**RÉSUMÉ**

MARK D. ELSON

**Education**

Ph.D. Anthropology, University of Arizona, 1996

M.A., Anthropology, University of Arizona, 1980

B.A., Anthropology, University of Rhode Island, 1978

**Language**

Spanish: reading and writing ability

**Professional Experience**

1997 to present: Senior Research Archaeologist: Principal Investigator, Desert Archaeology, Inc., Tucson, Arizona. Dr. William H. Doelle, president.

Principal Investigator and Report Reviewer (2000 to present) for content review of all Desert Archaeology, Inc. Technical Reports and Anthropological Papers prior to distributing the report to the client and to federal, state, local, and tribal regulatory agencies.

Principal Investigator and Project Director for the archaeological testing, data recovery, and report preparation for 40 Cohonina and Sinagua sites along U.S. 89 north of Flagstaff, Arizona (the U.S. 89 ‑ Wupatki to Fernwood Project).

Principal Investigator for the archaeological testing, data recovery, and report preparation for sites in the Little Green Valley segment along the Mogollon Rim on S.R. 260 east of Payson, Arizona (the S.R. 260 ‑ Payson to Heber Project, Dr. Sarah Herr, Project Director).

Principal Investigator for the archaeological testing, data recovery, and report preparation for 10 sites along the Verde River on S.R. 260 in the Camp Verde area (the S.R. 260 ‑ Cottonwood to Camp Verde Project, Susan Hall, Project Director).

Principal Investigator for the archaeological data recovery and report preparation for the northwest locus of the Tanque Verde Wash site (AZ BB:13:68), Tucson, Arizona (Dr. Patricia Cook, Project Director).

1984 to 1997: Senior Research Archaeologist: Project Director, Desert Archaeology, Inc. (formerly the Arizona Division of the Institute for American Research), Tucson, Arizona. Dr. William H. Doelle, president.

Directed the archaeological testing, data recovery, and report preparation for 29 Salado and Hohokam sites along the Salt River and Roosevelt Lake in the Lower Tonto Basin of central Arizona (the Roosevelt Community Development Study).

Directed the archaeological testing, data recovery, and report preparation for 19 Salado and Hohokam sites along State Route 87 in the Upper Tonto Basin of central Arizona (the Rye Creek Project).

Preparation of a research design for the Upper and Lower Ruins, cliff dwellings at Tonto National Monument in the Lower Tonto Basin of central Arizona. Project undertaken for the Western Archaeological and Conservation Center (WACC), National Park Service.

Directed the archaeological testing and report preparation for the Mission Road extension project, including the testing of a large Tucson Basin Early Agricultural (Late Archaic) pithouse village and numerous historic features related to the early occupation of Tucson.

Directed the archaeological survey, testing, and report preparation for the Valencia site, a large pre‑Classic Tucson Basin Hohokam ballcourt village.

Directed the archaeological survey and report preparation of a four-square-mile area within Catalina State Park north of Tucson, including the intensive surface collection of the Romero Ruin ballcourt village. Prepared nomination of the Sutherland Wash Archaeological District for the National Register of Historic Places.

Directed the archaeological testing, data recovery, and report preparation for the Tanque Verde Wash site, a Rincon phase Tucson Basin Hohokam village.

1993: (September-December) Supervisory Archaeologist, Humahuaca Valley Research Project, Tilcara, Argentina. Dr. Axel Nielsen, Principal Investigator.

Supervised local archaeologists and EarthWatch volunteers in the excavation of Los Amarillos, a 9th-14th century A.D. occupation in the Argentinean Andes.

1987: (August-October) Supervisory Archaeologist, Banco Central de Ecuador, Guayaquil, Ecuador. Dr. Patricia Netherly, Principal Investigator.

Supervised crews of local laborers in the testing and excavation of Valdivia, Machalilla, and Jambalí phase sites in the southeastern coastal zone of Ecuador.

1984: (January-April) Archaeologist, Saguaro National Monument survey, National Park Service, Tucson, Arizona. Dr. Kay Simpson, Principal Investigator.

Participated in archaeological survey and supervised survey crews of Tucson Basin Hohokam occupation in the 3,000-4,000-foot elevation of the Rincon Mountains.

