

Department of Anthropology CV: Payson Sheets

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Name: Payson Sheets
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EDUCATION

BA, date & institution: 1967 University of Colorado, Boulder.
MA, date & institution: 1969 University of Colorado, Boulder
PhD, date & institution: 1974 University of Pennsylvania, Philadelphia

EMPLOYMENT HISTORY (chronological, date first)

Fall 1971 Pitzer College. Temporary Lecturer in Anthropology.
1972-1974 California State University, Fresno. Assistant Professor.
Fall 1974-Current. University of Colorado. Assistant Professor. Promoted to Associate Professor, 1977. Promoted to Professor, 1986.
1982-1985 University of Colorado. Acting Director, Environment and Behavior Program, Institute of Behavioral Science.

FELLOWSHIPS, AWARDS, & HONORS (chronological, date first)

External fellowships, awards, and honors

1966-1967 NSF Undergraduate Traineeship. University of Colorado. \$4500.
1967-1968 Ford Foundation Masters Degree Fellowship. University of Colorado. \$5000.
1986 USGS Distinguished Visiting Scientist. Cascades Volcanic Observatory.
1991 "Diploma de Reconocimiento" for discovery and research at the Ceren site, El Salvador. Ministerio de Educacion, El Salvador. Highest award from the Ministry of Education.

- 1992 Director, Ceren Advisory Board, to initiate conservation of Architecture at the Ceren site, El Salvador, US Information Agency. \$6000.
- 1992 Keynote Speaker, Annual Meeting for the Incorporated Research Institutions for Seismology (IRIS). Santa Cruz, CA.
- 1993 "Laurel de Oro Ancalmo" award for successfully nominating the Ceren site for the World Heritage List of the United Nations. El Salvador. Highest award in El Salvador.
- 1994 "Certificado de Honor" award for providing Nicaragua with a national plan for archaeological research. Instituto Nicaraguense de Cultura, y Museo Nacional.
- 2002 U.S. Representative to United Nations Working Group "Remote Sensing for Conservation of World Heritage Sites" UNESCO
- 2006 American Association for the Advancement of Science, Elected Fellow.
- 2007 Selected to be the feature presentation on *National Geographic Weekend* television program in August 2007.
- 2008 Awarded "College Professor of Distinction."

Internal fellowships, awards, and honors

- 1967 Earl Morris Award in Archaeology. University of Colorado. \$500.
- 1984 Dean's Social Science Writing Award. University of Colorado.
- 1990-1991 Faculty Fellowship. C.R.C.W. University of Colorado. Two semesters of salary plus Grant-in-Aid of \$1800.

PUBLICATIONS (Peer Reviewed, in full publication citation style)

PEER-REVIEWED BOOKS

Scholarly books, authored

- 1992 Payson Sheets. *The Ceren Site: A Prehistoric Village Buried by Volcanic Ash in Central America*. Ft. Worth: Harcourt, Brace, Jovanovich. 150 pp.

- 2006 Payson Sheets. *The Ceren Site: An Ancient Village in Central America Buried by Volcanic Ash*. Revised and expanded edition. Belmont, CA: Wadsworth Publishing. 168 pp.

Scholarly books, co-authored

- 1992 Frederick W. Lange, Payson Sheets, Anibal Martinez, and Suzanne Abel-Vidor. *The Archaeology of Pacific Nicaragua*. Including three chapters by Wolfgang Hablerland, et al. Albuquerque: University of New Mexico Press. 323 pp.
- 1997 Rafael Cobos and Payson Sheets. *San Andres y Joya de Ceren, Patrimonio de la Humanidad*. San Salvador, El Salvador: Bancasa. 95 pp.

Scholarly books, edited

- 1983 Payson Sheets, ed. *Archeology and Volcanism in Central America: The Zapotitan Valley of El Salvador*. Thirteen chapters. 6 appendices. Austin: University of Texas Press. 307 pp.
- 2002 Payson Sheets, ed. *Before the Volcano Erupted: The Ancient Ceren Village in Central America*. Austin: University of Texas Press. Twenty two chapters. 226 pp.

Scholarly books, co-edited

- 1979 Payson Sheets and Donald K. Grayson, eds. *Volcanic Activity and Human Ecology*. New York: Academic Press. Twenty chapters, 644 pp.
- 1994 Payson Sheets and Brian R. McKee, eds. *Archaeology, Volcanism and Remote Sensing in the Arenal Region, Costa Rica*. Austin: University of Texas Press. 350pp.
- 2012 SURVIVING SUDDEN ENVIRONMENTAL CHANGE: ANSWERS FROM ARCHAEOLOGY. Co-edited with Jago Cooper. University Press of Colorado.

Volumes in institutional monograph series, authored

- 1976 Payson Sheets. *Ilopango Volcano and the Maya Protoclassic*. Museum Studies No. 9, Carbondale: Southern Illinois University. 85 pp.

2012 MAYA AGRICULTURE SOUTH OF THE CEREN VILLAGE, EL SALVADOR. Edited by Payson Sheets and Chris Dixon. Electronic Publication, Enlace Academico, El Salvador.

Spanish Version: AGRICULTURA MAYA AL SUR DEL SITIO ARQUEOLOGICO JOYA DE CEREN, EL SALVADOR. Editado por Payson Sheets y Chris Dixon. Publicacion electronico, Enlace Academico, El Salvador.

Volumes in institutional monograph series, co-authored

1978 Payson Sheets and Bruce Dahlin. *Artifacts and Figurines*. Volume 2 of *The Prehistory of Chalchuapa, El Salvador*, ed. by R. J. Sharer. Philadelphia: University of Pennsylvania Press. 211 pp.

PEER-REVIEWED CHAPTERS

Scholarly book chapters, authored

1979 Payson Sheets. "Environmental and Cultural Effects of the Ilopango Eruption in Central America." In *Volcanic Activity and Human Ecology*, eds. P. Sheets and D. Grayson, pp. 525-565. New York: Academic Press.

1980 Payson Sheets. "The Volcan Baru Region: A Site Survey." In *Adaptive Radiations in Prehistoric Panama*, eds. O. Linares and A. Ranere, pp. 267-76. Peabody Museum Monographs #5. Cambridge: Harvard University.

1982 Payson Sheets. "Prehistoric Agricultural Systems in El Salvador." In *Maya Subsistence*, ed. Kent Flannery, pp. 99-118. New York: Academic Press.

1984 Payson Sheets. "The Prehistory of El Salvador: An Interpretive Summary." In *The Archaeology of Lower Central America*, eds. F. Lange and D. Stone, pp. 85-112. Albuquerque: University of New Mexico Press.

1983 Payson Sheets. "Chipped Stone from the Zapotitan Valley." In *Archeology and Volcanism in Central America*, ed. P. Sheets, pp. 195-223. Austin: University of Texas Press.

