

## VITA

### Wm. LANE SHIELDS

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#### Education

1995 - 1998 University of Colorado at Boulder, M.A., Anthropology  
1983 University of Missouri-Columbia, B.A., Anthropology  
1974 - 1977 University of Missouri-Columbia  
1972 - 1974 Missouri Southern State College, Joplin

#### Professional Summary

My professional expertise is based on fieldwork and research conducted over more than two decades. These activities have dealt with five of the basic North American Prehistoric Cultural Areas: the Great Plains Area (all five Sub-areas), the Eastern Woodlands Area (Upper Mississippi Valley, Central Mississippi Valley, Ozark Highlands, Ohio Valley, Great Lakes and Southeastern Sub-areas), the (eastern) Great Basin Area, the Southwest Area (Anasazi Sub-area) and the Interior Plateau.

I have participated in a variety of surveys and site testing and excavations ranging in age from PaleoIndian through Historic Periods. My responsibilities as project director have included field and laboratory analysis, personnel administration, Native American consultations and other public relations. Document preparation included writing and production of numerous large and small reports, research designs, proposals, archaeological chapters in Environmental Impact Statements and 106 Compliance Cases.

#### Areas of Interest

Applications of Archaeological Method and Theory  
special interest in <sup>14</sup>C data presentation and manipulation and GIS  
Western and Southwestern Intermontane Archaic Period Traditions  
special interest in structures and high-altitude adaptations  
Dunal Geomorphology and Excavation Techniques  
Midwestern Mound Constructing Traditions

#### Professional Memberships

Association of Iowa Archaeologists  
Plains Anthropological Society  
Register of Professional Archaeologists  
West Branch Heritage Foundation

Colorado Council of Professional  
Archaeologists  
Society for American Archaeology

## Fieldwork and Research Experience

June 1998 - Present                      Project Archaeologist  
The University of Iowa, Office of State Archaeologist,  
Highway Archaeological Program

My current position involves independently directing archaeological investigations throughout the state under the mission guidance of the OSA. General responsibilities, detailed in a yearly University of Iowa report, involve a wide variety of tasks that must be performed in coordination with a large staff and our primary client, the Iowa DOT. Also see 'Busman Holidays' at end of this section.

May 1996 - September 1997 & August - December 1994      Field Director  
Centennial Archaeology, Inc.  
Fort Collins, Colorado

Two Colorado State Historical Society grants enabled the re-opening of the *Magic Mountain Site* near Golden (5JF223) as a field school. This site is best known as a Peabody Museum (Harvard University) excavation in 1959-1960 by Cynthia Irwin-Williams and Henry J. Irwin. During our investigations, a complex structure was located and 13 radiocarbon determinations were obtained. I also conducted and supervised various laboratory analyses as well writing portions of the final reports. I directed work for a mitigation project in Mesa, Montezuma and Montrose counties, CO and directed mitigative excavations for a Colorado DOT project in La Plata County.

July - September 1995                      Field Director  
Native Cultural Services, Boulder, Colorado &  
Paragon Consultants, Denver, Colorado

Survey and laboratory work for tracts of open space for Boulder County, CO.

May - July 1995 & May 1992 - July 1994      Project Director/Staff Archaeologist  
Metcalf Archaeological Consultants, Inc.  
Eagle, Colorado

Also see 'Busman Holidays' at end of this section.

1995 I directed/participated in survey projects in San Juan County UT and Carbon County WY.

1994 My primary responsibility during this period was as a principal author for the on-going *CIG Project*. I also directed/participated in survey and NRHP assessment projects in Eagle, Garfield, Grand, Gunnison, Las Animas, Rio Blanco, Routt and Weld counties, CO; Hutchinson and Moore counties, TX; Grand County, UT; Lincoln, Sweetwater and Uinta counties, WY.

1993 My primary responsibility during this period was for the *E-470 Highway Project* in Denver. The work included survey, testing and mitigation in Adams, Arapahoe and Denver counties. I also directed site mitigations for the on-going *CIG Project* and other projects in Moffat County as well as surveys in Mesa, Moffat, Morgan, Rio Blanco and San Miguel counties, CO; Grand County, UT; Sweetwater and Carbon counties, WY.