1982 to 1983: (November-December) Crew Chief, New River Authorized Dam Project, Soil Systems Inc., Phoenix, Arizona. Dr. David Doyel, Principal Investigator.

Directed the data recovery and report preparation for six Hohokam sites in the New River area north of Phoenix. Research included the excavation of rockshelters, fieldhouses, pithouse farmsteads, and a small pithouse village. Large-scale, village-level specialization in ground stone tool manufacture was documented.

1982: (May-August) Crew Chief, Ash Creek Project, Arizona State University, Tempe, Arizona. Dr. Glen Rice, Principal Investigator.

Directed the excavation of a Salado pueblo and a small Hohokam pithouse farmstead in the Lower Tonto Basin of central Arizona.

1981: (April-October) Supervisory Archaeologist, Navajo Nation Cultural Resource Management Program, Window Rock, Arizona. Dr. David Doyel, Principal Investigator.

Directed more than 25 small survey projects throughout the Navajo Reservation.

Directed archaeological survey and report preparation of 1,200 acres on the Navajo Reservation, Red Rock Valley, Arizona, recording 47 BMIII-PIII Ancestral Pueblo (Anasazi) sites.

1980 to 1981: (November-March) Assistant Arizona State Highway Archaeologist, Arizona State Museum, Tucson, Arizona. Dr. Alan Sullivan, Arizona State Highway Archaeologist.

Directed the archaeological testing and report preparation for two Kayenta Anasazi sites on the Navajo Reservation, Cameron, Arizona.

Preparation of research design for 25 Salado sites to be impacted by the upgrading of State Route 87, Phoenix to Payson Highway, Arizona Department of Transportation (the Ord Mine Project).

Participated in more than 20 survey projects throughout the state of Arizona conducted for the Arizona Department of Transportation.

1978: (June-August) Student, State University of New York College of Oneonta Archaeological Field School. Excavation of a pre-Iroquois (Owasco) seasonal encampment on the Susquehanna River, Catskill Region, New York. Dr. William Starna, Field School Director.

1977: (May-August) Field Assistant, Rochester Museum and Science Center, Rochester, New York. Assisted in the excavation of the Boughton Hill site, a 17th century Seneca Iroquois Village. Mr. George Hamell, Project Director.

**Academic Experience**

2010 to present: Adjunct Associate Professor, School of Anthropology, University of Arizona, Tucson.

2001 to present: Adjunct Professor, Quaternary Sciences Program, Center for Environmental Studies, College of Arts and Sciences, Northern Arizona University, Flagstaff.

2010-2013 (spring): Participating Faculty, Archaeological Field School, ANTH 442a,b/642a,b, School of Anthropology, University of Arizona, Tucson. Professors: Dr. Paul and Suzy Fish.

2007 (spring), 2009 (spring), 2010 to present (fall): Co-Professor, Cultural Resource Management, ANTH 440A/540A, School of Anthropology, University of Arizona, Tucson. Professor of Record: Dr. T.J. Ferguson.

1980: Teaching assistant for Native Peoples of the Southwest: Prehistory (Anthropology 205A), University of Arizona, Dr. J. Jefferson Reid, professor.

1980: (May-August) Dig Foreman, University of Arizona Archaeological Field School, Grasshopper, Arizona. Dr. J. Jefferson Reid, Field School Director.

1979 to 1980: Teaching assistant for Human Evolution (Anthropology 265), University of Arizona, Dr. F. J. Meany, visiting professor.

1979: (May-August) Archaeological Assistant, University of Arizona Archaeological Field School, Grasshopper, Arizona. Dr. J. Jefferson Reid, Field School Director.

**Grant Awards (Total = $232,730)**

1990 Arizona Archaeological and Historical Society, $500, X-ray diffraction of argillite artifacts.

1999 Arizona Humanities Council, $6,000, for production of video by Echo Productions, Flagstaff, Arizona, “In the Shadow of the Volcano: Prehistoric Life in Northern Arizona.”

1999 City of Flagstaff, Arizona, $5,000, for production of video by Echo Productions, Flagstaff,

“In the Shadow of the Volcano: Prehistoric Life in Northern Arizona.”

2000 Southwest Parks and Monuments Association, $7,303, “The Origin of Cinders in Wupatki

National Monument,” with M.H. Ort (NAU).

