

April 25, 2018

## **CURRICULUM VITAE**

**CARLA R. VAN WEST**

### **CONTACT INFORMATION:**

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### **EDUCATION:**

1990 Ph.D., Anthropology, Washington State University, Pullman.  
1982 Teacher Certification, Community College Instructor, State of Arizona.  
1976 M.A., Anthropology, University of Arizona, Tucson.  
1973 B.A., Anthropology, *cum laude*, Elmira College, Elmira, New York including Junior Year Abroad at the University of Edinburgh, Scotland (1971–1972).

### **SCHOLARSHIPS AND AWARDS:**

2003 Edward B. Danson Award, Western National Parks Association, Tucson, Arizona.  
2001 Distinguished Alumni Award, Museum of Northern Arizona, Flagstaff, Arizona.  
1998 Appreciation Award, Arizona Archaeological and Historical Society, Tucson, Arizona.  
1992 1990 Ph.D. dissertation received Honorable Mention for 1992 SAA Dissertation Prize. Nominating Committee: Timothy A. Kohler (chair), William. D. Lipe, John H. Bodley, and Jeffrey S. Dean.  
1988 Pima Community College Curriculum Development Award, “Oral History in the North American Southwest.” Tucson, Arizona.  
1987 Wenner-Gren Foundation for Anthropology Research Predoctoral Grant (#4799).  
1985 Sigma Xi Grant-in-Aid of Research for archaeological survey of the Sand Canyon Community, southwestern Colorado.  
1980–83 Teaching and Research Assistantships, Department of Anthropology, Washington State University, Pullman, Washington.  
1973–76 Teaching and Research Assistantships, Department of Anthropology, University of Arizona, Tucson, Arizona.  
1973–76 Walter S. Barr Fellowship, Horace Mann Scholarship, Springfield, Massachusetts.  
1969–73 Elmira College Scholarship, Elmira College, Elmira, New York.

### **RESEARCH INTERESTS AND SPECIALTIES:**

Southwestern U.S. culture history; paleoenvironmental reconstruction (especially tree-ring based reconstructions of paleoclimate); subsistence and settlement systems; public archaeology.

**PROFESSIONAL EXPERIENCE:**

- 2009–present *Adjunct Assistant Professor*, Department of Anthropology, University of New Mexico, Albuquerque.
- 2005–present *Director, Preservation Research*, SRI Foundation, Rio Rancho, New Mexico.
- 2003–present *Owner/Sole Proprietor*, Carla R. Van West, Consultant, Rio Rancho, New Mexico.
- 2002–2005 *Senior Principal Investigator*, Statistical Research, Inc., Tucson, Arizona.
- 1992–2001 *Principal Investigator*, Statistical Research, Inc., Tucson, Arizona.
- 1990–present *Archaeological Consultant*, Carla R. Van West, Consulting Archaeologist.
- 1986–present *Field Seminar Leader, Research Associate*, Crow Canyon Archaeological Ctr., Cortez, Colorado.
- 1987–1988 *Full-time Instructional Faculty Member*, Pima Community College, Tucson, Arizona.
- 1986–1988 *Assistant Editor, The Kiva*, quarterly journal of the Arizona Archaeological and Historical Society, Inc., Tucson, Arizona.
- 1984–1987 *Staff Archaeologist and Director of Survey*, Crow Canyon Archaeological Center, Cortez, Colorado.
- 1983 *Instructor*, Pima Community College, Tucson, Arizona.
- 1981 *Field Director*, Predynastic of Egypt Project, Nagada, Egypt.
- 1980–1981 *Project Archaeologist*, Bonneville Power Administration Research Group, Eastern Washington University, Pullman.
- 1979–1980 *Acting Supervisory Archaeologist*, Rocky Mountain Research Management Division, Midwest Archaeological Center, National Park Service, Lincoln, Nebraska.
- 1979 *Assistant Visiting Professor*, University of Nebraska, Lincoln.
- 1978–1979 *Supervisory Archaeologist*, Inventory of Archaeological Sites Program, Rocky Mountain Region, Midwest Archaeological Center, National Park Service, Lincoln, Nebraska.
- 1976–1978 *Archaeologist*, Indian Cultural Resources Assistance Program, Southwest Cultural Resources Center, National Park Service, Santa Fe, New Mexico.
- 1976 *Assistant Archaeologist*, Midwest Archaeological Center, National Park Service, Lincoln, Nebraska.
- 1976 *Student Teacher*, Pima Community College, Tucson, Arizona.
- 1975 *Assistant Archaeologist*, Arizona Public Service Sahuaro-Cholla Transmission Line Survey, Arizona State Museum, Tucson.
- 1974 *Assistant Archaeologist*, Conoco-Florence Project, Arizona State Museum, Tucson.
- 1973 *Laboratory Technician*, Department of Anthropology, Museum of Northern Arizona, Flagstaff.
- 1973 *Laboratory Assistant*, Yager Museum, Hartwick College, Oneonta, New York.
- 1972 *Assistant Area Supervisor*, Joint Expedition to Idalion, American Schools of Oriental Research, Dhali, Cyprus.
- 1971 *Laboratory Technician/Field Assistant*, Department of Anthropology, Museum of Northern Arizona, Flagstaff.
- 1970 *Student Intern*, Rough Rock Demonstration School, Rough Rock, Navajo Nation, Arizona.

**PEER-REVIEWED PUBLICATIONS AND PUBLISHED REVIEWS:**

- 2018 Landscapes, Horticulture, and the Early Bonito Phase (second author with Thomas C. Windes). Chapter 2 in *New Perspectives on the Greater Chaco Landscape*, edited by Ruth M. Van Dyke and Carrie C. Heitman. University Press of Colorado, Boulder. Forthcoming 2019.
- 2017 Using Tree-Ring Data to Explore Community Formation in Fourteenth-Century Central New Mexico (first author with Linda S. Cordell). Manuscript under review for University of Utah Press book, based on a paper presented in Symposium entitled, “Tree Rings, Climate, and Behavior: the Legacy of Jeffrey S. Dean.” Annual Meeting of the Society for American Archaeology, Sacramento, California, March 31, 2011.

