

Tammy R. Metzger

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EDUCATION

Juris Doctorate with emphasis in Environmental and Natural Resources Law, May 2002.
Northwestern School of Law of Lewis and Clark College, Portland, Oregon.

Certificate of Alternative Dispute Resolution, May 2002. Straus Institute for Dispute Resolution
at Pepperdine University School of Law, Malibu, California.

Master of Arts in Geography, December 1998. University of California, Santa Barbara.
Thesis entitled Climate Change and Sierra Nevada Snowpack.

Certificate of Hazardous Materials Management, March 1995. UC Riverside Extension.

Bachelor of Science in Environmental Science, August 1993. University of California, Riverside.

EXPERIENCE

TRIAL CONSULTANT, PRESIDENT

August 2005 to Present

JuriSense
Seal Beach, California

Assisting attorneys with all aspects of litigation, including mediations, negotiations, focus groups, mock trials, theme development, graphics, communication strategies, preparing expert witnesses, *voir dire* and post-trial interviews.

Assisting with communication, such as reviewing opening statements and closing arguments for consistency with focus group research and themes that resonate with jurors, evaluating demonstrative evidence for clarity and effectiveness in furthering case themes and helping attorneys with storytelling skills, voice and courtroom demeanor.

ADJUNCT FACULTY

July 2004 to December 2005

Irvine Valley College
Irvine, California

Taught Physical, Cultural and World Regional Geography. These courses provide a broad overview of the physical and social sciences, in the context of space; i.e., examining the patterns of human activity and geophysical phenomena by understanding the effects of location.

Physical Geography examines the sun/earth relationship and energy balance, the character of the atmosphere, weather, climate, vegetation, biomes, composition of the earth, plate tectonics, landform development and reduction, water, and the modification and pollution of the earth by humans. Cultural Geography includes population growth, economic development, political organization, cultural and ethnic conflict, the variety of agriculture, the history, growth and patterns of settlement and the rise of industrialism. World Regional Geography provides a systematic study of the major geographic regions of the world, including physiographic features, natural resources, cultural heritage, population characteristics, economic development and future prospects.

PARK NATURALIST
December 2003 to April 2004

Department of Parks, Recreation & Marine
Long Beach, California

Led children on educational nature tours at the El Dorado Nature Center, stopping to examine insects, flora and fauna. Maintained the park grounds.

RESEARCH ASSOCIATE
July 2002 to November 2003

Metzger Law Group
Long Beach, California

Conducted legal research and wrote responses to motions, prepared subpoenas, researched epidemiological studies, assisted with trial.

CONSULTANT, PRESIDENT
August 2001 to July 2002

Legal and Scientific Consulting
Santa Barbara, California

Provided attorneys immediate assistance with legal research and writing, expert witnesses, scientific evidence, trial preparation, negotiations and evaluating environmental documents for law firms, government organizations and private industries in environmental, patent and criminal law.

CERTIFIED LAW CLERK
November 2001 to May 2002

Santa Barbara County District Attorney's Office
Santa Barbara, California

Prepared to prosecute several misdemeanor jury trials, but all cases terminated in settlement agreements or guilty pleas before commencing jury selection. Argued before the court for preliminary hearings and sentencing, wrote motions and assisted with all aspects of trial work in the Criminal Division. Wrote a section on negotiation strategy and proofread a chapter of the Environmental Crimes Prosecution Manual, Published by the California District Attorneys Association.

LAW CLERK
February 2001 to April 2001

Oregon Department of Justice, Natural Resources Section
Salem, Oregon

Conducted legal research on various topics, including secured transactions, civil procedure, delegation of agency power, public officers' duties and construction liens for property on state land.

LAW CLERK
March 2000 to January 2001

National Oceanic and Atmospheric Administration
Seattle, Washington

Developed a statistical method to introduce toxic tort causation evidence following the guidelines established by the Supreme Court's ruling in *Daubert v. Merrell Dow*.

TEACHING ASSISTANT
January 1999 to March 1999

University of California
Santa Barbara, California

Ran the laboratory for a Regional Planning and Policy class where the students created detailed plans for a hypothetical city.

RESEARCH EXPERIENCE FOR UNDERGRADUATES

June 1992 to August 1992

National Science Foundation**University of Nevada, Reno**

Conducted original research for an ongoing iron chemistry project at the Leviathan acid mine drainage Superfund Site. Collected and analyzed water samples, submitted an abstract and presented a project overview and results.

NEWSPAPER FEATURES WRITER

December 1991 to June 1992

University of California**Riverside, California**

Interviewed experts in water quality, atmospheric chemistry, soil physics, human health and various other fields to report and analyze environmental issues.

INTERN ENGINEER

August 1990 to September 1991

Loral Aerospace**Newport Beach, California**

Repaired and programmed laser solder inspection equipment. Set up manufacturing machinery and trained inspectors. Translated technical missile electronics manufacturing and process control specifications into simplified instructions for assemblers.