2002 National Park Service, Flagstaff Area Monuments, $7,500, “The Sunset Crater Dating Project,” with M.H. Ort (NAU).

2002 Western National Parks Association, $7,500, “Little Springs Volcanology and Archaeology Project: Human Interaction with the Little Springs Eruption,” with M.H. Ort (NAU) and W.A. Duffield (USGS).

2004 Western National Parks Association, $7,500, “Strontium (Sr) Isotope Analysis and Provenance of Construction Wood at Wupatki Pueblo (NA 405),” with M.H. Ort (NAU) and C.E. Downum (NAU).

2004 National Science Foundation, Earth Sciences Division, $179,927, “Collaborative Research: Dendrochronological, Volcanological, and Archaeological Study of Cinder Cone Eruptions of Parícutin and Sunset Crater,” with P.R. Sheppard (UA) and M.H. Ort (NAU).

2006 Western National Parks Association, $7,500, “A.D. 1064? A Pilot Study of Archaeological Tree-Ring Samples to Search for Persistent Visible Evidence of the Eruption of Sunset Crater,” with J.S. Dean (UA) and D.J. Street (UA).

2008 National Park Service, Flagstaff Area National Monuments, $4,000, “Strontium Isotope Analysis of Prehistoric Corn to Identify Source Area: Implications for Prehistoric Agriculture and Cultural Interaction in Wupatki and Walnut Canyon National Monuments and the Coconino National Forest,” with K.C. Anderson (MNA).

**Professional and Honorary Societies**

Society for American Archaeology

Society for Archaeological Sciences

Arizona Archaeological Council

Arizona Archaeological and Historical Society

Phi Beta Kappa

**Research Interests**

Southwest United States archaeology and ethnography

Settlement pattern analysis and economic, exchange, and interaction systems

Social organization, kinship systems, and cultural/ethnic boundaries

Environmental archaeology

Archaeometry

Paleoenvironmental reconstruction

Human adaptation to disasters/catastrophic events

**Publications**

1981 The Deer Hunters: Star Carr Reconsidered. *World Archaeology* 13(1):31‑46. Co-authors: J. M. Andresen, B.F. Byrd, R.H. McGuire, R.G. Mendoza, E. Staski and J.P. White.

1982 *The Carrizo Flats Survey: Anasazi and Navajo Occupation of the Red Rock Valley Area of Arizona, Navajo Nation*. Papers in Anthropology No. 17. Navajo National Cultural Resource Management Program, Window Rock, Arizona. Senior author: L.E. Warner.

1985 *Hohokam Settlement and Economic Systems in the Central New River Drainage, Arizona*, 2 vols (editor). Publications in Archaeology No. 4. Soil Systems, Inc., Phoenix. Senior editor: D.E. Doyel.

1985 Hohokam Settlement and Economic Systems in the Northern Periphery: A Comparative Analysis. In *Proceedings of the 1983 Hohokam Symposium, Part I*, edited by A.E. Dittert and D.E. Dove, pp. 45‑64. Occasional Paper No. 2. Arizona Archaeological Society. Junior authors: D.E. Doyel and T.L. Hoffman.

1985 Ground Stone Tool Production in the New River Basin. In *Proceedings of the 1983 Hohokam Symposium, Part II*, edited by A.E. Dittert and D.E. Dove, pp. 655‑686. Occasional Paper No. 2. Arizona Archaeological Society. Senior authors: T.L. Hoffman and D.E. Doyel.

1986 *Archaeological Investigations at the Tanque Verde Wash Site: A Middle Rincon Settlement in the Eastern Tucson Basin*. Anthropological Papers No. 7. Institute for American Research, Tucson.

1988 Tucson Basin Stucco-Coated Plainware: A Technological Assessment. *Kiva* 53(3):273-286. Senior author: J. Heidke.

1988 Household Interaction and Differentiation at the Tanque Verde Wash Site, a Middle Rincon Hamlet in the Eastern Tucson Basin. In *Recent Research on Tucson Basin Prehistory: Proceedings of the Second Tucson Basin Conference*, edited by W.H. Doelle and P.R. Fish, pp. 87-108. Anthropological Papers No. 10. Institute for American Research, Tucson.