1987 Payson Sheets. "Possible Repercussions in Western Honduras of the Third-Century Eruption of Ilopango Volcano." In *The Periphery of the Southeastern Classic Maya Realm*, ed. G. Pahl, pp. 42-52. Los Angeles: UCLA Latin American Center Publications.

1992 Payson Sheets. "The Pervasive Pejorative in Intermediate Area Studies," In *Wealth and Hierarchies in the Intermediate Area*, ed. F. Lange, pp. 15-41.

Washington DC: Dumbarton Oaks Research Library and Collections, Trustees of Harvard University.

1998 Payson Sheets. "Apocalypse Then: Social Science Approaches to Volcanism, People, and Cultures in the Zapotitan Valley, El Salvador." In *Natural Hazards in El Salvador*, ed. William Rose, pp. 109-120. Geological Society of America, Special Paper 375.

1999 Payson Sheets. "The Effects of Explosive Volcanism on Ancient Egalitarian, Ranked, and Stratified Societies in Middle America." In *The Angry Earth: Disaster in Anthropological Perspective*, eds. A. Oliver-Smith and S. Hoffman, pp. 36-58. New York: Routledge.

2000 Payson Sheets. "Multidisciplinary Research and Conservation At the Ceren site, El Salvador." In *L'eruzione Vesuviana Delle Pomici di Avellino d la Vacies de Palma Campania*, ed. C. Livadie, pp. 391-405. Rome: National Institute for Cultural Preservation.

2001 Payson Sheets. "The Effects of Explosive Volcanism on Simple to Complex Societies in Ancient Middle America." In *Interhemispheric Climate Linkeages*, ed. by V. Markgraf, pp. 73-86. San Diego: Academic Press.

2003 Payson Sheets. "Warfare in Ancient Mesoamerica," In *Ancient Mesoamerican Warfare*, ed, K. Brown, pp. 287-302. Walnut Creek CA: Altamira Press.

2003 Payson Sheets. "The Behavioral Model in Maya Core-Blade Technology," In *Mesoamerican Lithic Technology*, ed. K Hirth, pp. 10-14. Salt Lake City: University of Utah Press.

2006 Payson Sheets. "The Ceren Site, El Salvador; Ground-penetrating Radar." In *Remote Sensing of Human Settlements, Manual of Remote Sensing, Third Edition, Volume 5*, eds. Merrill Ridd and James Hipple, pp. 473-475. Bethesda, MD: American Society for Photogrammetry and Remote Sensing.

2006 Payson Sheets. "Aerial and Ground-based Remote Sensing in Central America: The Arenal Area, Costa Rica." In *Remote Sensing of Human Settlements, Manual of Remote Sensing, Third Edition, Volume 5*, eds. Merrill Ridd and James Hipple, pp. 469-473. Bethesda, MD: American Society for Photogrammetry and Remote Sensing.

2009 Payson Sheets "Who were those Classic Period Immigrants into the Zapotitan Valley, El Salvador?" In *The Chorti Maya Area, Past and Present*. Ed. By Brent Metz et al. University Press of Florida, Gainesville.

2009 Payson Sheets "When the construction of meaning preceded the meaning of construction: from footpaths to monumental entrances in Ancient Costa Rica." In *Landscapes of Movement*, Ed. By James Snead et al. Univ. of PA Museum, Philadelphia.

Scholarly book chapters, co-authored

1979 Payson Sheets and Donald K. Grayson. "Introduction." In *Volcanic Activity and Human Ecology*, eds. P. Sheets and D. Grayson, pp. 1-8. New York: Academic Press.

1979 Donald K. Grayson and Payson Sheets. "Volcanic Disasters and the Archaeological Record." In *Volcanic Activity and Human Ecology*, eds. P. Sheets and D. Grayson, pp. 623-632. New York: Academic Press.

1979 Payson Sheets and S. Greiser. "Raw Material as a Functional Variable." In *Lithic Use-Wear Analysis*, ed. Brian Hayden, pp. 289-96. New York: Academic Press.

1980 Olga F. Linares and Payson Sheets. "Highland Agricultural Villages in the Volcan Baru Region." In *Adaptive Radiations in Prehistoric Panama*, eds. O. Linares and A. Ranere, pp. 44-55. Peabody Museum Monographs #5. Cambridge: Harvard University.

1980 Payson Sheets, E. Rosenthal, and A. Ranere. "Stone Tools from Volcan Baru." In *Adaptive Radiations in Prehistoric Panama*, eds. O. Linares and A. Ranere, pp. 404-428. Peabody Museum Monographs #5. Cambridge: Harvard University.

1991 Payson Sheets and Tom Sever. "Prehistoric Footpaths in Costa Rica: Transportation and Communication in a Tropical Rainforest," In *Ancient Road Networks and Settlement Hierarchies in the New World*, ed. C. Trombold, pp. 53-65. New York: Cambridge University Press.

1992 Payson Sheets, John Ladd, and David Bathgate. "Chipped Stone Artifacts." In *Artifacts from the Cenote of Sacrifice, Chichen Itza, Yucatan*, ed. C. Coggins, pp. 153-180. Cambridge: Peabody Museum, Harvard University.

2001 Payson Sheets and Linda Brown. "The Material Correlates of Village Ceremony: Two Ritual Structures at Ceren." In *Fleeting Identities: Perishable Material Culture in Archaeological Research*, ed. by P. Drooker, pp. 114-134. Paper #28. Carbondale: Southern Illinois University, Center for Archaeological Investigations.

2002 Linda Brown, Scott Simmons, and Payson Sheets. "Household Production

of Extra-household Ritual at the Ceren site." In *Domestic Ritual in Ancient Mesoamerica*, ed. P. Plunket, pp. 83-92. Los Angeles: Costen Institute of Archaeology, UCLA.

2007 Payson Sheets and Thomas Sever "Creating and Perpetuating Social Memory Across the Ancient Costa Rican Landscape" In *REMOTE SENSING IN ARCHAEOLOGY* Ed. by James Wiseman and Farouk El-Baz, Pp. 161-184. Springer, New York.

Other book chapters, authored

1978 Payson Sheets. "Excavations at Casa Blanca, Str. E3-6." In *The Prehistory of Chalchuapa, El Salvador*, ed. by R. J. Sharer, Vol. 1, pp. 100-108. Philadelphia: University of Pennsylvania Press.

1983 Payson Sheets. "Summary and Conclusions." In *Archeology and Volcanism in Central America*, ed. P. Sheets, pp. 275-293. Austin: University of Texas Press.

1983 Payson Sheets. "Introduction." In *Archeology and Volcanism in Central America*, ed. P. Sheets, pp. 1-13. Austin: University of Texas Press.

1986 Payson Sheets. "Natural Hazards, Natural Disasters, and Research in the Zapotitan Valley of El Salvador." In *The Southeast Maya Periphery*, eds. Pat Urban and Ed Shortman, pp. 224-238. Austin: University of Texas Press.