PUBLICATIONS and PRESENTATIONS (Please note, Tammy Johnson is my maiden name.)**LITIGATION CONFERENCE PRESENTATIONS**

Metzger, T.R., HarrisMartin's Trial of a Benzene Case Conference

December 8-9, 2008, New York Marriott Marquis Hotel in Midtown Manhattan, NY

Metzger, T.R., HarrisMartin's California Asbestos Conference

September 15, 2008, The Beverly Wilshire Hotel in Los Angeles, CA

Metzger, T.R., HarrisMartin's Asbestos Conference: Trial of a Mesothelioma Case from Jury

Selection to Verdict, June 23-24, 2008, The Peninsula Hotel in Chicago, IL.

Metzger, T.R., HarrisMartin's Benzene Litigation Conference: Trial of a Benzene-Leukemia Case

from Jury Selection to Verdict, December 3-4, 2007, The Westin New York Hotel in New York, NY.

Metzger, T.R., Mealey's Benzene Litigation Conference, December 4-5, 2006, The Ritz-Carlton

Battery Park in New York City.

PRESENTATIONS WITH PUBLISHED ABSTRACTS

Johnson, T.R., J. Dozier and J. Michaelsen, *Climate Change and Sierra Nevada Snowpack*, International Union of Geodesy and Geophysics 1999 Meeting, Birmingham, England.

Johnson, T.R., J. Dozier and J. Michaelsen, *Climate Change and Sierra Nevada Snowpack*, American Association of Geographers 1998 Spring Meeting, Boston, Massachusetts.

Johnson, T.R., J. Dozier and J. Michaelson, *Climate Change and Sierra Nevada Snowpack*, American Geophysical Union 1997 Fall Meeting, San Francisco, California.

Johnson, T.R., P. Fohl and J. Dozier, *Climate Change and Sierra Nevada Snowpack*, International Snow Science Workshop ISSW 1996, Banff, Alberta, Canada.

PEER REVIEWED PAPERS (Both in Books)

Johnson, T.R., J. Dozier and J. Michaelson, 1998, [*Climate Change and Sierra Nevada Snowpack*](#), Interactions Between the Cryosphere, Climate and Greenhouse Gases, 63-70 (Proceedings of the International Union of Geodesy and Geophysics, Birmingham, England, July 1999), International Association of Hydrological Sciences Publication no. 256.

Johnson, T.R., J. Dozier and J. Michaelson, 1999, *Snowpack Accumulation Trends in California*, 299-304, North Atlantic Treaty Organization Advanced Study Institute, [*Ice Physics in the Natural and Endangered Environment*](#), Series 1: Global Environmental Change, Vol. 56 (Proceedings of this NATO ASI were held in Maratea, Italy, September 1997).

CONFERENCE PAPERS

Metzger, T.R., *10 Tips for Trial Attorneys*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Benzene Litigation Conference December 8-9, 2008, New York City.

Metzger, T.R., *Plaintiff's Jury Selection in a Mesothelioma Case*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Asbestos Litigation Conference June 23-24, 2008, Chicago.

Metzger, T.R., *Plaintiff's Jury Selection in a Benzene Leukemia Case*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Benzene Litigation Conference, December 3-4, 2007, New York City.

Metzger, T.R., *Plaintiff's View of a Benzene Leukemia Case*, Mealey's Benzene Litigation Conference, December 4-5, 2006, New York City, pp 109-135.

Johnson, T.R., J. Dozier, J. Michaelson and P. Fohl, *River Basin Variations in Sierra Nevada Snowpack Accumulation Trends*, Proceedings of the 65th Western Snow Conference, 1997, Banff, Alberta, Canada, pp 310-316.

Johnson, T.R., P. Fohl and J. Dozier, *Climate Change and Sierra Nevada Snowpack*, International Snow Science Workshop ISSW 1996, Banff, Alberta, Canada, pp 29-34.

OTHER PUBLICATIONS

Environmental Crimes Prosecution Manual, Published by the California District Attorneys Association (I authored a section on negotiation strategy and proofread a chapter written by Deputy District Attorney John Fentis.)

Remedial Investigation, Feasibility Study, Installation Restoration Program (RI/FS IRP) March Air Force Base, CA. (I wrote the chapters for Sites 37 and 38, PCB spill sites, summarizing the investigation efforts and results, including risk assessments and remediation strategies.)

Toxic Hot Spots Emissions Plans and Reports, Stormwater Pollution Prevention Plans, Emergency Response Plans and Waste Reduction Plans (I authored these regulatory reports for small to medium-sized California companies.)

The Highlander, UC Riverside. (I wrote features articles on water quality, atmospheric chemistry, soil physics, human health and various other fields to report and analyze environmental issues.

