

## Mark D. Varien

### PERMANENT ADDRESS:

23390 C.R. K  
Cortez, CO 81321  
(970) 565-8975 ext. 151

### EDUCATION:

Arizona State University, Ph.D. Anthropology, 1997  
University of Texas, M.A. Anthropology, 1984  
University of Texas, B.A. Archaeological Studies, 1976

### RESEARCH INTERESTS:

Archaeology of the southwestern United States, site formation processes, household and community organization, settlement patterns, the formation of cultural landscapes, human impact on the environment, social theory, archaeology and public education, and American Indian involvement in archaeology.

### RECENT EMPLOYMENT: RESEARCH ARCHAEOLOGIST ON MAJOR PROJECTS

**1/07 –** Crow Canyon Archaeological Center  
**present** 23390 County Road K, Cortez, CO 81321, 303/565-8975  
**Supervisor:** Dr. Deborah Gangloff, President/CEO, Crow Canyon Archaeological Center  
**Position:** Executive Vice President Research Institute, Crow Canyon Archaeological Center

### SELECTED BOOKS, MONOGRAPHS, AND EDITED VOLUMES:

- 2012 *Emergence and Collapse of Early Villages: Models of Central Mesa Verde Archaeology*, edited by T. A. Kohler and M.D. Varien, Published in the series "Origins of Human Behavior and Culture," University of California Press, Berkeley, CA.
- 2010 *Time of Peril, Time of Change: Explaining Thirteenth-Century Pueblo Migration*, edited by T. A. Kohler, M.D. Varien, and A. Wright. Amerind Foundation Advanced Seminars, J. Ware series editor, University of Arizona Press, Tucson, AZ.
- 2008 *The Social Construction of Communities: Agency, Structure, and Identity in the Prehispanic Southwest*, edited by M.D. Varien and J. M. Potter. Published as a part of the series "Archaeology and Society," series editors Ian Hodder and Robert Preucel. AltaMira Press.
- 2002 *Seeking the Center Place: Archaeology and Ancient Communities in the Mesa Verde Region*, edited by M. D. Varien and R. H. Wilshusen, University of Utah Press, Salt Lake City.
- 2000 *Kiva: The Journal of Southwestern Anthropology and History*, Volume 66, Number 1, M. D. Varien, Guest Editor, The Arizona Archaeological and Historical Society, Tucson, AZ
- 1999 *Colorado Prehistory: A Context for the Southern Colorado River Basin*, edited by W. D. Lipe, M. D. Varien, and R. H. Wilshusen, Colorado Council of Professional Archaeologists, Denver.
- 1999 *Sedentism and Mobility in a Social Landscape: Mesa Verde and Beyond*, University of Arizona Press.

### PUBLISHED ARTICLES AND BOOK CHAPTERS:

- 2016 The Social Consequences of Climate Change in the Central Mesa Verde Region. *American Antiquity* 81:74–96. Junior author with Dylan M. Schwindt, R. Kyle Bocinsky, Scott G. Ortman, Donna M. Glowacki, and Timothy A. Kohler
- 2015 Water, Wind, Breath: Seeking Abundance in the North American Southwest. In *Abundance and Economics: An Archaeological Framework*, ed. Monica L. Smith, University Press of Colorado, Boulder, In Press, senior author with James M. Potter and Tito Naranjo.
- 2015 Modeling Agricultural Potential in the Mesa Verde Region: Combining Computer Simulation with Experimental Gardening. In *Dendroarchaeology in the Southwest*, ed. Ronald Towner, University of Utah Press, In Press, senior author with Scott G. Ortman, Paul Ermigiotti, Timothy A. Kohler, and Leigh Kuwanwisiwma.
- 2014 Defining and Using Households in Archaeological Analysis, In *Bulletin of the Texas Archaeological Society, Volume 85*, eds. Tamara L. Walter, Timothy K. Perttula, and Nancy A. Kenmotsu, pp. 225–334.
- 2014 The Genetic Diversity of Hopi Corn, In *Hopi Archaeology, History, and Heritage: Twenty-five Years of Collaborative Research with the Hopi Tribe*, University of Arizona Press, In Preparation, senior author with Shirley Powell and Leigh Kuwanwisiwma