1998 Payson Sheets. "Educacion, Conservacion de Arquitectura y Artefactos, e Investigaciones Multidisciplinarias en Joya de Ceren, El Salvador." In *Criterios de Intervencion Arqueologica en Ciudades Mayas*, ed. J. A. Valdes, Guatemala City: Instituto de Antropologia e Historia de Guatemala. 10 pp.

2000 Payson Sheets. "The Southeast Frontiers of Mesoamerica," In *The Cambridge History of the Native Peoples of the Americas*, Vol. 2. Richard Adams and Murdo MacLeod eds, pp. 407-448. New York: Cambridge University Press.

Other book chapters, co-authored

2003 Brian McKee and Payson Sheets. "Volcanic Activity and Abandonment Processes," In *The Archaeology of Settlement Abandonment in Middle America*, ed. T. Inomata and R. Webb, pp. 61-76. Salt Lake City: University of Utah Press.

- 2005 Hector Neff and Payson Sheets. "Archaeological Applications of Tephra Analysis by LA ICP RM," In *Laser Ablation ICP MS in Archaeological Research*, Robert Speakman and Hector Neff eds., pp. 117-124. Albuquerque: University of New Mexico Press.

PEER-REVIEWED ARTICLES

Journal articles, authored

- 1971 Payson Sheets. "An Ancient Natural Disaster." *Expedition* 12 (1):25-31.
- 1973 Payson Sheets. "Edge Abrasion During Biface Manufacture." *American Antiquity* 38 (2):215-18.
- 1973 Payson Sheets. "The Pillage of Prehistory." *American Antiquity* 38 (3):317-20.
- 1973 Payson Sheets. "Un Modelo de Tecnologia Mesoamericana de la Obsidiana Basada en Desechos de un Taller Preclasico en El Salvador." *Estudios de Cultural Maya*, Vol. 9: 47-65. Reprinted in *America Indigena* 35 (4): 727-46 (1975), with minor modifications.
- 1975 Payson Sheets. "A Reassessment of the Precolumbian Obsidian Industry of El Chayal, Guatemala." *American Antiquity* 40: 98-103.
- 1975 Payson Sheets. "Behavioral Analysis of the Structure of a Prehistoric Mesoamerican Industry." *Current Anthropology* 16:369-391.
- 1977 Payson Sheets. "The Analysis of Chipped Stone Artifacts in Southern Mesoamerica: An Assessment." *Latin American Research Review* 12:139-158.
- 1979 Payson Sheets. "Excavating in a Central American Pompeii." *Early Man* Winter:11-14.
- 1979 Payson Sheets. "Maya Recovery from Volcanic Disasters: Ilopango and Ceren." *Archaeology* 32 (3): 32-42.
- 1980 Payson Sheets. "Zapotitan Valley Chipped Stone." *Lithic Technology* 9(1):11-12.
- 1981 Payson Sheets. "Volcanoes and the Maya." *Natural History* 90(8):32-41.
- 1982-1983 Payson Sheets. "Prospeccion Preliminar en la Costa Pacifica de Nicaragua." In *Prehistoric Settlement Patterns in Costa Rica*, eds.

- Frederick Lange and Lynn Norr, pp. 361-363. 14 (1- 2) of the *Journal of the Steward Anthropological Society*.
- 1982-1983 Payson Sheets. "Preliminary Reconnaissance of the Cuenca de Arenal (1981-1982)." In *Prehistoric Settlement Patterns in Costa Rica*, eds. Frederick Lange and Lynn Norr, pp. 157-159. 14 (1-2) of the *Journal of the Steward Anthropological Society*.
- 1988 Payson Sheets. "High-Tech Wizardry." *Archaeology* 41: 28-35.
- 1988 Payson Sheets. "Applied Archaeology." *High Plains Applied Anthropologist* 8 (2):44-46.
- 1990 "Household Archaeology at Ceren, El Salvador." Senior author, with 7 others. *Ancient Mesoamerica*, 1 (1): 81-90.
- 1990 Payson Sheets. "Recent Research on Obsidian in the Zapotitan Valley, El Salvador." *Serie Arqueologica, Instituto Nacional de Antropologia e Historia*. INAH, Mexico City. 6 pp.
- 1994 Payson Sheets. "Tropical Time Capsule." *Archaeology* 47(4):30-33
- 1994 Payson Sheets. "Percepcion Remota y Exploraciones Geofisicas Aplicadas a la Arqueologia en Areas Volcanicas Activas de Costa Rica y El Salvador." *Vinculos (Revista de Antropologia del Museo Nacional de Costa Rica)* 18 & 19: 31-55.
- 1997 Payson Sheets. "Uncommonly Good Food Among Commoners." *Expedition* 45(2): 17- 21.
- 1998 Payson Sheets. "Place and Time in Activity Area Analysis: A Study of Elevated Contexts Used for Artifact Curation at the Ceren site, El Salvador." *Revista Española de Antropologia Americana* Vol. 28: 63-98.
- 2000 Payson Sheets. "Distinguishing Domestic from Ceremonial Structures in Southern Mesoamerica." *Mayab* 13:11-21.
- 2000 Payson Sheets. "Provisioning the Ceren Household." *Ancient Mesoamerica* 11 (2): 217-230.
- 2000 Payson Sheets. "Mesoamerican Households Viewed From Rapidly Abandoned Sites." *Mayab* 13: 5-10.
- 2002 Payson Sheets. "Soil Chemical Analysis of Ancient Activities in Ceren, El Salvador." *Latin American Antiquity* 13 (3):331-342.

- 2003 Payson Sheets. "Introduction." *Vinculos* (Revista de Antropologia del Museo Nacional de Costa Rica) 28 (1-2):1-8.
- 2003 Payson Sheets. "Lithic Artifacts, Proyecto Prehistorico Arenal, 2002-03." *Vinculos* (Revista de Antropologia del Museo Nacional de Costa Rica) 28 (1-2): 107-120.
- 2003 Payson Sheets. "Summary and Conclusions: Proyecto Prehistorico Arenal." *Vinculos* (Revista de Antropologia del Museo Nacional de Costa Rica) 28(1-2): 175- 188.
- 2011 "Manioc cultivation at Ceren, El Salvador" *ANCIENT MESOAMERICA* 22: 1-11.
- 2011 "Resumen de las investigaciones geofisicas e arqueologicas al sur de Joya de Ceren, 2007." *LA UNIVERSIDAD* 14:207-214. Universidad de El Salvador, San Salvador.
- 2012 "Ancient Manioc Agriculture South of the Ceren Village, El Salvador. With David Lentz, Dolores Piperno, John Jones, Chris Dixon, George Maloof, and Angela Hood. *Latin American Antiquity* 23: 259-281.
- 2012 "Pilgrimages and Persistent Social Memory in spite of Volcanic Disasters in the Arenal Area, Costa Rica. *ANCIENT MESOAMERICA* 22: 425-435.