1992 My primary responsibility during this period was the *CIG Uinta Basin Lateral Project* located in northeastern UT, northwestern CO and southwestern WY. I directed the mitigative excavations at some of the more complex sites. This project almost doubled the number of known habitation structures in CO. I also directed surveys in Adams, Arapahoe, Denver, Eagle, Garfield, Moffat and Routt counties, CO and Grand County, UT. Testing was conducted in Adams, Arapahoe and Weld counties, CO and in Lincoln and Sweetwater counties, WY. Laboratory work included developing a major portion of an in-house lithic analyses document.

April 1991 - Project Director/Staff Archaeologist  
April 1992 Daggett & Chenault, Inc.  
Farmington, New Mexico

My primary responsibility during this period was Co-Director for the *Phillips 29-6 Project* located in northeastern Rio Arriba County. The Class III survey identified several Anasazi communities and documented an area of high site density. Extensive use of GPS system. I directed/participated in various Class III surveys, limited testing, construction monitors and post-construction inspections. Laboratory work during this period was primarily for the *29-6 Project* and included analysis and write-up.

May 1989 - Project Director/Staff Archaeologist  
March 1991 San Juan College Cultural Resources Management Program  
Farmington, New Mexico

My primary responsibility during this period was Director for the *Cedar Hill Project* in northwestern San Juan County. The project identified a major Anasazi community (Loma Enebro), documented an area of high site density that was declared an Area of Critical Environmental Concern and provided the basis for discussion of a variety of research topics which have regional implications. Various small projects in McKinley, Rio Arriba, San Juan and Sandoval counties were also conducted. I wrote an in-house lithics manual and took a class in GIS devoted to GRASS.

March 1988 - Crew Chief/Staff Archaeologist  
April 1989 John & Mavis Greer, Archaeological Consultants  
Casper, Wyoming

My primary responsibility during this period was Crew Chief for the multi-year *Bairoil Project*, located in Carbon, Fremont and Sweetwater counties. Fieldwork included Class III surveys, construction monitors and post-construction inspections in the 24 section Bairoil Archaeological District where hundreds of prehistoric sites have been recorded, including an unprecedented number of habitations. In addition to this project, I was responsible for small projects in Campbell, Carbon, Natrona and Sweetwater counties.

1983 - 1987 Senior Staff Archaeologist, Project/Field Director  
Western Cultural Resources Management, Inc. (WCRM)  
Boulder, Colorado

Also see '*Busman Holidays*' at end of this section.

Laboratory work during this period included analysis and write-up for various projects. Administrative duties included proposal writing, 106 Compliance and research designs, office management, project administration, client and regulatory contacts as well as responsibility for overall staff coordination.

1987 The *Kremmling Tap-Windy Gap Transmission Line Project*; included Class II (visual) and III survey, mitigative survey and site recording, several monitoring programs and testing of sites ranging in age from PaleoIndian to Protohistoric Periods in Grand County, CO. The *Moxa Arch/Opal Crossover Project*; a mitigative excavation of dunal sites in Lincoln County, WY. The *Lake Catamount Project*; included Class III survey, high-altitude Class II survey and testing of several sites in Routt and Grand counties, CO. The *Quail Mountain Project*; a Class III survey in Lake County, CO. The *Black Thunder Mine Project*; testing as well as mitigative survey, site recording, surface collection and excavations at an extensive stone circle site in Campbell County, WY. The *Craig-Bonanza Transmission Line Project*; involved in EIS and surveys (Class II Visual, Class III and Paleontological) in Moffat and Rio Blanco counties, CO and Uinta County, UT. Small surveys were also conducted in Lake and Jefferson counties, CO.

1986 The *Kremmling Tap-Windy Gap Transmission Line Project* initiated. Completed the *Blue River-Gore Pass Transmission Line Project* in Grand and Summit counties, CO. These adjacent projects passed through an area of extremely high site density (over 150 sites) and portions were in rugged, high-altitude mountains. Class II Visual and Class III surveys, testing and monitoring programs were conducted for the latter. Initiated the *Moxa Arch/Opal Crossover Project* which tested a dunal site and completed the Class III survey in Lincoln County, WY. Small surveys were conducted in Las Animas and La Plata counties and Pawnee National Grasslands, CO.