- 2013 The Role of Climate in Early Spanish-Native American Interactions in the U.S. Southwest (first author with Thomas C. Windes, Frances Levine, Henri D. Grissino-Mayer, and Matthew W. Salzer). In *Native and Spanish New Worlds: Sixteenth-Century Entradas in the American Southwest and Southeast*, edited by Clay Mathers, Jeffrey M. Mitchem, and Charles N. Haecker, pp. 81–98. Amerind Foundation, Dragoon, Arizona, and University of Arizona Press, Tucson.
- 2010 Landscape Change: Anthropological Perspectives on the Legacy of Human-Environmental Interactions in the U.S. Southwest. In *Movement, Connectivity, and Landscape Change in the Ancient Southwest*, edited by Margaret C. Nelson and Colleen Strawhacker, pp. 107–118. University Press of Colorado, Boulder.
- 2010 The Calculus of Self-Interest in the Development of Cooperation: Sociopolitical Development and Risk among the Northern Arizona (second author with Timothy A. Kohler). In *Evolutionary Ecology and Archaeology*, edited by Jack M. Broughton and Michael D. Cannon, pp. 395–408. University of Utah Press, Salt Lake City.
- 2008 Reconstructing Paleoenvironmental Conditions during the Early Agricultural Period. *Archaeology Southwest* 23(1): 5-6.
- 2007 Climate Change, Social Networks, and Ancestral Pueblo Migration (second author with Linda S. Cordell, Jeffrey S. Dean, and Deborah A. Muenchrath). *Kiva* 72: 379–405.
- 2007 Review of *The Mesa Verde World: Exploration in Ancestral Pueblo Archaeology*, edited by David Grant Noble (2006), SAR Press, Santa Fe, New Mexico. *Kiva* 72: 470–471.
- 2006 Ecology and Economy (second author with R. Gwinn Vivian, Jeffrey S. Dean, Nancy J. Akins, Mollie S. Toll, and Thomas C. Windes). In *The Archaeology of Chaco Canyon: An Eleventh-Century Pueblo Regional Center*, edited by Stephen H. Lekson, pp. 45–65, 429–457. School of American Research Advanced Seminar Series. School of American Research Press, Santa Fe.
- 2005 *Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico*, edited by Edgar K. Huber and Carla R. Van West. 5 Volumes. Technical Series 84. Statistical Research, Tucson.
- 2002 Environment-Behavior Relationships in Southwest Colorado (second author with Jeffrey S. Dean). In *Seeking the Center Place: Archaeology and Ancient Communities in the Mesa Verde Region*, edited by Mark D. Varien and Richard H. Wilshusen, pp. 81–99. University of Utah Press, Salt Lake City.
- 2000 Be There Then: A Modeling Approach to Settlement Determinants and Spatial Efficiency among Late Ancestral Pueblo Populations of the Mesa Verde Region, U.S. Southwest (third author with Timothy A. Kohler, James Kresl, Eric Carr, and Richard H. Wilshusen). In *Dynamics in Human and Primate Societies: Agent-based Modeling of Social and Spatial Processes*, edited by Timothy A. Kohler and George J. Gumerman, pp. 145–178. Santa Fe Institute Studies in the Science of Complexity, Addison-Wesley, Reading, Massachusetts.
- 2000 Competition, Cooperation, and Conflict: Agricultural Production and Community Catchments in the Central Mesa Verde Region (second author with Mark D. Varien and G. Stuart Patterson). *Kiva* 66:45–65.
- 2000 Environmental Characteristics of the A.D. 900 to 1300 Period in the Mesa Verde Region (first author with Jeffrey S. Dean). *Kiva* 66: 19–44.
- 2000 Subsistence and Environmental Interactions (first author with Richard S. Ciolek-Torrello, John R. Welch, Jeffrey H. Altschul, Karen R. Adams, Steven D. Shelley, and Jeffrey A. Homburg). In *Salado*, edited by Jeffrey S. Dean, pp. 27–56. Amerind Foundation Publication No. 4. University of New Mexico Press, Albuquerque.

- 1998     Review of *Glen Canyon Revisited* by Phil R. Geib (1996). *American Antiquity* 63: 356.
- 1997     Review of *Archaeological Investigations at Ladle House, Site 5MT3873, Montezuma County, Colorado* by Jerry Fetterman, Linda Honeycutt, and Kelly McAndrews (1995). *Kiva* 62: 301–303.
- 1997     Environmental Variability and Agricultural Economics along the Lower Verde River, A.D. 750–1450 (first author with Jeffrey H. Altschul). In *Overview, Synthesis, and Conclusions*, edited by Stephanie M. Whittlesey, Richard Ciolek-Torrello, and Jeffrey H. Altschul, pp. 337–392. Vanishing River: Landscapes and Lives of the Lower Verde Valley: The Lower Verde Archaeological Project. SRI Press, Tucson.
- 1996     Agent-Based Modeling of Prehistoric Settlement Systems in the Northern American Southwest (second author with Timothy A Kohler, Eric P. Carr, and Christopher G. Langton). Proceedings of the third International Conference Integrating GIS and Environmental Modeling, Santa Fe, New Mexico, January. National Center for Geographic Information and Analysis, Santa Barbara, California.  
[http://www.ncgia.ucsb.edu/conf/SANTA\\_FE\\_CD-ROM/sf\\_papers/kohler\\_tim/kohler.html](http://www.ncgia.ucsb.edu/conf/SANTA_FE_CD-ROM/sf_papers/kohler_tim/kohler.html)
- 1996     A Time to Rend, A Time to Sew: A New Perspective on Northern Anasazi Social Development in Later Prehistory (first author with Timothy A. Kohler). In *The Anthropology of Human Behavior through Geographic Information and Analysis*, edited by Mark Aldenderfer and Hebert D. G. Maschner, pp. 107–131. Oxford University Press, New York and Oxford.
- 1996     Agricultural Potential and Carrying Capacity in Southwestern Colorado, A.D. 901–1300. In *Pueblo Cultures in Transition*, edited by Michael A. Adler, pp. 214–227. University of Arizona Press, Tucson.
- 1996     The Calculus of Self Interest in the Development of Cooperation: Sociopolitical Development and Risk among the Northern Anasazi (second author with Timothy A. Kohler). In *Evolving Complexity and Environmental Risk in the Prehistoric Southwest*, edited by Joseph A. Tainter and Bonnie Bagley Tainter, pp. 169–196. Santa Fe Institute Studies in the Science of Complexity, Addison-Wesley, Reading, Massachusetts.
- 1996     Modeling Prehistoric Agricultural Strategies and Human Settlement in the Middle Little Colorado River Valley. In *River of Change: Archaeology of the Middle Little Colorado River Valley, Arizona*, edited by E. Charles Adams, pp. 15–35. Archaeological Series 185. Arizona State Museum, University of Arizona, Tucson.
- 1996     The Heuristic Value of Estimates of Prehistoric Agricultural Production: A Case Study from Southwestern Colorado. In *Interpreting Southwestern Diversity: Underlying Principles and Overarching Patterns*, edited by Paul R. Fish and J. Jefferson Reid, pp. 133–145. Anthropological Research Papers No. 48. Arizona State University, Tempe.
- 1995     Environmental and Chronological Factors in the Mesa Verde-Northern Rio Grande Migration (second author with Richard V. N. Ahlstrom and Jeffrey S. Dean). *Journal of Anthropological Archaeology* 14:125–142.
- 1994     *Modeling Prehistoric Agricultural Productivity in Southwestern Colorado: A GIS Approach*. Washington State University Reports of Investigations 67. Department of Anthropology, Washington State University, Pullman.
- 1994     Reconstructing Prehistoric Climatic Variability and Agricultural Production in Southwestern Colorado, A.D. 901–1300: A GIS Approach. In *Anasazi Symposium 1991*, compiled by Art Hutchinson and Jack E. Smith, pp. 25–33. Mesa Verde Museum Association, Mesa Verde National Park, Colorado.

- 1990 *Modeling Prehistoric Climatic Variability and Agricultural Production in Southwestern Colorado: A GIS Approach*. Ph.D. dissertation, Washington State University. University Microfilms, Ann Arbor.