Journal articles, co-authored

- 1972 Payson Sheets and Guy Muto. "Pressure Blades and Total Cutting Edge: An Experiment in Lithic Technology." *Science* 175: 632- 634.
- 1975 George Young and Payson Sheets. "A Test of Village Socioeconomic Ranking Using Lithic Debitage." *Newsletter of Lithic Technology* IV:3:31-38.
- 1975 Olga Linares, Payson Sheets, and E. J. Rosenthal. "Prehispanic Agriculture in Tropical Highlands." *Science* 187: 137-145.
- 1983 Fred Stross, Payson Sheets, Frank Asaro, and Helen Michel. "Precise Characterization of Guatemalan Obsidian Sources, and Sourcing Obsidian Artifacts from Quirigua." *American Antiquity* 48 (2):323-346.
- 1985 Payson Sheets, W. Loker, H. Spetzler, and R. Ware. "Geophysical Exploration for Ancient Maya Housing at Ceren, El Salvador." *National Geographic Society Research Reports* Vol. 20: 645-656.
- 1989 Bob Owen and Payson Sheets. "The Potential of Holography and Optical Contouring for Archaeometry." *Archaeometry* 31(1):13-25.

- 1990 Payson Sheets, Kenneth Hirth, Fred Lange, Fred Stross, Frank Asaro, and Helen Michel. Obsidian Sources and Elemental Analyses of Artifacts in Southern Mesoamerica and the Northern Intermediate Area. Senior author, with 5 other scholars. *American Antiquity* 55:144-158.
- 1997 David Webster, Nancy Gonlin, and Payson Sheets. "Copan and Ceren: Two Perspectives on Ancient Mesoamerican Households." *Ancient Mesoamerica* 8: 43-61.
- 2001 Robert Dull, John Southon, and Payson Sheets. "Volcanism, Ecology, and Culture: A reassessment of the Volcan Ilopango TBJ eruption in the Southern Maya Realm." *Latin American Antiquity* 12 (1): 25-44.
- 2003 Tom Sever, Payson Sheets, and Dan Irwin. "Satellite and Airborne Remote Sensing Analysis for the Detection of Ancient Footpaths in Costa Rica." *Vinculos (Revista de Antropologia del Museo Nacional de Costa Rica)* Vol. 28 (1-2): 9-18.
- 2005 Peter Mehringer, Andrei Sarna, Lance Wollwage, and Payson Sheets. "Age and Extent of the Ilopango TBJ Tephra Inferred from a Holocene Chronostratigraphic Reference Section, Lago de Yojoa, Honduras." *Quaternary Research* 63: 199-205.
- 2007 Payson Sheets, Anne Sheehan, Christine Dixon, Joya Tetreault, and Errin Weller "En Busqueda del Limite Occidental del Sitio Arqueologico Joya de Ceren" *EL SALVADOR INVESTIGA* 2:4:31-38.
- 2009 Shelley Waschman, Richard Dunn, John Hale, Robert Hohlfelder, Larry Conyers, Eileen Ernenwein, Payson Sheets, Maria Pienheiro, Filipe Castro, and Dan Davis. "The Paleo-environmental context of three possible Phoenician anchorages in Portugal." *The International Journal of Nautical Archaeology*, vol. 10. Pp. 1-33.

Journal special issue editor

- 2003 Payson Sheets, ed. *Vinculos (Revista de Antropologia del Museo Nacional de Costa Rica)* Vol. 28, nos. 1-2. Special issue, peer reviewed. Fifteen articles, 188 pp.

Encyclopedia and reference articles, authored

- 1991 Payson Sheets. "Remote Sensing in Archaeology." In *Encyclopedia*

- Britannica*, ed. K. Nakamura. New York: Simon and Schuster. 2pp.
- 1991 Payson Sheets. "Ceren." In *Encyclopedia of Latin American History*. New York: Macmillan Press. 1p.
- 1996 Payson Sheets. "Ceren." In *The Oxford Companion to Archaeology*, ed. Brian Fagan. New York: Oxford University Press. 1p.
- 2001 Payson Sheets. "Ceren." In *Archaeology of Ancient Mexico and Central America*, eds. Susan Evans and David Webster, pp. 110-112. Garland: New York.

PEER-REVIEWED ELECTRONIC MEDIA

Electronic publications: CD-ROM, DVD

- 1995-Present. Ceren website: <http://ceren.colorado.edu> Interactive website with guided slide tours, building reconstructions with artifacts, and text of all preliminary reports, all with internal search engine. Collaboration with University of Colorado architecture students and professors, 1995-99. Modified for outreach to K-12 students and teachers.
- 2002 Jen Lewin, Mark Ehrhardt, Mark Gross, and Payson Sheets. *An Interactive Guide to Ancient Ceren, Before the Volcano Erupted*. Austin: University of Texas Press. CD-ROM
- 2006 Payson Sheets. "The Ceren site in Central America." Abstract for Case Study Forum, for Anthropology Resource Center, ed. Jessica Jang. Belmont, CA: Thomson Publishing, interactive online website. 3pp.

Contract reports and white papers, authored

1972-1975 Payson Sheets. Ten archaeological surveys organized, completed final manuscripts submitted for Environmental Impact Reports, central California region.

"Preliminary Archaeological Survey of the Horsethief Timber Sale, Sierra National Forest." U.S. Forest Service, September 1972.

"Archaeological Reconnaissance of the Van Vleet Land Exchange, Sierra National Forest." U.S. Forest Service, November 1972.

"An Archaeological Survey of the Badger Flat Timber

Sale, Sierra National Forest." U.S. Forest Service, June 1973.

"The Archaeological Resources of the San Joaquin Estates." Boyle Engineering, May 1973.

"An Archaeological Survey of the Kings River Near Laton, California." Corps of Engineers, Sacramento District, August 1973.

"Archaeological Survey of the Quail Area, Sierra National Forest." U.S. Forest Service, August 1973.

"An Archaeological Survey of Selected Localities, Bass Lake, California." For PG&E-U.S. Forest Service Land Exchange, November 1973.

"An Archaeological Reconnaissance of the Coalinga Area." Corps of Engineers, Sacramento District, November 1973, with Carl W. Ritchie.

"A Survey of the Archaeological Resources of the Mendota Airport Area." Corps of Engineers. April 1974.

"An Archaeological Survey of the Sweetwater Region, Sierra National Forest, California." U.S. Forest Service, June 1974.

ARTICLES

Journal articles, authored

1972 Payson Sheets. "A Model of Mesoamerican Obsidian Technology Based On Workshop Debris in El Salvador." *Ceramica de Cultura Maya* 8:17-33.

1973 Payson Sheets. "An Archaeology Survey of the Badger Flat Timber Sale, Sierra National Forest." *Archives of California Archaeology*, No. 47, San Francisco State University. 11 pp.

1973 Payson Sheets. "An Archaeological Survey of the Quail Timber Sale, Sierra National Forest." *Archives of California Archaeology*, No. 54, San Francisco State University. 12 pp.