1986-1985 Winter laboratory work focused primarily on the *Exxon Shute Creek Project*. I was responsible for correlation of the geomorphology and stratigraphy throughout the project area. The most complex site contained over a dozen major occupations.

1985 Began *Blue River-Gore Pass Project*. Also directed small projects in Gilpin and Weld counties, CO and a survey and testing project in Lincoln County, WY. That project involved over 40 sites in the Opal Dune Field.

1984-1985 The *Exxon Shute Creek Project*: Field Director for the mitigative excavations of 20 sites located primarily in the Opal Dune Field (defined during this project) in Lincoln and Sublette counties, WY. A total of approximately 1700 sq m were excavated, including 100 to 400 sq m from five of the sites. Approximately a dozen surveys were also conducted in Lincoln, Sublette and Sweetwater counties, WY. Directly responsible for all aspects of field implementation of the Section 106 Compliance and Research Design as well as the daily organization and supervision of crews of up to 55. The project was concurrent to plant site construction and often required large scale, last second priority changes for the entire crew and all support equipment. The last several months of excavation were conducted under shelters and required the coordination of a huge support staff. Heavy equipment was utilized on many of the sites. A small pedestrian survey in Summit County, CO was also completed during this period.

1983 Initiated the *Shute Creek Project*. Large scale test excavations of numerous dunal sites. Heavy equipment was extensively utilized. Responsibilities and duties were similar to those described above with a crew of over 30. Also involved with a Class II survey in the Black Hills National Forest, Custer, Lawrence and Pennington counties, SD and Crook County, WY. Several small surveys were also conducted in Grand County, CO near the Continental Divide.

July 1983                      Surveyor and Principal Excavator  
University of Kansas, Lawrence  
Bill Lees, Project Director

*Lake Francis Case Reservoir Project, SD*. Difficult emergency excavations of several Great Plains Village burials. Also involved in pedestrian, shovel and boat surveys which located numerous paleontological specimens as well as archaeological sites.

October -                      Field Office Director  
December 1982              Environment Consultants, Inc. (ECI)  
Boulder, Colorado

I was promoted from the Kentucky branch office to establish this temporary position. Monitor and survey of numerous pipelines, primarily in Weld County,

CO. Responsibilities included client and regulatory contact and filing numerous Report of Findings statements.

September 1982     Consultant to Dr. Duffield  
University of Kentucky, Lexington

Requested to assist in the emergency excavation of a mastodon butchered at a kill site near Lexington. Responsible for field and laboratory cartography, excavation and graduate student instruction.

November 1981 -     Field and Laboratory Director, ECI  
September 1982     Chuck M. Niquette, Project and Office Director  
Lexington, Kentucky

The *Fort Leonard Wood Project* located in Pulaski and Phelps counties, MO. Over 100 sites were recorded during Class II and Class III surveys. Test excavations were conducted on 38 sites ranging in age from Dalton through Mississippian Periods. Locational situations included open rock cairn, rock shelter and cave sites. Duties included devising recording and testing procedures as well as organization and supervision of all phases of fieldwork. I established, organized and managed the laboratory, including analyses and report preparation. Specifically responsible for the analysis and write-up of the projectile point/knife typology.

October 1981         Consultant  
Gibbs and Hill, Inc. (Denver, Colorado)

Hired to direct a survey near Fredericktown, MO and compile the archaeological section for an EIS. Conducted shovel and metal detector surveys.

July - September     Staff Archaeologist/Crew Chief  
1981                     Metcalf-Zier Archaeologists, Inc.  
Eagle, Colorado

Several surveys were conducted in the Northwest Mountain and Plains Physiographic regions of CO and in the Northern Plains and Washakie Basin of WY. Fieldwork included sites ranging in age from PaleoIndian to Historical Periods. Also served as Crew Chief for the test excavations of numerous dunal sites in the Washakie Basin. Work included use of heavy equipment.

December 1980 -     Project and Field Director  
June 1981             Colorado Department of Highways (CDH)  
John D. Gooding, Director (Boulder, Colorado)

Primarily responsible for the direction of analysis and write-up of *5GF110/Sisyphus Shelter*. Also participated in several small surveys in the

Mountain and Plains physiographic regions of CO and was involved in office and laboratory management, direction and organization.