#### CULTURAL RESOURCE MANAGEMENT REPORTS:

- 2018 *Tangible Cultural Resources Country Profile: Republic of Cameroon* (first author with Scott MacEachern). Prepared by Carla R. Van West, Consultants. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 42. Geo-Marine, Inc., Plano, Texas. In press.
- 2017 *Long-Term Treatment Archaeological Plan Priest Rapids Hydroelectric Project Public Utility No. 2, Grant County, Washington*. Prepared by David W. Cushman, Terry H. Klein, and Carla R. Van West. SRI Foundation, Rio Rancho, New Mexico.
- 2017 *After the Ancients: Chaco Culture National Historical Park Historic Resource Study*. Prepared by Karen R. Swope, Carla R. Van West, Carrie J. Gregory, Philip O. Leckman, and Adam Byrd. Statistical Research, Inc., Albuquerque, New Mexico.
- 2016 Section 3.17. Cultural Resources. In *Draft Environmental Impact Statement for the Navajo Generating Station-Kayenta Mine Complex Project, Arizona*. Prepared by AECOM, Inc. Fort Collins, Colorado for the Department of Interior, Bureau of Reclamation, Lower Colorado Region, Boulder City, Nevada.
- 2014 *Tangible Cultural Resources Country Profile: Kingdom of Morocco* (first author with Aomar Boum). Prepared by SRI Foundation and Geo-Marine, Inc. for the U.S. Air Force and the U.S. Army Corps of Engineers, Fort Worth District. March. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 20. Geo-Marine, Inc., Plano, Texas.
- 2013 *Tangible Cultural Resources Country Profile: People's Democratic Republic of Algeria* (second author with Martha Graham). Prepared by SRI Foundation and Geo-Marine, Inc. for the U.S. Air Force and the U.S. Army Corps of Engineers, Fort Worth District. March. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 20. Geo-Marine, Inc., Plano, Texas.
- 2013 *Tangible Cultural Resources Country Profile: Republic of Mali* (first author with Susan Keech McIntosh and Mamadou Cissé). Prepared by SRI Foundation and Geo-Marine, Inc. for the U.S. Air Force and the U.S. Army Corps of Engineers, Fort Worth District. February. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 10. Geo-Marine, Inc., Plano, Texas.
- 2013 *Tangible Cultural Resources Country Profile: Republic of Haiti* (third author with Martha Graham, Diane L. Douglass, and Kathleen A. Deagan). Prepared by SRI Foundation and Geo-Marine, Inc. for the U.S. Air Force and the U.S. Army Corps of Engineers, Fort Worth District. February. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 2. Geo-Marine, Inc., Plano, Texas.
- 2012 *Integrating Archaeological Modeling in DoD Cultural Resource Compliance* (sixth author with Paul R. Green, Jeffrey H. Altschul, Michael P. Heilen, Jeffrey A. Homburg, David W. Cushman, Joshua R. Trampier, William Hayden, and Michael K. Lerch). Final Report for ESTCP Project 200720. SRI Foundation, Rio Rancho, New Mexico and Statistical Research, Inc., Tucson, Arizona.
- 2012 Prehistoric Settlement and Land Use (first author with Michael P. Heilen, Phillip O. Leckman, and Rein Vanderpot). In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 3: Synthetic Studies*, edited by Rein Vanderpot. Draft Technical Series 85. Statistical Research, Tucson.

- 2012 Paleoenvironmental Summary. In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 3: Synthetic Studies*, edited by Rein Vanderpot. Draft Technical Series 85. Statistical Research, Tucson. In review.
- 2012 Dendroclimatic Reconstruction for Middle Verde River Valley. In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 3: Synthetic Studies*, edited by Rein Vanderpot. Draft Technical Series 85. Statistical Research, Tucson. In review.
- 2012 Paleoclimate Reconstruction for LA2, the Agua Fria Schoolhouse Site. In *Pueblo at the Cold Water Place, P'O'Karige: Archaeological Investigation of the Agua Fria School House Site*, by Cherie L. Scheick, Glenda Deyloff, and Cortney A. Wands. Research Series 507F.3. Southwest Archaeological Consultants, Santa Fe, Mexico.
- 2011 *A Strategic Workshop on Military Planning for Overseas Cultural Property Protection, Santa Fe., New Mexico, July 18–20, 2011* (third author with Terry H. Klein, Lynne Sebastian, and Nancy Kenmotsu). Prepared by SRI Foundation and Geo-Marine, Inc. for the U.S. Air Force and the U.S. Army Corps of Engineers, Fort Worth District. November. U. S. Air Force Project ORCHID Series, Reports of Investigations Number 16. Geo-Marine, Inc., Plano, Texas.
- 2008 *Cultural Resource Records Search Results and Planning Recommendations for the Winslow Flood Control Project, Navajo County, Arizona*, edited by Robert M. Wegener, with contributions by Karry L. Blake, Lauren Jelenik, Stephen A. McElroy, Scott Thompson, Carla R. Van West, and Robert M. Wegener. Technical Report 09-36. Statistical Research, Tucson.
- 2007 *OCONUS Data Layer for Cultural Resources* (first author with W. Clay Mathers). Department of Defense, Legacy Resource Management Program, Project Number 05-266. Preservation Research Series 6. SRI Foundation, Rio Rancho, New Mexico.
- 2005 Project Setting. In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 1: Introduction and Site Descriptions*, edited by Rein Vanderpot, Robert W. Wegener, and Carla R. Van West. Draft Technical Series 85. Statistical Research, Tucson.
- 2005 Previous Research, Culture History, and Research Domains (first author with Rein Vanderpot and Stephanie M. Whittlesey). In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 1: Introduction and Site Descriptions*, edited by Rein Vanderpot, Robert W. Wegener, and Carla R. Van West. Draft Technical Series 85. Statistical Research, Tucson.
- 2005 In *The Lower Oak Creek Archaeological Project: Archaeological Data Recovery along State Route 89A: Cottonwood to Sedona, Yavapai County, Arizona. Volume 2: Material Culture and Environmental Analyses*, edited by Rein Vanderpot, Carla R. Van West, and Stephanie M. Whittlesey. Draft Technical Series 85. Statistical Research, Tucson.
- 2005 *Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico*, edited by Edgar K. Huber and Carla R. Van West. 5 vols. Technical Series 84. Statistical Research, Tucson.
- 2005 Introduction and Background (first author with David H. Greenwald). In *Introduction and Site Descriptions*, edited by Edgar K. Huber and Carla R. Van West, pp. 1.1–1.119. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 1. Technical Series 84. Statistical Research, Tucson.