- 1975 Payson Sheets. "A Study of a Few South Guatemalan Obsidian Artifacts." *Museum Briefs*, Museum of Anthropology, University of Missouri 19:17-46.
- 1975 Payson Sheets. "The Obsidian from the Terzuola Site, Guatemala." *Museum Briefs*, Museum of Anthropology, University of Missouri 17:7.
- 1976 Payson Sheets. "The Pillage of Prehistory," an *American Antiquity* article reprinted, with testimony, in *Written Comments on H.R. 14171*, U.S. House of Representatives, Committee on Ways and Means. U.S. Government Printing Office, Washington, D.C.
- 1976 Payson Sheets. "The Terminal Preclassic Lithic Industry of the Southeastern Maya Highlands: A component of the Protoclassic Intrusions in the Lowlands?" In *Proceedings of the Conference on Maya Lithics and Production Processes*, ed. T. Hester, pp. 55-69, Special Report, #4, San Antonio: University of Texas.
- 1976 Payson Sheets. "Islands of Knowledge Amid Seas of Ignorance in the Maya Area." In *Proceedings of the Conference on Maya Lithics and Production Processes*, ed. T. Hester, pp. 1-9, Special Report, #4, San Antonio: University of Texas.
- 1978 Payson Sheets. "From Craftsman to Cog: Quantitative Views of Mesoamerican Lithic Technology." In *Papers on the Economy and Architecture of the Ancient Maya*, ed. Ray Sidrys, pp. 40-71, Monograph VIII, Los Angeles: Institute of Archaeology, University of California.
- 1978 Payson Sheets. Critique of L. Johnson's article "Flint-knapping Experimentation." *Current Anthropology* 19(2):365-366.
- 1979 Payson Sheets. "Preliminary Results of Research in the Zapotitan Basin, El Salvador." *Mexicon* 1 (2): 15-17.
- 1979 Payson Sheets "Comments on Styles." *Current Anthropology* 20(1):16.
- 1979 Payson Sheets. "Posibles Repercusiones en el Occidente de Honduras a Causa de la Erupcion del Volcan Ilopango en el Siglo Tercero d.c." *Yaxkin* III(1):47-68.
- 1980 Payson Sheets. "Archeological Studies of Disaster." Working Paper #38, 35 pp. Boulder: Institute of Behavioral Science, Natural Hazards Research and Information Center.
- 1981 Payson Sheets. Comment on Fox: "Late Postclassic Frontier of Mesoamerica." *Current Anthropology* 22(4):339.

- 1981 Payson Sheets. "Natural Disasters in Prehistory." *Research Summaries N.R. 2, Proceedings of the Conference on Natural Hazards*. Natural Hazards Research and Information Center, Boulder. 3pp.
- 1982 Payson Sheets. "The Utilization of Natural Hazard Research." *Session Summary CS-34, Proceedings of the Natural Hazards Workshop, July 1982*. Natural Hazards Research and Information Center, Boulder. 2 pp.
- 1982 Payson Sheets. "Geophysical Survey at Ceren, El Salvador." *Society for Archaeological Sciences Newsletter* 6:11.
- 1982 Payson Sheets. Comment on Yesner article: "Marine Resources," *Current Anthropology* 23:709.
- 1983 Payson Sheets. *Handbook for SAA Annual Meeting Chairs*, Society for American Archaeology, Washington, D.C. 40 pp.
- 1983 Payson Sheets. "Guatemalan Obsidian: A Preliminary Study of Sources, and Quirigua Artifacts." *Quirigua Reports*, Vol. II, ed. by R. Sharer, pp. 87-101. Philadelphia: University of Pennsylvania Museum.
- 1986 Payson Sheets. "Investigaciones Arqueologicas en la Cordillera de Tilaran, Costa Rica, 1984." Introduccion y Presentacion. *Vinculos*, 10 (1):3-5, 7-9.
- 1986 Payson Sheets. "The Proyecto Prehistorico Arenal: An Introduction." *Vinculos* 10 (1):17-29.
- 1987 Payson Sheets. "Dawn of a New Stone Age in Eye Surgery." *Archaeology: Discovering Our Past*, by R. Sharer and W. Ashmore, pp. 230-231. Mayfield: Palo Alto.
- 1987 Payson Sheets. "Geophysical Exploration for Ancient Maya Housing at Ceren, El Salvador." *Remote Sensing Newsletter* 1 (2):4-7.
- 1990 Payson Sheets. "Un Nuevo Codice Maya" and "Mayan Secrets Come to Light." *Americas* 42:1:2. The first is the Spanish version, the second is the English version of a brief article on Ceren for more general audiences.
- 1991 Payson Sheets. "Flaked Lithics from the Cenote of Sacrifice, Chichen Itza, Yucatan." In *Maya Stone Tools: Selected Papers from the Second Maya Lithic Conference*, eds. Tom Hester and Harry Safer, pp. 163-187. Monographs in World Archaeology #1. Madison, WI: Prehistory Press.
- 1991 Payson Sheets. "Very-to Barely Remote Sensing of Prehistoric

- Features under Tephra in Central America." In *Applications of Space Age Technology in Anthropology*, eds. Clifford Behrens and Tom Sever, pp. 167-179. Stennis Space Center: NASA.
- 1991 Payson Sheets. "Ceren Update." *Rocky Mountain Institute for Precolumbian Studies Newsletter* Sept: 5-6.
- 1991 Payson Sheets. "Ilopango." In *Mountains of Fire: The Nature of Volcanoes*, R.& B. Decker eds., pp. 124-127. New York: Cambridge University Press.
- 1993 Payson Sheets. "Remote Sensing and Geophysical Explorations Applied to Archaeology in Volcanically Active Areas of Costa Rica and El Salvador." *Proceedings, Guiniquil Conference, Costa Rica*. May. 31 pp.
- 1994 Payson Sheets. "El Salvador's Buried Roots." *New Scientist* 141: 30-33.
- 1994 Payson Sheets. "El Que Salvo a Joya de Ceren." *Gente, Impresora Centroamericana*, San Salvador. 6pp.
- 1998 Payson Sheets. "Ashen Riches of a Buried Village." *Americas* 50: 38-45.
- 1998 Payson Sheets. "Tesoros de la Vida Bajo las Cenizas." *Americas* 50:45-55 (Spanish version of above).
- 1999 Payson Sheets. "Digging up the Past: Tropical Time Capsule" in *Calliope: Exploring World History* Feb: 34-38.
- 2003 Payson Sheets. "Earth Imaging Transforms Archaeology in Costa Rica." *Space Imaging* 18:20-21.

Journal articles, co-authored

- 1967 Payson Sheets and Bruce A. Anderson. "Preliminary Excavation Report of an Anasazi Pithouse and Kiva." Abstract of Paper. *Journal of the Colorado-Wyoming Academy of Science* 5: 8.
- 1968 Payson Sheets and Terje G. Birkedal. "Site 1107, A Small Pueblo II Unit on Wetherill Mesa." *University of Colorado Studies, Series in Anthropology* 15:89-94.
- 1980 Payson Sheets and Joseph Lischka. Comment on Yesner: "Maritime Hunter-Gatherers." *Current Anthropology* 21(6):739-40.