1990 The Use of Argillite as a Ceramic Pigment. *Pottery Southwest* 17(2):1-7.

1991 Review of Erich F. Schmidt's Investigations of Salado Sites in Central Arizona: The Mrs. W. B. Thompson Archaeological Expedition of the American Museum of Natural History, by John W. Hohmann and Linda B. Kelley. *Kiva* 56(4): 411-415.

1992 Architectural Variability in the Tonto Basin: A Roosevelt Phase Perspective. In *Proceedings of the Second Salado Conference*, edited by R.C. Lange and S. Germick, pp. 38-49. Occasional Paper 1992. Arizona Archaeological Society, Phoenix. Senior author: D.B. Craig; Junior author: D. Jacobs.

1992 The Growth and Development of a Platform Mound Community in the Eastern Tonto Basin. In *Proceedings of the Second Salado Conference*, edited by R.C. Lange and S. Germick, 22-30. Occasional Paper 1992. Arizona Archaeological Society, Phoenix. Senior author: D.B. Craig; Junior author: J.S. Wood.

1992 Prelude to Salado: Preclassic Period Settlement in the Upper Tonto Basin. In *Proceedings of the Second Salado Conference*, edited by R.C. Lange and S. Germick, pp. 274-285. Occasional Paper 1992. Arizona Archaeological Society, Phoenix. Junior authors: M.T. Stark and J. Heidke.

1992 *The Rye Creek Project: Archaeology in the Upper Tonto Basin*, 3 vols. Anthropological Papers No. 11. Center for Desert Archaeology, Tucson. Junior author: D.B. Craig.

1992 *Research Design for the Roosevelt Community Development Study*. Anthropological Papers No. 12. Center for Desert Archaeology, Tucson. Co-authors: W.H. Doelle, H.D. Wallace, and D.B. Craig.

1994 *The Roosevelt Community Development Study: Vol. 1. Introduction and Small Sites*. Anthropological Papers No. 13. Center for Desert Archaeology, Tucson. Junior author: D.L. Swartz.

1994 *The Roosevelt Community Development Study: Vol. 2. Meddler Point, Pyramid Point, and Griffin Wash Sites*. Anthropological Papers No. 13. Center for Desert Archaeology, Tucson. Junior authors: D.L. Swartz, D.B. Craig and J.J. Clark.

1994 X-Ray Diffraction Results of the Sourcing of Argillite Artifacts from Pueblo Grande (AZ U:9:7 [ASM]). In *The Pueblo Grande Project, Volume 4: Material Culture*, edited by M.S. Foster, pp. 393-415. Publications in Archaeology No. 20. Soil Systems, Inc., Phoenix. Junior author: J.N. Gunderson.

1995 Highlights of Tonto Basin Prehistory: Results of the Roosevelt Community Development Study. *Archaeology in Tucson* 9(3):1-3, 6-7.

1995 *The Roosevelt Community Development Study: Vol. 1. Stone and Shell Artifacts* (editor). Anthropological Papers No. 14. Center for Desert Archaeology, Tucson. Junior editor: J.J. Clark.

1995 *The Roosevelt Community Development Study: Vol. 3. Paleobotanical and Osteological Analyses* (editor). Anthropological Papers No. 14. Center for Desert Archaeology, Tucson. Junior editor: J.J. Clark.

1995 *The Roosevelt Community Development Study: New Perspectives on Tonto Basin Prehistory* (editor). Anthropological Papers No. 15. Center for Desert Archaeology, Tucson. Junior editors: M.T. Stark and D.A. Gregory.

1995 Causes and Consequences of Migration in the 13th Century Tonto Basin. *Journal of Anthropological Archaeology* 14(2):212-246. Senior authors: M.T. Stark and J.J. Clark.

1996 *An Ethnographic Perspective on Prehistoric Platform Mounds of the Tonto Basin, Central Arizona*. Ph.D. dissertation, Department of Anthropology, University of Arizona, Tucson. University Microfilms, Ann Arbor.

1996 A Revised Chronology and Phase Sequence for the Lower Tonto Basin of Central Arizona. *Kiva* 62(2):117‑148.

1997 *A Research Design for the Upper and Lower Ruins, Tonto National Monument*. Publications in Anthropology 71. Western Archaeological and Conservation Center, National Park Service, Tucson.