- 2005 Dendroclimatic Reconstruction (first author with Henri D. Grissino-Mayer). In *Environmental Studies*, edited by Edgar K. Huber and Carla R. Van West, pp. 33.1–33.129. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 3. Technical Series 84. Statistical Research, Tucson.
- 2005 Paleoenvironmental Reconstruction (with Jill Onken). In *Synthetic Studies and Summary*, edited by Edgar K. Huber and Carla R. Van West, pp. 35.1–35.38. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 4. Technical Series 84. Statistical Research, Tucson.
- 2005 Subsistence through Time in West-Central New Mexico and East-Central Arizona (with Karen R. Adams). In *Synthetic Studies and Summary*, edited by Edgar K. Huber and Carla R. Van West, pp. 37.1–37.50. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 4. Technical Series 84. Statistical Research, Tucson.
- 2005 The New Mexico Fence Lake Project: A Research Summary (first author with Edgar K. Huber). In *Synthetic Studies and Summary*, edited by Edgar K. Huber and Carla R. Van West, pp. 42.1–42.69. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 4. Technical Series 84. Statistical Research, Tucson.
- 2005 Epilogue: Cultural Landscapes of the FLP Area. In *Synthetic Studies and Summary*, edited by Edgar K. Huber and Carla R. Van West, pp. 43.1–43.22. Archaeological Data Recovery in the New Mexico Transportation Corridor and First Five-Year Permit Area, Fence Lake Coal Mine Project, Catron County, New Mexico. vol. 4. Technical Series 84. Statistical Research, Tucson.
- 2003 *Archaeological Surveys for the Arivaca Junction Gravity Flow Sewer Line, Pima County, Arizona* (compiler and editor). Technical Report 03-34. Statistical Research, Tucson.
- 2003 *Prehistoric Archaeological Resources on Canoa Ranch, Pima County, Arizona. Volume 1: Background and Research Issues* (first author with Stephanie M. Whittlesey). Technical Report 03-35. Statistical Research, Tucson.
- 2003 *Prehistoric Archaeological Resources on Canoa Ranch, Pima County, Arizona. Volume 2: Site Inventory and Evaluation* (second author with Edgar K. Huber). Technical Report 03-35. Statistical Research, Tucson.
- 2001 *El Macayo: A Prehistoric Settlement in the Upper Santa Cruz River Valley* (second author with William L. Deaver). Statistical Research Technical Report 98–11. Statistical Research, Inc., Tucson.
- 2000 *Cultural Resource Management Plan, Upper and Lower Garden Canyon, Fort Huachuca, Arizona* (first author with Jeffrey H. Altschul). Statistical Research Technical Report 97–26. Statistical Research, Tucson.
- 2000 *Cultural Resources Survey of Additional Right-of-Way, Temporary Construction Easements, and a Scenic Pullout Associated with Improvements along the Cornville–Dry Creek and Dry Creek–Sedona Project Segments of State Route 89A, Yavapai County, Arizona* (first author with Christian K. Vermeer). Technical Report 00–03. Statistical Research, Tucson.
- 1998 *Archaeological Survey of a 4.69-mile Segment of the Proposed Arivaca Sewer Line through the Canoa Ranch Property, Pima County, Arizona* (second author with Charles R. Riggs). Statistical Research Technical Report No. 98–15. Statistical Research, Inc., Tucson, Arizona.

- 1998 *Treatment Plan for Archaeological Data Recovery on State Route 89A, Cottonwood to Sedona, Yavapai County, Arizona* (first author with Rein Vanderpot). Submitted to Arizona Department of Transportation, Phoenix, Arizona. Statistical Research, Tucson.
- 1997 *Cultural Resource Management Plan for Fort Huachuca, Arizona* (first author with Mark T. Swanson and Jeffrey H. Altschul). Technical Series 67. Statistical Research, Tucson.
- 1997 Environmental Variability and Agricultural Economics along the Lower Verde River, A.D. 750–1450 (first author with Jeffrey H. Altschul). In *Overview, Synthesis, and Conclusions*, edited by Stephanie M. Whittlesey, Richard Ciolek-Torrello, and Jeffrey H. Altschul, pp. 337–392. Vanishing River: Landscapes and Lives of the Lower Verde Valley: The Lower Verde Archaeological Project. SRI Press, Tucson.
- 1996 A Paleoclimatic-Archaeological Model of Prehistoric Settlement in the Mojave Desert (second author with Jeffrey H. Altschul and Patrice A. Teltser). Technical Report No. 96–3. Statistical Research, Tucson.
- 1995 *Data Recovery Plan for Archaeological Investigations in the Fence Lake Transportation Corridor-Arizona* (first author with Edgar K. Huber). Technical Series 56. Statistical Research, Tucson.
- 1994 Agricultural Productivity and Carrying Capacity in the Tonto Basin. In *The Roosevelt Rural Sites Study: Vol. 3: Changing Land Use in the Tonto Basin*, edited by Richard S. Ciolek-Torrello and John R. Welch, pp. 361–435. Technical Series No. 28. Statistical Research, Tucson.
- 1994 *River, Rain, or Ruin: Intermittent Prehistoric Land Use along the Middle Little Colorado River*. Technical Series 53. Statistical Research, Tucson.
- 1992 Modeling Prehistoric Climate and Agriculture in Southwestern Colorado (first author with William D. Lipe). In *The Sand Canyon Archaeological Project: A Progress Report*, edited by William D. Lipe, pp. 105–119. Occasional Paper No. 2. Crow Canyon Archaeological Center, Cortez, Colorado.
- 1991 Climate, Agricultural Productivity, and Abandonment. In *Sand Canyon Locality Context: Research Design and Preliminary Results*, compiled by Ricky R. Lightfoot, pp. 147–148. Crow Canyon Archaeological Center, Cortez, Colorado.
- 1987 *Archaeological Survey and Testing in the Vicinity of Sand Canyon Pueblo, Montezuma County, Colorado, 1986 Field Season* (first author with Michael A. Adler and Edgar K. Huber). Crow Canyon Archaeological Center, Cortez, Colorado.
- 1986 *Cultural Resources Inventory for the 1985 Field Season in the Crow Canyon and Sand Canyon Areas, Montezuma County, Colorado*. Crow Canyon Archaeological Center, Cortez, Colorado.
- 1986 *Excavation and Testing Conducted on Private Land under State Permit #85-22* (with Ricky R. Lightfoot). Crow Canyon Archaeological Center, Cortez, Colorado.
- 1980 Archaeological Investigations in Glen Canyon National Recreation Area, October 1979. Ms. on file, Midwest Archaeological Center, Lincoln, Nebraska.
- 1979 *Data Base and Assessment of Archaeological Resources in Bighorn Canyon National Recreation Area*. Ms. on file, Midwest Archaeological Center, National Park Service, Lincoln.
- 1977 *An Intensive Archaeological Survey of Three Fire Station Sites at the Village of Polacca, New Oraibi and Moenkopi, Hopi Tribal Lands, Coconino and Navajo Counties, Arizona* (with Stephen J. Hallisy). Ms. on file, National Park Service, Southwest Cultural Resources Center, Santa Fe.



- 1977 *Archaeological Survey of Proposed Sewage Lagoon Site, Outfall Line and Access Road below Shungopavi, Second Mesa, Hopi Tribal lands, Navajo County, Arizona 73-168* (first author with Stephen J. Hallisy). Ms. on file, National Park Service, Southwest Cultural Resources Center, Santa Fe.
- 1976 *Draft Procedures for Archaeological Clearance on Indian Lands* (last author with George West, Bruce Anderson, Terje Birkedal, James Charles, Stephen Hallisy, Frances Levine). Ms. on file, National Park Service, Southwest Cultural Resources Center, Santa Fe.
- 1973 Ceramic Analysis, Los Angeles Water and Power Project, Navajo-McCollough Transmission Line (with Jill Neitzel). Ms. on file, Museum of Northern Arizona, Flagstaff.

