cordilleran Section Geological Society of America, annual meeting, San José, CA.

Williams, J. W., 2004-2005, Chair, Ethics Committee, National Association of State Boards of Geology (ASBOG).


Williams, J. W., 2004-2005, Member, International Relations Committee, National Association of State Boards of Geology (ASBOG).


Williams, J. W., Coordinator, AEG Annual Student Night, San Francisco Section of Association of Geologists.