1998 Social Boundaries and Technical Choices in Tonto Basin Prehistory. In *The Archaeology of Social Boundaries*, edited by M.T. Stark, pp. 208‑231. Smithsonian Institution Press, Washington, D.C. Senior author: M.T. Stark; Junior author: J.J. Clark.

1998 *Expanding the View of Hohokam Platform Mounds: An Ethnographic Perspective*. Anthropological Papers No. 63. University of Arizona Press, Tucson.

2000 Tonto Basin Local Systems: Implications for Cultural Affiliation and Migration. In *Salado*, edited by J.S. Dean, pp. 167‑192. University of New Mexico Press, Albuquerque. Junior authors: M.T. Stark and D.A. Gregory.

2000 Organizational Variability in Platform Mound‑Building Groups of the American Southwest. In *Alternative Leadership Strategies in the Prehispanic Southwest*, edited by B.J. Mills, pp. 117‑135. University of Arizona Press, Tucson. Junior author: D.R. Abbott.

2000 Southwest Platform Mounds from an Ethnographic Perspective. In *The Hohokam Village Revisited*, edited by D.E. Doyel, S.K. Fish, and P.R. Fish, pp. 345‑372. Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science, Fort Collins, Colorado.

2001 In the Shadow of the Volcano: the Making of a Documentary Film. *Arizona Insight*, January 2001:17‑18.

2002 Contact or Colonization: The Origins and Possible Ethnicity of the Tonto Basin Salado Culture. In *The Archaeology of Contact: Processes & Consequences*, edited by K. Lesick, B. Kulle, C. Cluney, and M. Peruamaki-Brown, pp. 235-248. University of Calgary, Alberta, Canada.

2002 Lava, Corn, and Ritual in the Northern Southwest. *American Antiquity* 67:119‑135. Junior authors: M.H. Ort, S.J. Hesse, and W.A. Duffield.

2003 In the Shadow of the Volcano: Recent Research at Sunset Crater (editor). *Archaeology Southwest* 17(1). Junior editor: M.H. Ort.

2005 Dendrochronological Responses to the 24 October 1992 Tornado at Sunset Crater, Northern Arizona. *Canadian Journal of Forest Research* 35:2911-2919. Senior authors: P.R. Sheppard, E.M. May, M.H. Ort, and K.C. Anderson.

2006 *Sunset Crater Archaeology: The History of a Volcanic Landscape. Introduction and Site Descriptions*, 2 vols (editor). Anthropological Papers No. 30. Center for Desert Archaeology, Tucson.

2006 *Sunset Crater Archaeology: The History of a Volcanic Landscape. Stone, Shell, Bone, and Mortuary Analyses* (editor). Anthropological Papers No. 31. Center for Desert Archaeology, Tucson.

2007 *Sunset Crater Archaeology: The History of a Volcanic Landscape. Ceramic Technology, Distribution, and Use* (editor). Anthropological Papers No. 32. Center for Desert Archaeology, Tucson. Senior editor: S. Van Keuren; Junior editor: S.A. Herr.

2007 *Sunset Crater Archaeology: The History of a Volcanic Landscape. Environmental Analyses* (editor). Anthropological Papers No. 33. Center for Desert Archaeology, Tucson.

2007 Hohokam Life in the Eastern Tucson Basin. In *Archaeology Southwest* 21(3):14. Junior author: P. Cook.

2007 Rethinking the Hohokam Periphery: The Preclassic Period Tonto Basin. In *Hinterland and Heartland in Southwest Prehistory*, edited by A.P. Sullivan, III and J. Bayman, pp. 31-49. University of Arizona Press, Tucson. Junior author: J.J. Clark.

2007 Living with the Volcano: the 11th Century AD Eruption of Sunset Crater. In *Under the Shadow: Cultural and Environmental Responses to Volcanic Eruptions*, edited by J. Grattan and R. Torrence, pp. 107-132. Left Coast Press, Walnut, CA. Junior authors: M.H. Ort, K.C. Anderson, and J.M. Heidke.