#### **PUBLIC OUTREACH PRODUCTS:**

- 2016 Authored an educational interpretive brochure on the Civilian Conservation Corp experience in Bandelier National Monument, New Mexico funded by the Department of Interior, National Park Service, Bandelier National Monument.
- 2015 Tales of Tree-Rings from Tijeras Pueblo. Manuscript under review for School of Advanced Research popular publication on Linda Cordell, Maxine McBrinn, editor.
- 2012 Authored website content for Department of Defense: Archaeological Predictive Modeling Guidance. Materials used for technology transfer on Environmental Security Technology Certificate Program and U.S. Air Force, Project RC 200720 (2007–2012).
- 2011 Authored an educational interpretive brochure on the Civilian Conservation Corp experience in Chaco Cultural National Historical Site, New Mexico funded by the Western National Parks Association., as well as a final technical report for park interpreters.
- 2010 Authored six public information pamphlets on the history of historic state highways for the Exploring Arizona's Historic Roads Project, funded by the Arizona Department of Transportation (ADOT) and developed content for ADOT's Arizona's Historic Road website (<http://www.azdot.gov/azhistoricroads/>)
- 2008 Authored four stories appropriate for Middle School students for a curriculum funded by the Arizona Department of Transportation entitled *Subsistence Strategies in Middle to Late Precontact Arizona: Native Peoples of Arizona, People of the Verde Valley, To Farm or Not to Farm, and the Harvest Festival*. [http://www.theaceconsultants.com/products\\_and\\_services.htm](http://www.theaceconsultants.com/products_and_services.htm); Products and Services.
- 2004 Authored text used in lesson-plan poster and teacher guides funded by the Bureau of Reclamation for the Carlsbad Irrigation Project. *Land-use & Lifeways in Southeastern New Mexico*. [http://www.theaceconsultants.com/products\\_and\\_services.htm](http://www.theaceconsultants.com/products_and_services.htm); Products and Services.
- 1998 Authored article: What Archaeologists Say about the Verde Valley, for Public Outreach component of the SR 89A Archaeological Project for Arizona Department of Transportation.. [http://www.theaceconsultants.com/products\\_and\\_services.htm](http://www.theaceconsultants.com/products_and_services.htm); Parallel Perspectives.

#### **OTHER REPORTS AND PUBLICATIONS:**

- 2010 The Exploring Arizona's Historic Roads Project: An Innovative Approach to Public Outreach and Section 106 Compliance (second author with Terry H. Klein, David W. Cushman, and Jen Wennerlund). In *Proceedings of the Preserving the Historic Roads Conference, September 9–12, 2010, Washington, D. C.*

- 1981 *A Petrographic Examination of Neolithic Ceramics from the Kadero site, The Sudan* (first author with Fekri A. Hassan). Ms. in possession of the authors, Washington State University, Pullman.
- 1978 A New Identity for the List of Classified Structures. *Cultural Resources Management Bulletin* 1(2).
- 1977 American Indian Students and the Arizona Community College System. Educational Resources Information Center Clearinghouse Report ED 135416 (microfiche). *Resources in Education*. July 1977.
- 1974 *A Guide to the Processing and Care of Collections*. Ms. on file, Arizona State Museum, University of Arizona, Tucson.
- 1971 *Laboratory and Field Manual for Summer Assistants, Department of Anthropology*. Ms. on file, Museum of Northern Arizona, Flagstaff.

#### PROFESSIONAL PRESENTATIONS:

- 2018 Droughts, Floods, and Freezes: The Role of Climate in the Human History of the American Southwest. Human Systems Research, Inc., 45<sup>th</sup> Anniversary Speaker Series, Las Cruces, New Mexico, January 20, 2018.
- 2017 Horticulture and the Early Chaco Bonito Phase (second author with Thomas C. Windes). In Symposium entitled, "Chaco Landscapes: What We Know and What We Don't," organized by Ruth Van Dyke, Carrie Heitman, and Steven Lekson for Chaco Culture National Historical Park, National Park Service, held at Crow Canyon Archaeological Center, Cortez, Colorado, August 14–17, 2017.
- 2015 Toward Effective Cyber-Infrastructure Support of Socio-Environmental Research (one of 12 contributors). Poster presented in Symposium entitled, "The Robustness and Vulnerability of Food Production and Social Change: An Evaluation of Interdisciplinary Concepts Using Archaeological Data, Models, and Ethnographic Observations." Annual Meeting of the Society for American Archaeology, San Francisco, California, April 17, 2015.
- 2015 The Civilian Conservation Corps in Chaco Canyon (second author with John D. Schelberg). In Symposium entitled, "A New Deal for Western Archaeology." Annual Meeting of the Society for American Archaeology, San Francisco, California, April 18, 2015.
- 2014 Using Tree-Ring Data to Explore Community Formation at Tijeras Pueblo. In Symposium entitled, "A Gift for Passion and Detail: Linda Cordell, Archaeology, and Beyond." Annual Meeting of the Society for American Archaeology, Austin, Texas, April 25, 2014.
- 2013 Invited Participant and Collaborator: National Science Foundation-funded workshop, "Complexities of Ecological and Social Diversity: A Long-term view (CNH-1113991)" at the Amerind Foundation, Dragoon, Arizona, January 24–26, 2013.
- 2011 Using Tree-Ring Data to Explore Community Origins during the Fourteenth Century in Central New Mexico (first author with Linda S. Cordell). Paper presented in the Symposium entitled, "Tree Rings, Climate, and Behavior: The Legacy of Jeffrey S. Dean." Annual Meeting of the Society for American Archaeology, Sacramento, California, March 31, 2011.
- 2010 The "Exploring Arizona's Historic Roads" Project: An Innovative Approach to Public Outreach and Section 106 Compliance. Paper presented at the Preserving the Historic Road Conference, Washington, D.C., September 9–12, 2010.

- 2009 The Role of Climate in Early Spanish-Native American Interactions in the U.S. Southwest. Paper presented in the Symposium entitled, "Native and Imperial Morphogenesis: Comparing 16<sup>th</sup> Century *Entradas* in the American Southwest and Southeast." Annual Meeting of the Society for American Archaeology, Atlanta, Georgia, April 25, 2009.
- 2008 The Reconstruction of Climate during the Early Agricultural Period in the Southwest United States: Recent and Future Efforts. Paper presented at Colton House Advanced Seminar, entitled, "The Latest Research on the Early Agricultural Period," Museum of Northern Arizona, Flagstaff, August 6–7, 2008.
- 2008 Presenter and Moderator: Landscape Change Session, Southwest Symposium, Arizona State University, Tempe, January 17–19, 2008.
- 2007 Climate During the Pueblo I Time Period. Paper presented at PI Advanced Seminar entitled, "The Early Pueblo World," Towaoc, Colorado, August 2–4, 2007.
- 2007 Linda Cordell's Archaeological Legacy in the Mesa Verde Region. Paper presented in the Symposium entitled, "Honoring Linda S. Cordell." Annual Meeting of the Society for American Archaeology, Austin, Texas, April 27, 2007.
- 2006 Section 106 and the Fence Lake Archaeological Project. Paper presented at the Annual Meeting of the New Mexico Historic Preservation Alliance, Gallup, New Mexico, May 2006 and Annual Meeting of New Mexico Archaeological Conference, November 2006.
- 2004 Invited Participant and Collaborator: NSF-funded Biocomplexity Program Research Retreat on the "Village Project," Crow Canyon Archaeological Center, Cortez, Colorado, July 26–29, 2004.
- 2004 The Fence Lake Data Recovery Project: History, Goals, and Accomplishments (second author with David A. Phillips, Jr., Judy Brunson-Hadley, and Richard A. Anduze). Paper presented in the Symposium entitled, "The Archaeology of the Fence Lake Project in Arizona and New Mexico." Annual Meeting of the Society for American Archaeology, Montreal, Quebec, April 3, 2004.
- 2002 Invited Participant and Collaborator: National Park Service Chaco Capstone Conference, University of New Mexico, Albuquerque, October 15–19, 2002.
- 2002 Invited Participant: Resilience Alliance, Southwest Node Development Meeting. Center for Environmental Studies, Long-term Environmental Research Unit, Arizona State University, Tempe, Arizona. March 28, 2002.
- 2001 Research of the Carlsbad, New Mexico Area. Poster presented at the Archaeology on the Pecos Conference, Carlsbad, New Mexico, November 1–3, 2002.
- 2001 Invited Participant: Ad-hoc Committee to Evaluate Priority Cultural Resources for the Sonoran Desert Conservation Plan. Pima County, Tucson, Arizona, February through July 2001.
- 2000 Invited Participant: Ad-hoc Committee to Identify Highly Sensitive Archaeological Areas within Pima County for the Sonoran Desert Conservation Plan. Pima County, Tucson, Arizona. May 2000.
- 2000 Invited Participant: "Conceptualizing Human-Environmental Interactions," Conference-Workshop, Santa Fe Institute, Santa Fe, New Mexico, December 6–9, 2000.
- 2000 Invited Participant: Archaeological Expert for On-Call educational program on the American Southwest. Classroom Connect, AmericaQuest, March 6–31, 2000. See [www.quest.classroom.com/america2000](http://www.quest.classroom.com/america2000)