May - November 1980      Crew Chief, WCRM

The *Seneca II Coal Mine Project*. Test excavations of two montane sites: 5RT139, a very large Late Paleolndian Period camp and 5RT142, a small Late Paleolndian through Historical Period site with a complex reversed stratigraphic sequence. Several block surveys in Routt County, CO. Class II and high-altitude Class III surveys for the *AMAX Project* in Gunnison County, CO. Also conducted large block surveys in Sheridan County, WY, in the Absaroka Mountains in Stillwater County, MT and in Dawson and Richland counties, MT. Several small block and linear surveys in Sweetwater, Sublette, Lincoln and Uinta counties, WY. Numerous small surveys were also conducted in the Northwest, West Central, Mountain and Plains physiographic regions in CO. Various periods spent in laboratory to assist in analysis and write-up. Responsibilities included all phases of fieldwork, archival activities and assisting in proposal writing through final report production. Field and research activity included Paleolndian through Historical Period sites in CO, WY and MT (excavation and survey), OR and ID (*Pan-Alberta Pipeline Project* projectile point/knife analysis and mitigative excavation proposals) and NV (archival research).

November 1979 - May 1980      Project and Field Director, CDH

Directed the mitigative excavation of *Sisyphus Shelter*, a horizontally and vertically stratified rock shelter complex, supervising a crew of up to 22. Duties ranged from office and laboratory management, direction and organization to field evaluation and training of personnel. Also involved in several small testing projects in the West Central, Plains and Mountains physiographic regions of CO. Responsible for developing appropriate field forms, as well as several small project write-ups. Analysis included lithics, ceramics, perishable artifacts and paleontology. Also involved in extensive in-house publications, including special edition journal publications (writing, editing and layout).

August - November 1979      Field Director/Crew Chief, WCRM

Directed block survey in a high site density area of Gunnison County, CO, as part of *AMAX Project*. Participated in block surveys for three large coal lease and several smaller ancillary projects in Routt County, CO. Field and research activities involved sites ranging from Paleolndian to Historical Period in age. Smaller surveys were also conducted in Pawnee National Grasslands and several counties in the CO mountains.

March - June      Survey Leader/Crew Chief

& August 1979      Illinois State Museum Society  
T. L. Burge, Project Director (Springfield, Illinois)

Relocated and reevaluated poorly reported sites and completed survey for a project near Chicago. Test and mitigative excavations conducted at many of the sites. Responsibilities also included laboratory analysis and write-up.

July 1979            Field Director  
Illinois Conservation Department  
T. L. Burge, Project Director (Springfield, Illinois)

Research oriented survey of Hopewell Effigy Mound Complex sites and galena sources in Jo Davies County, IL. Responsibilities included modernization of old site forms, liaison with local informants and extensive archival research. Our report on this work was the basis of a publication.

August 1978 -      Crew Member/Crew Chief, CDH  
February 1979

Crew member on mitigative excavation of *5RT11 Project*. Crew Chief for numerous archaeological and several paleontological surveys and excavations (buried and surface sites and localities) as well as write-up. Test excavations were conducted at *5BA30/McEndree Ranch Project*. Involved in artifact analysis, archival research, curation and photography. Laboratory analysis encompassed all phases of artifact analysis (including lithics, ceramics and perishables of all sorts from five dry caves on the Uncompahgre Plateau). Responsibilities included writing and editing numerous in-house reports and proposals and correcting procedural errors on previous inadequate and incomplete surveys. Field and research activities involved Paleo-Indian through Historical (Hispanic and Anglo Period materials throughout CO.

May -                Crew Member  
June 1978          Archaeological Associates, Inc. (AAI) of Boulder, Colorado  
Barry L. Hibbets, Project Director

The *West Central CO Coal Leases Project*, a sophisticated Class II survey. The crews rotated all responsibilities and participated in all phases of fieldwork and in limited laboratory work. This survey was conducted in Delta, Garfield, Gunnison and Mesa counties. Several small Class III surveys were also conducted.

April 1978          Crew Member

University of Missouri-Columbia (UMC)  
Dr. R. L. Reeder, Project Director  
(Dr. R. Wood, Principal Investigator)

MO Highway Department (MDH) project near Rolla involved pedestrian and shovel surveys, mapping and controlled collection from sites preparatory to excavation. Involved in the mitigative excavation of rock cairn sites, testing of open sites, and field and laboratory analysis. Responsible for assembling and constructing the field and laboratory equipment.