Johnson, T.R., *The Resolution*, in Rapisarda, J., ed., Holding on to Forever: The International Library of Poetry at 181 (Watermark Press, Owings Mills, MD 2001).

SEMINARS

Climate Change, Butterfly Extinctions and Sierra Nevada Snowpack, Environmental Science Department at the University of California, Riverside, April 1999.

Climate Change and Sierra Nevada Snowpack, Hydrology Group of the Center for Advanced Studies, Research and Development in Sardinia, Italy, September 1997.

Snow Science Statistics, Statistics Department at the University of California, Santa Barbara, January 1997.

RESEARCH AND GRANTS

University of Nevada	Reno, NV	National Science Foundation	1992
Original research for iron chemistry project at a Superfund Site, submitted abstract, presentation.			
NATO Advanced Study Institute	Maratea, Italy	North Atlantic Treaty Org.	1998
IUGG Annual Meeting	Birmingham, UK	Am. Geophysical Union	1999
University of California	Santa Barbara, CA	NASA funded M.A.	1995-1998

PUBLIC SERVICE

Member of Board of Directors of [Friends of the Los Angeles River](#) (FoLAR)
Long Beach [Community Emergency Response Team](#) (CERT) member

Graduate representative to UC Santa Barbara's Geography Department faculty meetings
Geography representative to UC Santa Barbara's Graduate Student Association
Vice President of Association of Environmental Professionals, UC Riverside Chapter
Volunteer Planetarium Lecturer at the Santa Barbara Museum of Natural History
Geography Awareness Week presentations for local grade school children

COURSEWORK

Core Law Courses

Administrative Law
Advanced Legal Research
Civil Procedure
Constitutional Law
Contracts
Criminal Law
Criminal Procedure
Evidence
Legal Writing
Professional Responsibility
Property
Remedies
Torts
Wills and Trusts

Environmental / ADR / Criminal / Trial Courses

Alternative Dispute Resolution
Arbitration Practice
Criminal Internship – Santa Barbara
District Attorney’s Office
Criminal Practice Seminar
Environmental Law
Environmental Litigation
Environmental Regulation
International Trade and the Environment
Interviewing, Counseling, and Planning
Land Use Planning
Law / Science / Environment Seminar
Mediation
Mock Trial
Negotiation and Settlement Advocacy
Trial Procedure
Water Law

ENVIRONMENTAL MANAGEMENT

Environmental Economics
Environmental Impact Analysis
Internship in Environmental Sciences
(Assistant to Board Member of the
South Coast Air Quality
Management District)
Regional Planning and Environmental Policy
Workshop in Environmental Management

HAZARDOUS MATERIALS MANAGEMENT

Environmental Fate of Hazardous Substances
Environmental Toxicology and Risk
Assessment
Hazardous Materials Management
Health and Safety Training for Hazardous
Waste Workers (40-Hour OSHA
training)
Regulatory Framework for Toxic and
Hazardous Substances

GENERAL SCIENCES (one year for each)

Astronomy
Biology
Chemistry
Environmental Science
Geology
Organic Chemistry
Physics

ATMOSPHERIC SCIENCES

Chemistry of the Clean and Polluted
Atmosphere
Global Warming

HYDROLOGIC SCIENCES

Advanced Snow Hydrology
Environmental Hydrology
Limnology (study of surface waters)
Oceanography
Thermohaline Circulation (global oceanic
circulation patterns)
Water Quality Control
Water Resources

SOILS AND EARTH SCIENCES

Bioremediation
Geomorphology
Soil Science

ANALYTICAL METHODS

Analytical Methods for Geographers (linear algebra,
vector analysis, differential equations,
Fourier transforms and least-squares
estimation)
Avenue (Arcview's GIS programming language)
Basic Programming
Calculus
Geographical Information Systems (GIS)
Geographic Research Methods
Group Studies (analyzed notable scientific studies,
identifying useful findings and errors)
Remote Sensing and Environmental Optics
Spatial Statistics
Statistics

ANTHROPOLOGY / SOCIOLOGY

Cultural Anthropology
Cultural Geography
Physical Anthropology
Race and Ethnicity
Sociology of the Family
World Regional Geography

COMMUNICATION

Communication Fundamentals
Computational Concepts in Geography (incl. web
page development)
Creative writing
Instructional Development (effective teaching
methods, considering how students learn)
Persuasive Speaking and Writing (Environmental
Seminar)
Speech
Speed Reading/Comprehension Training

HISTORY / POLITICAL SCIENCE / PHILOSOPHY

American Government
Contemporary Earth Issues
Philosophy
United States History
World History

PSYCHOLOGY

Abnormal Psychology
Child Psychology
Cognitive Psychology
Psychology
Psychology of Adjustment
Social Dynamics and Conflict Resolution in
Environmental Management