- 2000 The Relationships among Emergent Agricultural Systems and Prevailing Environmental Conditions in the American Southwest. Paper presented at the Annual Meeting of the Society for American Archaeology, Philadelphia, Pennsylvania, April 5, 2000.
- 2000 What Happened on the Ground in the Pueblo Southwest (second author with Linda S. Cordell). Paper presented at the Annual Meeting of the Society for American Archaeology, Philadelphia, Pennsylvania, April 6, 2000.
- 1999 Invited Participant: "Climate and Society on the Colorado Plateau, A.D. 500–1600." Conference-Workshop, Santa Fe Institute, Santa Fe, New Mexico, May 10–13, 1999.
- 1999 Competition, Cooperation, and Conflict: Agricultural Productivity in the Mesa Verde Region (second author with Mark D. Varien and Stuart Patterson). Paper presented at the Annual Meeting of the Society for American Archaeology, Chicago, Illinois, March 26, 1999.
- 1999 Did the Iceman Cometh? A Review of Data Concerning Drought, the Little Ice Age, and Chaotic Precipitation and Their Relationship to the Mesa Verde Regional Abandonment. Paper presented at the Annual Meeting of the Society for American Archaeology, Chicago, Illinois, March 26, 1999.
- 1998 Invited Participant and Collaborator: Long-Term Human Dynamics Working Group Meeting, Santa Fe Institute, Santa Fe, New Mexico, September 14–18, 1998.
- 1998 Dry Idea: The "Great Drought" and Seven Decades of Southwestern Prehistory (second author with Stephen E. Nash, Barney T. Burns, and Henri Grissino-Mayer). Paper presented at the Annual Meeting of the Society for American Archaeology, Seattle, Washington, March 28, 1998.
- 1998 Prehistoric Communities and Cultural Landscapes in the Mesa Verde Heartland (first author with Mark D. Varien). Paper presented at the Annual Meeting of the Society for American Archaeology, Seattle, Washington, March 26, 1998.
- 1997 Invited Participant, Collaborator, and Presenter: "Assessing the Dependence of Ancestral Puebloan Residential Site Location in the Mesa Verde Region on distributions of Maize Productivity and Water Water Sources" (third author with Timothy A. Kohler, James Kresl, and Eric Carr). In Workshop entitled, Understanding Small-Scale Societies through Agent-Based Modeling, funded by the Wenner-Gren Foundation for Anthropological Research and the Santa Fe Institute, Santa Fe, New Mexico, December 4–7, 1997.
- 1997 Invited Member: Program Committee for the 1998 Annual Meeting of the Society of American Archaeology, Seattle, Washington.
- 1997 Invited Participant, Collaborator, and Presenter: "Agent-Based Modeling of Prehistoric Settlement Systems in the Mesa Verde region of North America" (third author with Timothy A. Kohler, Eric Carr, James Kresl, Richard Wilshusen, and Christopher Langton). Paper presented at SwarmFest (Swarm User's Meeting), Santa Fe Institute, Santa Fe, New Mexico, February.
- 1996 Invited Speaker: "Archaeology and the Use of GIS." Department of Anthropology, University of Arizona, April 4, 1996.
- 1996 Invited Participant and Collaborator: Cultural Modeling Week, Santa Fe Institute, Santa Fe, New Mexico, May 13–17, 1996.

- 1996 Invited Speaker: "Anasazi Adaptations and Abandonments: Differential Responses to Prehistoric Warm Periods." AMQUA 96: Global Warming: Interglacials, Interstadials, Climatic Optima, and Other Events. 14<sup>th</sup> Biennial Meeting of the American Quaternary Association, Flagstaff, Arizona, May 20–22, 1996.
- 1996 Invited Speaker: "Archaeology and Current Applications of GIS Technology." University of Arizona Archaeological Field School, Bailey Ruin, Pinedale, Arizona, July 8, 1996.
- 1996 Agent-Based Modeling of Prehistoric Settlement Systems in the North American Southwest (second author with Timothy A. Kohler, Eric P. Carr, and Christopher G. Langton). Paper presented at the Third International Conference/Workshop on Integrating GIS and Environmental Modeling, Santa Fe, New Mexico, January 21–25, 1996.
- 1996 Agent-Based Modeling of Settlement in the Mesa Verde Region of North America: Methods and Progress Report (second author with Timothy A. Kohler, Eric P. Carr, and Christopher G. Langton). Poster presented at the Colloquium I, XIII Congress of the International Union of Prehistoric and Protohistoric Sciences, Forli, Italy, September 1996.
- 1996 Prehistoric Agricultural Productivity along the Lower Verde River (first author with Jeffrey H. Altschul and Jeffrey A. Homburg). Paper presented at the Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana, April 11–14, 1996.
- 1995 Seminar Participant and Presenter: "Swarm: An Agent-Based Simulation System and its Application to Modeling Village formation in Southwestern Colorado" (third author with Timothy A. Kohler and Christopher Langton). Paper presented at Conference entitled, Growing Artificial Prehistoric Worlds: A Workshop and Demonstration of Agent-Based Modeling in Archaeology, Durango Conference, Durango, Colorado September 15–16, 1995.
- 1995 "Evolution of Human Culture: Artificial Anasazi Worlds" (sixth author with Timothy Kohler, Jeffrey Dean, Joshua Epstein, George Gumerman, and Christopher Langton). Presentation made at the Trustee Fall Symposium, Santa Fe, New Mexico, November 18, 1995.
- 1995 Seminar Participant and Presenter: "Rethinking Archaeology in the Northern San Juan: The Case of Crow Canyon's Research," Durango Conference, Durango, Colorado, September 15–16, 1995.
- 1995 Invited Speaker: "Running Rings Around the Past: Recent Archaeological Applications of Tree-Ring Research in the Southwest," Arizona Archaeological Council Fall Meeting, Flagstaff, Arizona, October 21, 1995.
- 1995 Invited Speaker: "Reconstructing Climate in the Transition Zone," Sierra Ancha Archaeological Project, Earthwatch and Arizona State Museum, October 23, 1995.
- 1995 Seminar Participant and Presenter: "Creating Artificial Anasazi Worlds: Two Case Studies in Agent Based Modeling," Santa Fe Institute, Santa Fe, New Mexico Annual Meeting of the Board of Trustees, November 11, 1995.
- 1995 Subsistence and Environmental Interaction (first author with Richard S. Ciolek–Torrello). Invited paper presented at the Advanced Seminar: Prehistoric Salado Culture of the American West, Amerind Foundation, Dragoon, Arizona, May 15–19, 1995.
- 1994 Modeling Agricultural Productivity, Carrying Capacity, and Culture Change in the Tonto Basin: A Case Study Approach (first author with Jeffrey H. Altschul). Paper delivered at the Annual Meeting of the Society for American Archaeology, Anaheim, California, April 24, 1994.

