

## BIOGRAPHICAL SKETCH

### Robert A. Horton, Jr.

Chair, Department of Geological Sciences  
California State University, Bakersfield, CA 93311

#### (a) Professional Preparation

SUNY Binghamton	Geology	B.S., 1973
University of Tennessee	Geology	M.S., 1977
Colorado School of Mines	Geology	Ph.D., 1985
Getty Minerals Co.	Geologist	1976-77
Bendix Field Engineering Corp.	Senior Geologist	1977-79
Anaconda Minerals Co.	Research Geochemist	1982

#### (b) Appointments

CSU Bakersfield		
Professor		1992-present
Interim Associate Vice President for Grants, Research, & Sponsored Programs		2007-09
Associate Professor		1988-92
Assistant Professor		1985-88
Lecturer		1984-85

#### (c) Publications

##### Five most related to proposed project (\*\*undergraduate and \*graduate coauthors)

- Negrini, R. A., McCuan\*, D. T., Cassata, W. S., Channell, J. E., Verosub, K. L., Knott, J. R., Coe, R. S., Liddicoat, J. C., Lund, S. R., Horton, R. A., Lopez\*, J. D., Benson, L. V., and Sarna-Wojcicki, A. M., *in review*, A Holocene-like nondipole field and flooding dipole during the 35-32ka Mono Lake excursion: submitted to Nature Geoscience.
- Horton, R. A., Jr., McCullough\*, P. T., and Hanson\*, D. M., 2009, Grain dissolution, compaction, and development of secondary intergranular porosity, western San Joaquin Basin, California *in* Knauer, L., Contributions to the Geology of the San Joaquin Basin, California: Pacific Section AAPG Miscellaneous Publication 48, p. 147-172.
- Pennell\*, D. A., and Horton, R. A., Jr., 1996, Cyclic-steam-induced diagenesis in Potter sand, Midway-Sunset field, California *in* Nilsen, T. H., Wylie, A.S., and Gregory, G. J., Geology of the Midway-Sunset Oil Field and Adjacent Temblor Range, San Joaquin Basin, California: AAPG-SEPM Guidebook, p. 237-242.
- Mitchell, S. W., and Horton, R. A., Jr., 1995, Dolomitization of modern subtidal sediments, New Providence Island, Bahamas *in* Curran, H. A., and White, B., eds., Terrestrial and Shallow Marine Geology of the Bahamas and Bermuda: Geological Society of America Special Paper 300, p. 189-199.
- Horton, R. A., Jr., 1994, X-ray diffraction in the geology curriculum at all levels: Journal of Geological Education, v. 42, p. 452-454.

##### Five other significant publications

- Byington\*, C., and Horton, R. A., Jr., 2009, Petrology and porosity development of deeply buried arkosic sandstones, Great Basins Petroleum well 31x-10, central San Joaquin basin *in* Knauer, L., Contributions to the Geology of the San Joaquin Basin, California: Pacific Section AAPG Miscellaneous Publication 48, p. 173-180.
- Negrini, R., Baron, D., Gillespie, J., Horton, R., Draucker\*, A., Durham\*\*, N., Huff\*, J., Phillely\*\*, P., Register\*\*, C., Parker, J., Haslebacher, T., 2009, A middle Pleistocene lacustrine delta in the Kern River depositional system: structural control, regional stratigraphic context, and impact on groundwater quality *in* Knauer, L., Contributions to the Geology of the San Joaquin Basin, California: Pacific Section AAPG Miscellaneous Publication 48, p. 99-118.
- Horton, R. A., Jr., Dunwoody\*, J. A., and Menzie\*, R. J., Jr., 1990, Petrographic aspects of diagenesis and porosity development, Jacalitos and Coalinga oil fields, California *in* Kuespert, J. G., and Reid, S. A. (eds.), Structure, Stratigraphy, and Hydrocarbon Occurrences of the San Joaquin Basin, California: Pacific Section Society Economic Paleontologists Mineralogists Publication 64, p. 247-252.

Horton, R. A., Jr., and de Voto, R. H., 1990, Dolomitization and diagenesis of the Leadville Limestone (Mississippian), central Colorado: Economic Geology Monograph no. 7, p. 86-107.

Horton, R. A., Jr., Geissman, J. W., and Tschauder, R. T., 1984, Paleomagnetism and rock magnetism of the Mississippian Leadville (carbonate) Formation and its implications for the age of sub-regional dolomitization: Geophysical Research Letters, v. 11, p. 649-652.

**(d) Synergistic Activities**

Kern County Science Foundation Board of Directors  
Director and Board of Governors, California Well Sample Repository  
San Joaquin Geological Society (Secretary, Vice President, and President)  
Society for Sedimentary Geology (Vice President of Pacific Section)  
American Association of Petroleum Geologists: House of Delegates, CSUB Student Chapter Liaison,  
Distinguished Lecturer Committee, Rules and Credentials Committees

**(e) Collaborators and Other Affiliations**

**a. Collaborators and Co-Editors**

D. Baron, Department Physics and Geology  
A. Britton, Core Labs  
E. Campbell-Stone, University of Wyoming  
R.H. DeVoto, Colorado School of Mines  
J. Geissman, University of New Mexico  
J. Gillespie, Department Physics and Geology  
T. Haslebacher, Kern County Water Agency  
L. Knauer, ChevronTexaco  
M. Milliken, U.S. Department of Energy  
S. Mitchell, Department Physics and Geology  
J. Parker, Kern County Water Bank  
S.A. Reid, Occidental Petroleum  
W.C. Riese, Vastar Resources  
G. Thyne, Colorado School of Mines

**b. Graduate Advisors**

Dietrich Roeder, Retired  
Richard DeVoto, Deceased  
John Geissman, University of Texas at Dallas (formerly of CSM)

**c. Graduate Students**

C. Byington (Consultant)  
K. Coodey (Oxcidental)  
A. Draucker (Chevron)  
N. Durham (Clear Creek Systems)  
J. Gillespie (CSUB)  
D. Hanson (Aera)  
J. Huff (Calif. DOGGR)  
I. Knauer (Chevron)  
D. McCuan (CSUB)  
P. McCullough (ETIC Engineering))  
D. Pennell (Area)  
P. Philley (unknown)  
B. Taylor (E&B Production Co)