- 2013 Friends and Foes: The Intertwined History of the Chaco, Middle San Juan, and Mesa Verde regions. In *Aztec and Salmon: The Middle San Juan World*, edited by Paul Reed and Gary Brown, SAR Press, Santa Fe. In Press.
- 2012 Modeling Prehispanic Pueblo Societies in Their Ecosystems, In *Ecological Modeling*, 214:30–41.
- 2012 Occupation Span and the Organization of Activities at Residential Sites: A Case Study from the Mesa Verde Region. In *Ancient Households of the Americas: Conceptualizing What Households Do*, edited by J. G. Douglass and N. Gonlin, University of Colorado Press, Boulder.
- 2012 Migration, Belonging and Identity in the Mesa Verde Region. In *Migration and Membership Regimes in Global and Historical Perspective*, edited by U. Bosma, G. Kessler and L. Lucassen, University of Minnesota Press, Minneapolis. In Press.
- 2012 The Mesa Verde Region, Chapter 50. In *The Oxford Handbook of North American Archaeology*, edited by T. R. Pauketat, Oxford University Press.
- 2010 A Scale Model of Seven Hundred Years of Farming Settlements in Southwestern Colorado. In *Becoming Villagers: Comparing Early Village Societies*, pp. 37–61, edited by M. S. Bandy and J. R. Fox, Amerind Studies in Archaeology, University of Arizona Press, Tucson, AZ.
- 2010 Depopulation of the Northern San Juan Region: Historical Review and Archaeological Context. In *Leaving Mesa Verde: Peril and Change in the Thirteenth-Century Southwest*, pp. 1–33, Amerind Studies in Archaeology, University of Arizona Press, Tucson.
- 2009 Modeling Demography in the Mesa Verde Region: Results from the Village Ecodynamics Project. In *A Century of Archaeological Research at Mesa Verde National Park*, Mesa Verde Museum Association, Mesa Verde, Colorado.
- 2009 The Mesa Verde Region: Southwestern Colorado and the Ebb and Flow of Ancient Settlement and Life. In *Archaeology in America, An Encyclopedia*, pp. 135–141. Westport, Connecticut.
- 2008 Mesa Verde Migrations. In *American Scientist*, Volume 96, pp. 146-153.
- 2008 The Social Production of Communities: Structure, Agency, and Identity. In *The Social Construction of Communities: Agency, Structure, and Identity in the Prehispanic Southwest*, edited by M. D. Varien and J. M. Potter, pp. 1-18. AltaMira Press.
- 2007 Historical Ecology in the Mesa Verde Region: Results from the Village Project, by M. D. Varien, S. G. Ortman, T. A. Kohler, D. M. Glowacki, and C. D. Johnson. *American Antiquity* 72(2):273–299.

#### **SELECTED AWARDS:**

- 1997 Society for American Archaeology Dissertation Prize
- First Prize, 1994 Ruppe Prize (Best student paper in Archaeology, Arizona State University)
- Stephen H. Hart Award (Given by the Colorado Historical Society to the Colorado Council of Professional Archaeologists to recognize authors of the five volume Colorado Prehistory)

#### **SELECTED GRANTS:**

- National Geographic Society Grant # 7473-03
- National Geographic Society Grant # 7694-04
- National Geographic Society Grant # 8211-07
- Colorado Historical Society Grant # 1997-PI-015
- Colorado Historical Society Grant # 2001-G1-005
- Colorado Historical Society Grant # 2003-M2-032
- Colorado Historical Society Grant # 2004-AS-008
- Colorado Historical Society Grant # 2004-01-056
- Colorado Historical Society Grant # 2005-02-023
- National Science Foundation Coupled Natural and Human Systems Grant # 2001-SES-0119981
- Save Americas Treasures Grant 2002
- Christensen Fund Grant 2005
- Christensen Fund Grant 2007
- National Science Foundation Coupled Natural and Human Systems Grant # 2008-DEB-0816400
- National Science Foundation ISE Communicating Research to Public Audiences Grant #2011 1241463