- 1993 Modeling Prehistoric Streamflow, Climatic Variability, Productive Strategies, and Human Settlement in the Middle Little Colorado River Valley. Paper presented at the Fifth Occasional Anasazi Symposium, Farmington, New Mexico, October 21–24, 1993.
- 1992 Agricultural Productivity Estimates for the Tonto Basin, A.D. 740–1370 (first author with Jeffrey H. Altschul). Paper presented at the Second Salado Conference, Globe, Arizona, April 24, 1992.
- 1992 The Calculus of Self Interest in the Development of Cooperation: Sociopolitical Development and Risk among the Northern Anasazi (second author with Timothy A. Kohler). Paper presented at the Santa Fe Institution Workshop entitled “Resource Stress, Economic Uncertainty, and Human Response in the Prehistoric Southwest. February 1992.
- 1992 A Time to Rend, A Time to Sew: New Perspectives on Northern Anasazi Social Development in Later Prehistory (first author with Timothy A. Kohler). Invited paper presented in NSF-supported Conference entitled The Anthropology of Human Behavior through Geographic Information and Analysis: An International Conference. University of California, Santa Barbara, January 1992.
- 1991 Modeling Prehistoric Climatic Variability and Agricultural Production in Southwestern Colorado: A GIS Approach. Paper presented at the Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana, April 1991.
- 1991 Invited Speaker: “Modeling Prehistoric Climatic Variability and Agricultural Production in Southwestern Colorado.” Laboratory of Tree-Ring Research, University of Arizona, Tucson, Spring 1991.
- 1991 Invited Conference Participant: Environmental Archaeology, Crow Canyon Archaeological Center, Cortez, Colorado, Spring 1991.
- 1991 Invited Speaker: “Modeling Climate, Agricultural Production, and Population in Southwestern Colorado.” Paper presented at the Annual Meeting of the Crow Canyon Archaeological Center Board and Chairman's Council, Cortez, Colorado, October 1991.
- 1990 Modeling Prehistoric Climatic Variability and Agricultural Production in Southwestern Colorado: A GIS Approach. Paper presented at the Conference: Pueblo Cultures in Transition: A.D. 1150–1350 in the American Southwest, Cortez, Colorado. March 28–April 1, 1990.
- 1980 Archaeology and the National Park Service. Paper presented at the 24<sup>th</sup> Annual Meeting of the Missouri Valley History Conference, Omaha, Nebraska.
- 1978 Chairperson of Symposium entitled: “Archaeological Means and Methods.” Festival of Biblical Art and Archaeology, Omaha, Nebraska.
- 1978 The Inventory of Archaeological Sites Program for the Rocky Mountain Region of the National Park Service. Paper presented at the 38<sup>th</sup> Annual Meeting of the Plains Conference, Denver.

**PROFESSIONAL SERVICE:**

- 2017 Invited Speaker: “Droughts, Floods, and Freezes: The Role of Climate in the Human History of the American Southwest.” Monthly speaker for SANADO Women’s Club, Albuquerque, New Mexico, January 9, 2018.

- 2016 Invited Speaker: "Droughts, Floods, and Freezes: The Role of Climate in the Human History of the American Southwest." Verde Valley Archaeological Society and Verde Valley Archaeological Center, Sedona, Arizona, September 27, 2016.
- 2014 Invited Speaker for Emil Haury Lecture Series: Tree-Ring Chronicles. Western National Parks Association and University of Arizona, September 23, 2014 (<http://www.wnpa.org/>, see Park Research).
- 2013 Invited Speaker: "Aztec Ruins National Monument Benefits from the New Deal." Aztec Ruins National Monument, Ninetieth Birthday Celebration Speaker, January 22, 2013.
- 2012 Invited Speaker: "Droughts, Floods, and Freezes: The Role of Climate in the Human History of the American Southwest." Aztec Ruins National Monument, Aztec Speakers Series, October 12, 2012.
- 2012 Invited Speaker: "Droughts, Floods, and Freezes: The Role of Climate in the Human History of the American Southwest." Chaco Culture National Historical Park, Chaco Speakers Series, September 15, 2012.
- 2012 Invited Participant and Speaker: "Historical-period Landscape Changes in Chaco Canyon National Historical Park." Visitors' Center Dedication for Chaco Culture National Historical Park, April 26, 2012.
- 2011 Invited Speaker: "Verde Valley Archaeology: Patterns, Problems, and Possibilities." Verde Valley Archaeological Center Speaker Series, Sedona, Arizona, October 18, 2011.
- 2011 Invited Speaker: "The Role of Climate in Early Spanish-Native American Interactions in the U.S. Southwest." Southwest Seminars Speaker Series, Santa Fe, New Mexico, June 20, 2011.
- 2010 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Aztec Ruins National Monument. Summer Speakers Series, August 27, 2010.
- 2009 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Chaco Culture National Historic Park. Summer Speakers Series, August 1, 2009.
- 2009 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Torrance County Archaeological Society, Estancia, New Mexico, May 5, 2008.
- 2008 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Site Stewards, Santa Fe National Forest, Santa Fe, New Mexico, April 2, 2008; Friends of Tijeras Pueblo, Tijeras, New Mexico, September 9, 2008.
- 2008 Invited Speaker: "The Relationship of Human History and Climate Change in the American Southwest." Rio Grande Foundation for Communities and Cultural Landscapes Senior Citizen Lecture Series, Santa Fe, New Mexico, April 4, 2008.
- 2008 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Albuquerque Archaeological Society. October 21, 2008.
- 2007 Invited Participant and Speaker: "Historical-period Landscape Changes in Chaco Canyon National Historical Park." Hibben Center Dedication for Chaco Museum and Archives, University of New Mexico, Albuquerque, October 12, 2007.
- 2007 Invited Speaker: "The Development of Dendrochronology and Chaco Canyon NHP." Centennial Year Speaker, Chaco Canyon National Historical Park, August 25, 2007.

