

CURRICULUM VITAE—2011

Richard A. Schweickert
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My ongoing research includes:

Crustal evolution of mountain belts, with emphasis on North American Cordillera, California-Nevada, Alpine chain. With NSF funding, I have carried out research in Alaska, California, Nevada, Chile, Argentina, Newfoundland, Italy, and Corsica. **Current projects include:**

Active faults, landslides, tsunamis, stratigraphy in the Lake Tahoe basin
Structural geology of the Humboldt Range, Nevada, and adjacent areas
Structure and stratigraphy of the Saddlebag Lake pendant and adjacent areas

Major discoveries of work by my students and I since the early 1980's include:

- regional thrust faults in the eastern Sierra Nevada
- a Triassic caldera near Tioga Pass, Yosemite National Park
- a major syn-batholithic dextral strike-slip fault system with over 400 km displacement in the Sierra Nevada
- Paleozoic and Mesozoic subduction complexes and island arcs in the Sierra Nevada
- active faults, megalandslides, and past tsunamis in the Lake Tahoe basin

Degrees:

B.S. Geology, with distinction and honors, Stanford University, Stanford, California, 1967

Ph.D. Geology, with Departmental Honors, Stanford University, Stanford, California, 1972

Academic Positions Held:

- Visiting Assistant Professor of Geology, California State College, Sonoma, Fall, 1972-73
- Lecturer in Geology, California State University, San Jose, California; Spring, 1973
- Visiting Assistant Professor of Geology, Calif. State Univ., San Francisco, San Summer, 1973
- Assistant and Associate Professor of Geology, Columbia Univ., New York, N.Y.; 1973 - 1982.
- Professor of Geology, University of Nevada, Reno; July, 1982 - 2010:
 - Undergrad and Grad courses in structural geology, stratigraphy, field geology, tectonics, intro geology
 - Chairman, Department of Geological Sciences, Univ. Nevada, Reno, 1993-2000.
 - Director, UNR Geology Fieldcamp, 2005-2009.
- Emeritus Professor, 2010

Fellowships and Awards

1967: Honorary International Minerals and Chemical Corporation - Louis Ware Fellow.

1968-71: National Science Foundation Fellow, Stanford University.

1971: Recipient of Roy Angus MacDiarmid Award of Stanford University

1994-2010: UNR Foundation Professor

Over 200 professional publications, including:

Selected papers published in refereed journals.

Lahren, M.M., **Schweickert, R.A.**, Mattinson, J.M., and Walker, J.D., 1990, Evidence of uppermost Proterozoic to Lower Cambrian miogeoclinal rocks and the Mojave-Snow Lake fault: Snow Lake pendant, central Sierra Nevada, California: Tectonics, v. 9, p. 1585-1608.

Lahren, M.M., and **Schweickert, R.A.**, 1991, Tertiary brittle deformation in the central Sierra Nevada,

- California: Geol. Soc. America Bull., v. 103, p. 898-904.
- Lahren, M.M., and **Schweickert, R.A.**, 1994, Sachse Monument pendant, central Sierra Nevada, California: Eugeoclinal metasedimentary rock near the axis of the Sierra Nevada batholith: Geol. Soc. America Bull., v. 105, p. 186-194.
- Greene, D.C., and **Schweickert, R. A.**, 1995, The Gem Lake shear zone: Cretaceous dextral transpression in the Northern Ritter Range pendant, eastern Sierra Nevada, California: Tectonics, v. 14, p. 945-961.
- Dickinson, W. R., **Schweickert, R. A.**, and Ingersoll, R. V., 1996, Alternate origins of the Coast Range ophiolite (California): 1. Coast Range ophiolite as back-arc-inter-arc basin lithosphere: GSA Today, v. 6, no. 2, p. 2-4.
- Schweickert, R.A.**, and Lahren, M.M., 1997, Strike-slip fault system in Amargosa Valley and Yucca Mountain, Nevada: Tectonophys., v. 272, p.25-41.
- Greene, D.C., **Schweickert, R.A.**, and Stevens, C.H., 1997, Roberts Mountains allochthon and the western margin of the Cordilleran miogeocline in the Northern Ritter Range pendant, eastern Sierra Nevada, California: Geol. Soc. America Bull., v. 109, p. 1294-1305.
- Lahren, M.M., and **Schweickert, R.A.**, 1999, Triassic caldera near Tioga Pass, CA: Geol. Soc. America Bull. v. 111, no. 11, p. 1714-1722.
- Ichinose, G.A., Anderson, J.G., Satake, K., **Schweickert, R.A.**, and Lahren, M.M., 2000, The potential hazard from tsunami and seiche waves generated by large earthquakes within the Lake Tahoe basin, California-Nevada: Geophys. Res. Lett. v. 27, p. 1203-1206.
- Grasse, S.W., Gehrels, G.E., Lahren, M.M., **Schweickert, R.A.**, and Barth, A.P., 2001, U-Pb geochronology of detrital zircons from the Snow Lake pendant, central Sierra Nevada: Geology, v. 29, p. 307-310.
- Blein, O., Lapierre, H., and **Schweickert, R.A.**, 2001, A Permian island-arc with a continental basement: The Black Dyke Formation (Nevada), North American Cordillera: Chemical Geology, v. 175, p. 543-566.
- Schweickert, R.A.**, Lahren, M.M., Smith, K.D., and Howle, J.F., 2004, Transtensional deformation in the Lake Tahoe region, California and Nevada: Tectonophys. v. 392, p. 303-323.
- Moore, J.G., **Schweickert, R. A.**, Robinson, J., Lahren, M.M., and Kitts, C., 2006, Tsunami-generated boulder ridges on Tahoe City Shelf, Lake Tahoe, California: Implications for landslide and tsunami hazards: Geology, v. 34, p. 965-968.
- Schweickert, R.A.**, and Lahren, M.M., 2006, 60 k.y. record of extension across the western boundary of the Basin and Range province: Estimate of slip rates from offset shoreline terraces and a catastrophic slide beneath Lake Tahoe: Comment: Geology, v. 34, doi: 10.1130/G22409C.1

One hundred published abstracts.

PROFESSIONAL SERVICE

1. *Associate Editor, Geological Society of America Bulletin, 1981-1988.*
2. *Vice-Chairman, 1992; Chairman, 1993 Cordilleran Section, Geological Society of America*
3. *Advisory Panels for Tectonics, Continental Dynamics, and Instrumentation and Facilities programs, 1989-1991, National Science Foundation*
4. *General Co-Chairman, 1993 Cordilleran/Rocky Mountain Section Meeting, Reno, Nevada.*
5. *General Chairman and Technical Program Co-Chair, 2000 Geological Society of America National Meeting, Reno, Nevada.*
6. *Member, Tahoe Science Advisory Group, 2001-2005.*
7. *Steering Committee, National Science Foundation 2005 DOSECC Tahoe Coring Workshop*

RESEARCH GRANTS, 1990-present (Over \$1.5M)