- 1981 F. Stross, Payson Sheets, F. Asaro, and H. Michel. "Precise Characterization of Guatemalan Obsidian Sources, and Sourcing Obsidian Artifacts from Quirigua." *Lawrence Berkeley Laboratory (U.S. Berkeley)*, Pub. 12252. 31 pp.
- 1986 J. Bradley, J. Hoopes, and Payson Sheets. "Lake Site Testing Program," *Vinculos* 10:1:75-92.
- 2006 Payson Sheets and Tom Sever "3-D Visualization of Ancient Processional Landscapes in Costa Rica." In *From Space to Place: Second conference on Remote Sensing in Archaeology*, eds. Stefano Campana and Maurizio Forte, pp. 415-420. Oxford: BAR International Series 1568. Abstract pp. lxiv-lxv.

REPORTS

Unpublished research reports, authored

- 1969 Payson Sheets. The Archaeology of the Ely Caves, Dinosaur National Monument. U.S. National Park Service: U.S. Government Clearinghouse for Scientific and Technical Papers. 85 pp. (Originally submitted as MA thesis 1969, University of Colorado, Boulder.)
- 1978 Payson Sheets. "Introduction." In *Research of the Protohistoric Project in the Zapotitan Basin, El Salvador: A Preliminary Report of the 1978 Season*, ed. Payson Sheets. MS, Department of Anthropology, University of Colorado. Submitted as a report to the National Science Foundation.
- 1978 Payson Sheets. "Chipped Stone Artifacts from the Zapotitan Basin." In *Research of the Protohistoric Project in the Zapotitan Basin, El Salvador: A Preliminary Report of the 1978 Season*, ed. Payson Sheets, pp. 83-89. MS, Department of Anthropology, University of Colorado. Submitted as a report to the National Science Foundation.

Unpublished research reports, co-authored

- 1989 Payson Sheets and Brian R. McKee, eds. Archaeological Investigations at the Ceren Site, El Salvador: A Preliminary Report. Sixteen chapters. Xerox.
1992. Payson Sheets and Karen Kievit, eds. Research at the Ceren Site, El Salvador. Fifteen chapters. Photo-offset. 120 pp.

REVIEWS

Book reviews

- 1975 Payson Sheets. Review of *Precolumbian Man Finds Central America: The Archaeological Bridge*, by Doris Stone. American Anthropologist 77:132-4.
- 1975 Payson Sheets. Review of *Obsidian Point Making*. American Anthropologist 77:916-17.
- 1976 Payson Sheets. Review of *The Study of Prehistoric Change*, by Fred Plog. Southwestern Lore 42(1):63-64.
- 1976 Payson Sheets. Review of *Ancient Civilization and Trade*, eds. J. Sabloff and C. Lamberg-Karlovsky. Southwestern Lore 42(1):62-63.
- 1979 Payson Sheets. Review of *Studies of Coastal Yucatan Archaeology*, by Eaton. Hispanic American Historical Review May: 78-81.
- 1980 Payson Sheets. Review of *Social Process in Maya Prehistory*, ed. Norman Hammond. American Antiquity 45(3):633-5.
- 1980 Payson Sheets. Review of *Human Skeletal Remains*, by D. Ubelaker. Southwestern Lore 46(3):32.
- 1981 Payson Sheets. Review of *Excavation at Altun Ha*, by David Pendergast. American Antiquity 46:233-4.
- 1981 Payson Sheets. Review of *Stone Tools as Cultural Markers*, by R. Wright. Southwestern Lore 47(1):28.
- 1982 Payson Sheets. Review of *A Complete Manual for Field Archaeology*, by M. Joukowsky. Southwestern Lore 48(1):22.
- 1983 Payson Sheets. Review of *Ancient Maya Civilization*, by N. Hammond. Archaeology 36(1):71-5.
- 1983 Payson Sheets. Review of *Prehistoric Settlement Patterns and Civilization in the Ancient Americas*, by E. Vogt, R. Leventhal, and A. Kolata. Southwestern Lore 49(4):26-27.
- 1983 Payson Sheets. Review of *A Colorado History*, by C. Ubbelhode. Southwestern Lore 49(1):36.
- 1983 Payson Sheets. Review of *Indians Before Columbus*, by P. Martin. Southwestern Lore 49(1):36.

- 1983 Payson Sheets. Review of *Maya Lords of the Jungle*. American Anthropologist 85:235-6.
- 1983 Payson Sheets. Review of *Handbook of Soil Resistivity Surveying*, by C. Carr. *American Antiquity* 48(3):660.
- 1984 Payson Sheets. Review of *The 1983 South American Handbook*. Southwestern Lore 50(1):22.
- 1984 Payson Sheets. Review of *Life of Tom Horn*, by Tom Horn. Southwestern Lore 50(1):27.
- 1984 Payson Sheets. Review of *The Maya Book of the Dead: The Ceramic Codex*, by F. Robicsek. Southwestern Lore 50(2):36.
- 1985 Payson Sheets. Review of *The Archaeology of Death*, eds. Robert Chapman, Ian Kinnes, and Klavs Randsborg. Southwestern Lore 52:36-37.
- 1985 Payson Sheets. Review of *Trade and Exchange in Early Mesoamerica*, ed. K. Hirth. *Archaeology* 38(6):71.
- 1986 Payson Sheets. Review of *The Archaeology of California, and California Archaeology*, by J. and K. Chartkoff. Southwestern Lore 52:28-9.
- 1987 Payson Sheets. Review of *Use Wear Analysis of Flaked Stone Tools*, by P. Vaughn. Southwestern Lore 52(3):31-32.
- 1987 Payson Sheets. Review of *Lithic Illustration: Drawing Flaked Stone Artifacts for Publication*, by L. Addington. Southwestern Lore 53(3):32-33.
- 1987 Payson Sheets. Review of *American Archaeology Past and Future: A Celebration of the Society for American Archaeology 1935-1985*, eds. David Mettler, Don Fowler, and Jeremy Sabloff. Southwestern Lore 32(2):35-36.
- 1987 Payson Sheets. Review of *Geophysics*, ed. J. Wynn. Southwestern Lore 53(1):33.
- 1987 Payson Sheets. Review of *Archaeology of Frontiers and Boundaries*, eds. S. Green and S. Perlman. Southwestern Lore 53(1):35.
- 1987 Payson Sheets. Review of *The Social Science Encyclopedia*, eds. A. and J. Kuper. Southwestern Lore 53(1):36-7.