2008 Multiple Dendrochronological Signals Indicate the Eruption of Parícutin Volcano, Michoacán, Mexico. *Tree-Ring Research* 64(2):97-108. Senior authors: P.R. Sheppard, M.H. Ort, K.C. Anderson; Junior authors: L. Vazquez-Selem, A.W. Clemens, N.C. Little, and R.J. Speakman.

2008 Effects of scoria-cone eruptions upon nearby human communities. *GSA Bulletin* 120(3-4):476-486. Senior author: M.H. Ort; Junior authors: K.C. Anderson, W.A. Duffield, J.A. Hooten, D.E. Champion, and G. Waring.

2008 Variable effects of cinder-cone eruptions on prehistoric agrarian human populations in the American Southwest. *Journal of Volcanology and Geothermal Research* 176(2008):363-376. Senior author: M.H. Ort; Junior authors: K.C. Anderson, W.A. Duffield, and T.L. Samples.

2008 Into the Earth and Up to the Sky: Hohokam Ritual Architecture. In *The Hohokam Millennium*, edited by S.K. Fish and P.R. Fish, pp. 49-55. School for Advanced Research Press, Santa Fe, New Mexico.

2010 Effects of the ca. A.D. 1100 Sunset Crater Eruption on Local Populations, Northern Arizona. In *Apocalypse Then and Now, a Conference about Archaeology and World’s Ends*. University of Calgary, Alberta, Canada. Junior authors: M.H. Ort and J.M. Heidke.

2011 *Sunset Crater Archaeology: The History of a Volcanic Landscape. Prehistoric Settlement in the Shadow of the Volcano* (editor). Anthropological Papers No. 37. Center for Desert Archaeology, Tucson.

2012 Archaeometry in Southwest Archaeology (editor). *Archaeology Southwest Magazine* 26(2). Senior editor: Mary Ownby.

2012 Fire in the Sky: The Eruption of Sunset Crater Volcano. In *Hisatsinom: Ancient Peoples in a Land without Water*, edited by C.E. Downum, pp. 27-34. School of Advanced Research Press. Junior author: M.H. Ort.

2014 Tonto Basin Prehistoric Settlement. In *Hohokam Trajectories in World Perspective*, edited by S.K. Fish and P.R. Fish. University of Arizona Press, Tucson. Junior author: J.J. Clark, in press.

2014 Ritual Practice and Hohokam Trajectories. In *Hohokam Trajectories in World Perspective*, edited by S.K. Fish and P.R. Fish. University of Arizona Press, Tucson. Senior author: B.J. Mills; Co-authors: P.R. Fish, G. Rice, and H.D. Wallace, in press.

2015 Sunset Crater and Little Springs Volcano Eruptions: Hazards Management in the 11th Century A.D. Prehistoric Southwest. In *Causation and Explanation: Demography, Movement, and Historical Ecology, Proceedings of the 13th Southwest Symposium*, edited by C. Herhahn and A. Ramenofsky. University of Colorado Press, Boulder. Junior authors: M.H. Ort and K.C. Anderson, in press.

2015 A.D. 1064No More? Re-Dating the Eruption of Sunset Crater Volcano, Northern Arizona. In *Tree-Rings, Environment, and Behavior: The Legacy of Jeffrey S. Dean*, edited by R.H. Towner. University of Utah Press, Salt Lake City. Junior authors: M.H. Ort, P.R. Sheppard. T. Samples, K.C. Anderson, and E.M. May, in review.

**Technical Reports**

1984 *An Archaeological Survey of the Norris Allotment, San Xavier Indian Reservation, Pima County, Arizona*. Technical Report No. 84-1. Institute for American Research, Tucson. Junior author: Deborah L. Swartz.

1984 *Assessment of Research Potential and Data Recovery Plan for Archaeological Site AZ BB:13:68 (ASM)*. Technical Report No. 84-9. Institute for American Research, Tucson.

1985 *An Archaeological Survey of the Agiris Property, Speedway Boulevard and Jones Road, Pima County Arizona*. Technical Report No. 85-1. Institute for American Research, Tucson.

1986 *The Valencia Site Testing Project: Mapping, Intensive Surface Collection, and Limited Trenching of a Hohokam Ballcourt Village in the Southern Tucson Basin*. Technical Report No. 86-6. Institute for American Research, Tucson. Junior author: William H. Doelle.