- 2006 Invited Speaker: "The Relationship of Human History and Climate Change in the American Southwest." Coronado State Park, Bernalillo, New Mexico, June 25, 2006.
- 1999 Invited Speaker: "Work Along State Route 89A: The Lower Oak Creek Archaeological Project." Arizona Archaeological Society, Verde Valley Archaeological Society, September 23, 1999.
- 1998 Speaker and Tour Leader: Public Outreach and Education Programs delivered September through November, 1998. Arizona State Highway Route 89A, Cottonwood to Sedona, for the Arizona Department of Transportation, Spring through Autumn 1998.
- 1996 Invited Speaker: "No Rain, No Gain: Cutting One's Losses by Cutting Out—The Anasazi Solution." Arizona Archaeological and Historical Society speaker for Arizona Archaeology Month series, Tucson. March 11, 1996.
- 1994 Invited Speaker: "A River Runs through It: A Glimpse of Prehistory in the Middle Little Colorado River Region," Arizona Archaeological and Historical Society speaker for Arizona Archaeology Month series, Tucson. March 16, 1994.
- 1993 Invited Speaker: "Prehistoric Climate and Agricultural Potential." Mesa Verde National Park Summer Lecture Series, July 15, 1993.
- 1988 Invited Speaker: "What is Archaeology?" Arizona Archaeological and Historical Society speaker for Arizona Archaeology Month Series, Tucson. March 20, 1988.
- 1987 Invited Speaker: "Crow Canyon Archaeological Center and Research in the McElmo District." Monthly Meeting of the Arizona Archaeological and Historical Society, Tucson, February 1987.
- 1986 Archaeologist, PBS Television Documentary on Crow Canyon Archaeological Center, "The Future of the Past."
- 1986 Consultant, Archaeology and Education, Borton Magnet Primary School, Tucson.

#### **TEACHING EXPERIENCE:**

- 2009 Instructor: From Chaco to 20<sup>th</sup> Century Navajo: Understanding the Changing Landscapes of Native American History in the Southwest. Renesans Institute for Lifelong Learning, Santa Fe. January 22–February 5, 2009.
- 1986-pres. Field Seminar Leader, Crow Canyon Archaeological Center, Cortez, Colorado. Field seminars range from 4 to 10 days in length, and duties include preparing materials and lecturing participants on numerous topics. Seminar themes to date include: Archaeology of the Four Corners, Chaco Archaeology, From Prehistory to Contemporary Pueblos in the Northern Rio Grande, Hohokam Archaeology and Contemporary Pueblos of the Desert Southwest, Sinagua Archaeology and the Migration to the Hopi Mesas, the Pueblo Archaeology and History of the Northern Rio Grande, New Mexico, and a variety of special-interest tours for VIPs.
- 1985–88 Full-time Instruction Faculty, Social Sciences Department, Pima Community College, West Campus, Tucson, Arizona. Taught multiple sections of Introduction to Cultural Anthropology (101 and 201), Introduction to Anthropological Linguistics (101), and Independent Studies in Anthropology (210).
- 1983–86 Seasonally employed Archaeologist and Educator, Crow Canyon Archaeological Center, Cortez, Colorado. Duties ranged from teaching Culture History of the U.S. Southwest and Introduction to



Laboratory and Field methods to supervising survey, excavation, and laboratory analysis and delivering evening lectures on a variety of archaeological and anthropological topics. Program participants included elementary, middle school, and high school students, as well as adults.

- 1983 Associate Instructional Faculty, Pima Community College, West Campus, Tucson, Arizona. Taught two sections of Introduction to Cultural and Linguistic Anthropology (100).
- 1980–82 Teaching Assistant for Dr. William Lipe, Department of Anthropology, Washington State University, Pullman. Duties included teaching classes and preparing teaching units for two courses: Archaeological Method and Theory and Cultural Resource Management.
- 1979 Part-time Instructor, Department of Anthropology, University of Nebraska, Lincoln. Co-taught (with Dr. Frances Calabrese) one course: Introduction to Anthropology.
- 1976 Student Teacher for Dr. Angela Zerdavis, Social Sciences Department, Pima Community College, West Campus, Tucson. Duties included teaching classes and preparing teaching units for one course: Introduction to Cultural Anthropology and Linguistics.
- 1975–76 Teaching Assistant for Drs. William Rathje and Stephen Zegura, Department of Anthropology, University of Arizona, Tucson. Duties included teaching classes and reading/grading papers and tests for one course: Introduction to Archaeology and Biological Anthropology.

#### **OTHER PROFESSIONAL ACTIVITIES:**

- 2016 Cordell Book Award Prize Committee Member for the School of Advance Research, Santa Fe, New Mexico. Award presented to Dr. Scott G. Orton (2012) for *Winds from the North: Tewa Origins and Historical Anthropology*, University of Utah Press, Salt Lake City.
- pres. Invited Reviewer: manuscripts, article reviews, and research proposals for various presses and journals including: University of Arizona Press, University of New Mexico Press, University of Utah Press, University Press of Colorado, Westwood Press, National Geographic Society, Western National Parks Association, National Science Foundation, *American Antiquity*, *Current Anthropology*, *Kiva*, *Geoarchaeology*, *The Holocene*, *Journal of Anthropological Research*, *Journal of Arizona Archaeology*, *Journal of Ethnobotany*, and *Advances in Archaeological Practice*.
- pres. Coordinator of Research for the Dissertation Research Grants Program, established 2006. SRI Foundation, Rio Rancho, New Mexico.
- pres. Internship Coordinator and Supervisor, the Summer Institute in Cultural Resource Management, established 2010. SRI Foundation, Rio Rancho, New Mexico.
- pres. Technical Report Editor, Southwest Archaeological Consultants, Inc., Santa Fe, New Mexico.

#### **PROFESSIONAL ASSOCIATIONS:**

- ▶ Arizona Archaeological Council
- ▶ Arizona Archaeological and Historical Society
  - President 1975–1976
  - Vice President 1974–1975
  - Assistant Editor of *Kiva*, Journal of the AAHS 1986–1988

- Member of the Board 1993–1996 (Chairperson, Fund Raising Committee 1994–1996)
- ▶ Crow Canyon Archaeological Center (Research Associate since 1987)
- ▶ New Mexico Archaeological Council
- ▶ Register of Professional Archaeologists (1999–present)
- ▶ Rio Grande Foundation for Communities and Cultural Landscapes
  - Member of the Board (2011–present)
- ▶ Santa Fe Institute (Member since 1995)
- ▶ Sigma Xi
- ▶ Society for American Archaeology
- ▶ Western National Parks Association (formerly Southwest Parks and Monuments Association)
  - Member of the Board 1995–2005, 2007–2011
  - Chairman of the Board 2001–2003
  - Vice Chairman of the Board 1998–2000
    - Executive Committee, 1998–2003
    - Finance Committee 1995–1997, 2004
    - Publications Committee 1996–2000
    - Research Committee 1998–2000, 2005, 2008–2011 (Chair, 2008–2010)
    - Performance Review, 2004–2005
    - Hubbell Trading Post Task Force, 2004–2005
    - Strategic Planning Committee (2007–2011; Chair, 2007–2008)
    - Nominations Committee (2007)
  - Emeritus Advisor (2011–present)

## REFERENCES:

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Jeffrey S. Dean, Professor Emeritus, Laboratory of Tree-Ring Research, University of Arizona, Tucson, Arizona 85721; (520) 621-2320; jdean@LTRR.arizona.edu

Terry H. Klein, Executive Director, SRI Foundation, 333 Rio Rancho Drive, Suite 103, Rio Rancho, New Mexico 87124; (505) 892-5587; tklein@srifoundation.org

Timothy A. Kohler, Regents Professor, Department of Anthropology, Washington State University, Pullman, Washington 99164; (509) 335-2698; tako@wsu.edu

William D. Lipe, Professor Emeritus, Department of Anthropology, Washington State University, Pullman, Washington 99164, and Former Director of Research, Crow Canyon Archaeological Center, 23390 County Road "K," Cortez, Colorado 81321; (509) 335-2100; (970) 565-8975; lipe@wsu.edu

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