- 1988 Payson Sheets. Review of *Lithic Studies of Highland Maya*, ed. B. Hayden. Southwestern Lore 54: 34-35.
- 1988 Payson Sheets. Review of *Stone Tool Analyses*, by J. Plew. Southwestern Lore 54(1):31.
- 1990 Payson Sheets. Review of *Fracture Mechanics of Rock*, ed. by Barry Atkinson. Southwestern Lore 56: 35.
- 1990 Payson Sheets. Review of *Maya Postclassic State Formation*, by John Fox, Southwestern Lore 56: 34-5.
- 1990 Payson Sheets. Review of *Good Farmers: Traditional Resource Management in Mexico and Central America*, by Gene Wilkin. Southwestern Lore 56: 33.
- 1990 Payson Sheets. Review of *Hammond Past Worlds: The Times Atlas of Archaeology*, by Chris Scarre. Southwestern Lore 56: 32-33.
- 1990 Payson Sheets. Review of *Indians of Middle America: An Introduction to the Ethnology of Mexico*, by Robert Taylor. Southwestern Lore Winter: 46.
- 1990 Payson Sheets. Review of *Unfinished Conversations, Mayas and Foreigners Between Two Worlds*, by Paul Sullivan, Knopf. Southwestern Lore Winter: 40-41.
- 1990 Payson Sheets. Review of *Time, Energy, and Stone Tools*, by Robin Torrence. Journal of Field Archaeology, 17:501-2.
- 1991 Payson Sheets. Review of *The Aztec Empire: the Toltec Resurgence*, by Nigel Davis. Southwestern Lore 57: 28.
- 1992 Payson Sheets. Review of *Mesoamerica's Ancient Cities*, by W. Ferguson and A. Rohn. Southwestern Lore 57(4)34.
- 1992 Payson Sheets. Review of *Archaeological Prospecting and Remote Sensing*, by I. Scollar. Southwestern Lore 58:1:30.
- 1992 Payson Sheets. Review of *Mesoamerican Elites: An Archaeological Assessment*, eds. D. and A. Chase. Southwestern Lore 58:4.
- 1994 Payson Sheets. Review of *The Gods and Symbols of Ancient Mexico and the Maya: An Illustrated Dictionary of Mesoamerican Religion*. Mary Miller and Karl Taube. Southwestern Lore 59(4)

- 1996 Payson Sheets. Review of *Mountains of Fire, Lands that Shake: Earthquakes and Volcanic Eruptions in the Historic Past of Central America, 1509-1899*, by Lawrence Feldman. Mesoamerica Vol. 30: 428-9.
- 1999 Payson Sheets. Review of *Actividad Volcanica y Pueblos Precolumbinos en el Ecuador*, ed. Patricia Mothes. Latin American Antiquity 10: 202-03.
- 2003 Payson Sheets. Review of *Pathways to Prismatic Blades*, ed. Ken Hirth. Lithic Technology 28:1:69-70.

Film & video reviews

- 1980 Payson Sheets. Review of film *The Earliest Americans*. Archaeology 33(3):63.

GRANTS AND CONTRACTS (chronological, with details & funding level)

External research grants

- 1975 National Science Foundation (NSF). "Impact of the Ilopango eruption on the Protoclassic Maya in El Salvador." \$10,000
- 1977-1978 NSF. "Recovery from the Ilopango Eruption in El Salvador." \$70,000.
- 1979 National Geographic Society. "Geophysical Survey of Ancient Maya Housing at Ceren." \$6000.
- 1979 American Association for the Advancement of Science (AAAS) 80. "Edges" (Comparison of steel and stone cutting edges by electron microscopy). \$2200.
- 1980 NSF. "Excavations at Ceren, El Salvador." 2-year grant. Declined because of civil war in El Salvador. \$112,000.
- 1983-1984 NSF. "Subsistence and Settlement in the Arenal Area, Costa Rica," \$75,837.
- 1983-1984 National Geographic Society. "Subsistence in the Arenal Area, Costa Rica." \$10,000
- 1984-1986 NASA. "Remote sensing in the Arenal Area, Costa Rica." 3-Year Collaborative Grant with Tom Sever, NASA (2nd Co-PI). \$130,000.

- 1985-1986 NSF. "Settlement and Subsistence in the Arenal Area, Costa Rica." With Tom Sever, NASA (2nd Co-PI). \$78,285.
- 1986-1987 NSF. "Remote Sensing in the Arenal Basin, Costa Rica." \$22,000.
- 1988-1989 NSF. "Remote Sensing and Field Verification in the Arenal Area, Costa Rica," With Tom Sever, NASA (2nd Co-PI). \$37,000.
- 1989-1990 NSF. "Catastrophic Burial and Household Archaeology, Ceren, El Salvador." \$90,000.
- 1990-1991 NSF. "Household Archaeology at Ceren, El Salvador." \$94,600.
- 1991 NASA. "Field Verification of Linear Anomalies, Arenal Area, Costa Rica." With Tom Sever, NASA (First Co-PI). \$6000.
- 1992 US Information Agency grant, Academic Specialist Program. "Ceren Advisory Board." \$6000.
- 1993-1994 NSF. "Household Ritual at the Ceren Site, El Salvador." \$77,645.
- 1993-1994 NSF Research Experience for Undergraduates award to support Susan Villalobos research at Ceren on medicinal plants: \$5000.
- 1996 Colorado Historical Society. "Photogrammetry of Anasazi Architecture." Project P.I., subcontract with Fenton/Kerr Engineering. \$98,542.
- 1997-1999 National Geographic Society. "Household Craft Specialization at Ceren." \$20,000.
- 1997-1999 National Geographic Society grant supplement to the above, for architectural conservation. \$4000.
- 1999 NSF Doctoral Dissertation Improvement grant, PI, with Linda Brown, \$10,472.
- 1999-2000 NSF. "Soil Chemical Analyses at Ceren, Piedras Negras, and Aguateca". Third CO-PI with Richard Terry and Takeshi Inomata. \$144,987.
- 2002-2004 NSF. "Remote Sensing, Footpaths, and Feasting in the Arenal Area of Costa Rica," \$103,497.
- 2002 NSF grant, Research Experience for Undergraduate award "Remote Sensing in Costa Rica" for Michelle Butler: \$2000.

2003 NASA. "Paleoclimate Variability and Human Response." With Tom Sever, NASA (Tom Sever was first Co-PI). \$24,000.

2007 Principal Investigator, National Science Foundation, Incremental Award, \$2,379, "Remote Sensing and the Late Classic Maya Utilization of Bajos" Dissertation Grant.

2007 Olympus Corporation: Proposal awarded for Fiber Optic Proctoscope and Light Source to Explore and Record Hollow Spaces of Ancient Manioc at Ceren. Donation In Kind, value \$35,000.

2012 National Science Foundation grant "Non-elite Political Economy, Agriculture, and a Sacbe at Cerén, El Salvador" \$113,492, awarded December, two-year grant.

Internal research grants

1966-1968 Ford Foundation Masters Degree Program, University of Colorado, 1966-68. \$5000.

1966-1967 NSF. Undergraduate Traineeship in Archaeology, University of Colorado. \$4500.