1987 *Archaeological Survey in Catalina State Park with a Focus on the Romero Ruin*. Technical Report No. 87-4. Institute for American Research, Tucson. Junior author: William H. Doelle.

1987 *Archaeological Assessment of the Mission Road Extension: Testing at AZ BB:13:6 (ASM)*. Technical Report No. 87-6. Institute for American Research, Tucson. Junior author: William H. Doelle.

1989 *Archaeological Testing within the Upper Tonto Basin: The Rye Creek Project*. Technical Report No. 89-2. Institute for American Research, Tucson. Junior author: Deborah L. Swartz.

1989 *Data Recovery Plan for the State Route 87/Rye Creek Project*. Technical Report No. 89-3. Institute for American Research, Tucson. Junior author: William H. Doelle.

1989 Arc*haeological Testing of the Haught Parcel within the Upper Tonto Basin, Gila County, Arizona*. Technical Report 89-4. Institute for American Research, Tucson. Junior author: Deborah L. Swartz.

1997 *Treatment Plan for the U.S. 89 ‑ Wupatki to Fernwood Project*. Technical Report No. 97‑10. Center for Desert Archaeology, Tucson.

1998 *Phase 1 Results and Phase 2 Work Plan for Segments 2 and 3, U.S. 89 ‑ Wupatki to Fernwood Archaeological Project*. Technical Report No. 98‑5. Center for Desert Archaeology, Tucson.

1999 *Archaeological Investigations for the Menlo Park Storm Drain Project: Prehistoric and Historic Canal Systems at the Base of A-Mountain*. Technical Report No. 96-14. Center for Desert Archaeology, Tucson. Senior authors: Andrea K. L. Freeman and William H. Doelle; Junior author: Allison Cohen Diehl.

2001 *Treatment Plan for the S.R. 260 ‑ Cottonwood to Camp Verde Project* (editor). Technical Report No. 2001‑03. Desert Archaeology, Inc., Tucson. Senior editor: Susan D. Hall.

2001 *Origin of Cinders in Wupatki National Monument*. Report Prepared for Southwest Parks and Monuments Association Grant # FY00‑11. Technical Report No. 2001‑12. Desert Archaeology, Inc., Tucson. Senior authors: Jason A. Hooten and Michael H. Ort.

2002 *Archaeological Investigations in Sections 1A, 1B, and 2, SR 260 – Cottonwood to Camp Verde Archaeological Project* (editor). Technical Report No. 2002-11. Desert Archaeology, Inc., Tucson. Senior editor: Susan D. Hall.

2002 *A Paleomagnetic Dating Study of Sunset Crater Volcano. Investigators Final Report Study #: SUCR-00007.* Technical Report No. 2002-16. Desert Archaeology, Inc., Tucson. Senior author: Michael H. Ort; Junior author: Duane E. Champion.

2005 *Development of a Dendrochemical Method to Date Cinder Cone Volcanoes*. *Investigators Final Report on the Sunset Crater Volcano Dating Project, National Park Service, Flagstaff Area National Monuments, Contract No. P7470-02-0040*. Technical Report No. 2005-10. Desert Archaeology, Inc. Co-authors: Paul R. Sheppard and Michael H. Ort.

2009 *The Tanque Verde Wash Site Revisited: Excavations in the Northwest Locus* (editor). Technical Report No. 2007-01. Desert Archaeology, Inc., Tucson. Junior editor: P.L. Cook.

2009 *A.D. 1064? A Pilot Study of Archaeological Tree-Ring Samples to Search for Visible Evidence of the Eruption of Sunset Crater Volcano, Northern Arizona*. *Investigators Final Report, Western National Parks Association Grant #06-10.* Technical Report No. 2009-03. Desert Archaeology, Inc., Tucson. Junior authors: D.J. Street, J.S. Dean, and M.H. Ort.

2010 *Archaeological Investigations of Selected Mortuary Contexts at AZ AA:12:321 (ASM), Marana, Pima County, Arizona* (editor). Technical Report No. 2006-12. Desert Archaeology, Inc., Tucson. Senior editor: J.H. Thiel.

**Papers Presented at Meetings**

1984 Hohokam Expansion North of the Salt River Valley: Models and Evidence. Paper presented at the 49th Annual Meeting of the Society for American Archaeology, Portland, Oregon. Senior author: D.E. Doyel.

