

February 27, 2012

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RE: SCEC 2011 Project # 11043 annual report

Title: Cosmogenic dating of faulted sedimentary deposits in the Transverse Ranges of Southern California: Presentation of results from 2009-2010 SCEC funded projects at SCEC 2011

Overview:

This grant provided \$1000 for travel and accommodation at the 2011 SCEC annual meeting held September 10-14, 2011 in Palm Springs. These funds paid for three rooms at the meeting for 4 graduate students and two project PIs. The students included: Hannah McKay (MS CSUN 2011, Figure 1), Shahid Ramzin (MS CSUN 2012 pending), Paul Mcburnett (MS CSUN 2011), and Josh Graham (MS CSUN 2013 pending). The project PIs also in attendance included Drs. Richard Heermance and Doug Yule from CSUN. We presented four posters based on our 2009-2010 SCEC-funded work (projects 11043, 10164) in the San Gorgonio Pass and from Ojai, CA, respectively.

These projects have produced six SCEC abstracts to date, and two manuscripts are currently in preparation (Yule et al. & Heermance et al.). In addition, these projects have supported four MS theses at California State University Northridge:

- *McKay, Hannah*. Geology M.S., November, 2011. Thesis: Quaternary Stratigraphy and geologic evolution of Ojai and Upper Ojai Valleys, western Transverse Ranges, California. Department of Geological Sciences M.S. thesis, California State University Northridge, 57 p.
- *McGuire, K.E.*, Geology M.S., December 2011, Thesis: Tracking cosmogenic ^{10}Be in multiple grain sizes down an alluvial system in an active orogen. Department of Geological Sciences M.S. thesis, California State University Northridge, 123 p.
- *McBurnett, Paul*, Geology M.S., December, 2011. Thesis: "Paleoseismicity of the San Gorgonio Pass fault zone at Millard Canyon: Testing the likelihood of a through-going San Andreas rupture."
- *Ramzan, Shahid*, Geology M.S., pending 2012. Thesis: "Constraining the most recent rupture of the San Gorgonio Pass fault zone near Cabezon, CA."

This grant provided funding to support student attendance at the 2011 meeting, providing invaluable experience for them.

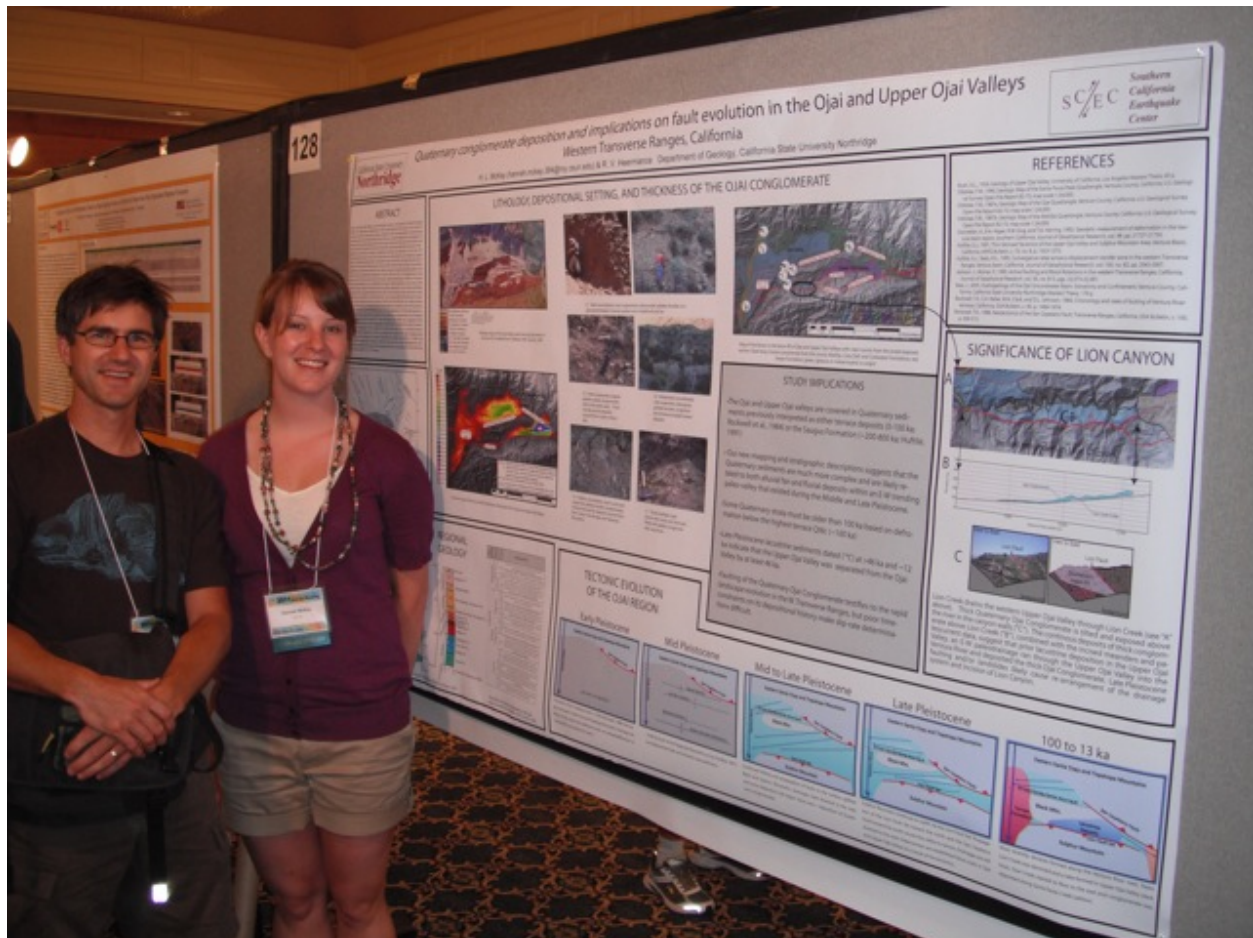


Figure 1: CSUN MS student Hannah McKay and advisor (SCEC PI) Richard Heermance at the 2011 SCEC annual meeting.