1967 Earl Morris Award in Archaeology, University of Colorado, \$500.

1971 Pitzer College Faculty Research Grant. "Aboriginal Lithic Technology in the Vienna Dictionary, AD 1590, in the Austrian National Archives." \$590.

1973-1974 California State University, Fresno, Faculty Research Grant. "Aboriginal Trade and Technology in Obsidian, Central California." \$2295.

1975 University of Colorado at Boulder. Council on Research and Creative Work (CRCW). "Research on the Eruption of the Ilopango Volcano and the Protoclassic Maya." \$2500.

1977 University of Colorado CRCW. "Obsidian Trade and Technology at Quirigua, Guatemala." \$2500.

1981 University of Colorado, Institute of Behavioral Science. "Natural Disasters in Prehistory." \$2000.

1981 University of Colorado CRCW. "Preliminary Reconnaissance of the Arenal Area, Costa Rica." \$2500.

- 1982 NSF via University of Colorado Institute of Behavioral Science.
"Preliminary Survey, Tilaran Area, Costa Rica." \$2700.
- 1990 University of Colorado CRCW Grant-in-Aid. "Ceramic Replicas of Ceren Vessels." \$2000.
- 1993 NSF via University of Colorado Hazards Center. "Ethnobotanical Research." \$2270.
- 1996 University of Colorado CRCW. "Craft Specialization at Ceren." \$3800.
- 1997-1998 University of Colorado, Vice President for Academic Affairs and Research. "The Virtual Ceren Site." \$35,000.
- 1999 University of Colorado Teaching with Technology Initiative Grant.
"Computer-aided Teaching and Research." \$2000.
- 2006 University of Colorado CARTSS Grant. "Preliminary Research Project: connecting egalitarian Arenal societies with later chiefdoms in Costa Rica." \$1482.

SCHOLARLY CONFERENCES AND PRESENTATIONS

Papers presented at scholarly conferences since 2002

- 2002 "Tephra Analysis by Laser Ablation Inductively Coupled Plasma Mass Spectrometry" with Hector Neff. Society for American Archaeology
- 2002 "Estimating Maize Productivity at Ceren" with Michelle Woodward. SAA.
- 2002 "The sounds, forms, and colors of nonutilitarian obsidian artifacts in ancient Mesoamerica" solicited symposium presentation, SAA.
- 2003 "Entering Special Places: Egalitarian Paths and Monumental Features in Costa Rica" American Anthropological Association.
- 2002 "Sacred Sites or Sacred Landscapes in Ancient Costa Rica?" SAA
- 2003 "Transitions, Realizations, and challenges" Keynote address, High Plains Society for Applied Anthropology.
- 2004 "Geophysical Remote Sensing through Volcanic Ash at the Ceren Site,

El Salvador" presented at the International Conference on Remote Sensing Archaeology, Chinese Academy of Sciences, Beijing.

- 2005 "Ch'orti' Maya Southernmost Expansion, Classic Period." AAA.
- 2005 "Exploring the Meanings of Human Movement in the Ancient Costa Rican Landscape." SAA
- 2005 "Aspectos de Euupciones Volcanicas y Culturas Antiguas en Mexico y Centroamerica" Universidad de las Americas, Puebla, Mexico.
- 2006 "Quiens Eran las Personas que Fundaron Joya de Ceren, en el Valle de Zapotitan, El Salvador?" Ponencia, Conferencia Internacional de Antropologia, San Salvador.
- 2006 "Geophysical Exploration for the Western Boundary of the Ceren Site, El Salvador." SAA.
- 2007 "As the Tail Wags the Dog, So Might the Trail Resettle the Village." SAA
- 2007 "Archaeology of El Salvador: Past and Future Challenges." Second Author, with Bill Fowler. SAA.
- 2007 "Three-dimensional Visualization of the Ancient Processional Landscape, Arenal, Costa Rica." SAA.

TEACHING

UCB courses taught in the last five years

Anth 1140 THE MAYA
Anth 4180 CONTROVERSIES IN ARCHAEOLOGY
Anth 4240 GEOARCHAEOLOGY
Anth 7000 SEMINAR
Anth 4224 THE MAYA AND THEIR NEIGHBORS
Anth 4380 LITHIC ANALYSIS AND REPLICATION

PhD dissertations supervised, cumulative (year, student's name)

Mike Foster 1978 Cultural Resource Management, Tucson AZ
Tom Lennon 1981 President, WCRM, Colorado, NM, and Nevada.
Chris Zier 1981 President, Centennial Archaeology, Ft. Collins
David Bathgate 1984 Unknown
Bill Loker 1986 Dean, Arts & Sciences, Calif. St. Univ, Chico
Tom Sever 1990 Sr. Scientist, NASA Huntsville

Robert Owen 1993 University Center for Atmospheric Research, CO
Larry Conyers 1995 Assoc. Professor, Denver Univ.
Mark Chenault 1996 SouthWest Archaeological Associates
Scott Simmons 1996 Assoc. Professor, Univ of NC, Wilmington
Linda Brown 2002 Asst. Professor, Geo. Washington U, DC.
Michelle Woodward 2003 Sun Microsystems
Stacy Barber 2005 Asst. Professor, Central FL Univ.
Inga Calvin 2006 Lecturer, Anthropology, CU Boulder.

CAREER SERVICE (major offices, committees, & projects: cumulative)

Department of Anthropology

1974-1990 Chair, Anthropology Department Consolidation Committee (became Hale Renovation Committee). I was appointed to this by Chair Jack Kelso, assisted by various departmental faculty and staff.

1987-1990 Chair. Department of Anthropology.

College of Arts & Sciences

1982-1985 Acting Director, Environment and Behavior Program, Institute of Behavioral Science.

Boulder Campus

1982-Present Board of Directors, National Hazards Research and Information Center.

Various Served terms in Vice Chancellor's Advisory Committee (VCAC) and the Committee for Research and Creative Work (CRCW). I chaired the latter, and instituted reforms in review of proposals.

University of Colorado System

2006-Present Trustee, and member of Board of Directors, University Press of Colorado.

Scholarly and Professional Societies

1982 Program Chair, Annual Meeting, Society for American Archaeology, Minneapolis, 1982. The Board of Directors listened to my account of how disorganized the annual meetings were, and asked me to

write a handbook for Meeting Program Chairs. That handbook is listed in unrefereed publications, 1982.

1979-82 Contributing Editor, Archaeology Division, American Anthropological Association.

1975-1988 Book Review Editor, Southwestern Lore, Colorado Archaeological Society.

1990-Present Director, Ceren Conservation Advisory Board, sponsored by US Information Agency, State Department.

2002 – Present Founding member and US Representative to International Organizing Committee, *Remote Sensing in Archaeology Conference*, held biannually. First was in Beijing, second was in Rome.

2004 – Present US Representative to United Nations Working Group “Remote Sensing for Conservation of World Heritage Sites” UNESCO.

2007-2010 Member, A.V. Kidder Award Committee, AAA-SAA.

2006-2009 Member, American Association for the Advancement of Science, Nominations Committee.