1986 The Tanque Verde Wash Site: Rincon Phase Settlement in the Tucson Basin. Paper presented at the 51st Annual Meeting of the Society for American Archaeology, New Orleans.

1986 Pithouses and Townhouses: Cooperation Between Archaeologist and Developer. Paper presented at the 51st Annual Meeting of the Society for American Archaeology, New Orleans. Senior author: T.M. Kolaz.

1986 An Overview of Changing Community Patterns in the Tucson Basin. Paper presented at the 2nd Tucson Basin Conference, Tucson. Senior author: W.H. Doelle.

1989 Recent Research in the Northern Tonto Basin. Paper presented at the Fall 1989 Arizona Archaeological Council meetings, Phoenix.

1991 The Mineralogy of Argillite: Trade and Exchange in the American Southwest. Paper presented at the 56th Annual Meeting of the Society for American Archaeology, New Orleans. Junior author: J.N. Gundersen.

1991 Preclassic Period Settlement in the Upper Tonto Basin: Prelude to Salado. Paper presented at the 56th Annual Meeting of the Society for American Archaeology, New Orleans.

1991 Ceramic Flow Rates and the Scale of Prehistoric Ceramic Production and Distribution in the Tucson Basin. Paper presented at the 1991 Meetings of the Southwestern Anthropological Association, Tucson. Senior authors: H.D. Wallace, J.M. Heidke, and D.B. Craig.

1992 Contact or Colonization: The Origins and Ethnicity of the Tonto Basin Salado Culture. Paper presented in the symposium “The Archaeology of Contact: Processes and Consequences,” at the 25th Annual Chacmool Conference, University of Calgary, Alberta, Canada.

1993 Productive Specialization in the Tonto Basin: A Ceramic Study. Paper presented in the symposium “Southern Ceramics,” at the Spring Meeting of the Arizona Archaeological Council, Flagstaff, Arizona. Senior authors: M.T. Stark and J. Heidke.

1993 Procurement, Production, and Distribution of Argillite Artifacts: A Preliminary Examination of Southwestern Interaction Systems. Poster presented at the 58th Annual Meetings of the Society for American Archaeology, St. Louis. Junior author: J.N. Gundersen.

1994 The Pyramid Point Platform Mound: Integration in the Tonto Basin. Paper presented in the symposium "Assessing the Implications of Platform Mounds from the Perspective of Seven Case Studies," at the 59th Annual Meeting of the Society for American Archaeology, Anaheim, California.

1995 Social Boundaries and Technical Choices in Tonto Basin Prehistory. Paper presented in the symposium "Social Boundaries, Technical Choices, and Material Culture Patterning," at the 60th Annual Meeting of the Society for American Archaeology, Minneapolis. Senior author: M.T. Stark; Junior author: J.J. Clark.

1995 Tonto Basin Local Systems: Implications for Cultural Affiliation, Migration, and the Salado. Paper prepared for “Prehistoric Salado Culture of the American Southwest: An Advanced Seminar,” Amerind Foundation, Dragoon, Arizona. Co-authors: M.T. Stark, D.A. Gregory, and J.J. Clark.

1995 Tossed Salado: Early Classic Period Migrations into the Tonto Basin. Paper presented at the Fall 1995 Meetings of the Arizona Archaeological Council, Flagstaff. Senior author: J.J. Clark.

1995 The Growth and Development of a Tonto Basin Local System. Paper presented in the workshop "Local Systems and Regional Economies in the Late Prehistoric Southwest," at the First Annual Durango Conference on Southwest Archaeology, Durango, Colorado.

1997 An Ethnographic Perspective on Prehistoric Southwestern Platform Mounds. Paper presented at the 62nd Annual Meeting of the Society for American Archaeology, Nashville.

1998 Organizational Variability in Platform Mound Building Groups of the American Southwest. Paper presented in the symposium "Corporate or Network? Alternative Leadership Strategies in the Greater Southwest," at the 63rd Annual Meeting of the Society for American Archaeology, Seattle.

1999 A Prehistoric Volcano Offering from the American Southwest. Paper presented at the 64th Annual Meeting of the Society for American Archaeology, Chicago. Junior author: M.H. Ort.

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