February 1978      Assistant, Dickson Mounds, Illinois State Museum  
Alan Harn, Staff Archaeologist

Requested to assist in the cleaning, realignment and re-stabilization of the extensive burial wing exhibit.

October -            Crew Member, AAI  
December 1977

Initiated the *West Central CO Coal Leases* described above.

September 1977    Archaeological Consultant  
*Cannon Reservoir Human Ecology Project*  
M. O'Brian, Director; University of Nebraska

Mitigative excavation of an Archaic and Late Woodland Periods burial and village site in northeastern MO.

May -                Crew Member  
August 1977        *H. S Truman Reservoir Archaeological Project*  
UMC, Dr. Donna R. Roper, Director

My crew dealt with Archaic Period and older sites. Duties included pedestrian and shovel survey, shovel testing and test excavations of numerous sites, often utilizing heavy equipment on deeply buried sites. Mitigative excavation was also conducted. Responsibilities included field cartography and principle excavator of the more difficult features.

May 1976 -         Laboratory Director/Assistant Field Supervisor  
April 1977         UMC  
Dr. Robert L. Reeder, Project Director (Dr. R. Wood, PI)

The *Sohn Site/23JA110 and Coffin Site/23JA200 Projects* for MHD near Kansas City. Directed the organization of the laboratory, supervised lab personnel and conducted a wide range of lithic analysis. Test and mitigative excavations conducted at both sites. The Coffin Site was a Late Woodland Period camp,

while the Sohn Site, a horizontally and vertically stratified camp, dated to the Middle to Late Archaic and Early Woodland Periods. Duties included daily field organization for a crew of 19 (plus numerous volunteers), field lab organization and the procurement or construction of field and laboratory equipment. Heavy equipment was occasionally utilized. I was responsible for the excavation of complicated units.

May - Research Assistant  
September Cahokia Mounds Illinois State Museum  
1975 Nelson Reed (Washington University, St. Louis)

Experimental archaeological project encompassing extensive field research into the Mississippian Period (primarily focused on structures).

May - Crew Member  
September Dickson Mounds Illinois State Museum  
1971 A. Harn, Staff Archaeologist

Excavations at a Woodland/Mississippian Village at the Museum and several emergency excavations at prehistoric farmstead and burial sites in the surrounding area. Pedestrian survey and controlled surface collections at Archaic through Protohistoric Period sites as well as limited lab work were also conducted.

Summers Volunteer for short periods on projects throughout MO and in UT.  
1970 - 1964 Participated in excavations, surveys and limited laboratory work.

'Busman Holidays' while at the Office of the State Archaeologist, University of Iowa.  
2006 WCRM, Farmington, New Mexico office  
Phase III mitigation excavations near Hobbs, New Mexico.

2004 Metcalf Archaeological Consultants, Inc.  
I directed/served as crew chief in survey projects in Emery County, UT and Rio Blanco County, CO.

1999 Metcalf Archaeological Consultants, Inc.  
I directed/participated in survey projects in Adams, Boulder and Kiowa counties, CO and Campbell County WY.

## **Professional Papers, Publications & Awards**

**2005** Review of *Thirty Years Into Yesterday: A History of Archaeology at Grasshopper Pueblo*, Jefferson Reid and Stephanie Whittlesey. *Journal of the Iowa Archeological Society* 52(2):75–76.

**2003** Invited Discussant, Prehistoric House Pits in the Rocky Mountain/Wyoming Basin Region; Definitions, Variability, and the Credibility of Archaeological Interpretations symposium. Sixth Biennial Rocky Mountain Anthropological Conference, Estes Park, Colorado.

**2001** Two Reconstructed Late Woodland Vessels from Wickiup Hill, Linn County, Iowa. Joint Midwest Archaeological & Plains Anthropological Conference, Prehistoric Ceramic Workshop presentation, St. Paul, Minnesota.

**2000** Abstract for Wickiup Hill Project, Linn County, Iowa. *Journal of the Iowa Archeological Society* 47:75–76.

**1999** Basin Houses in Colorado and Wyoming: Delineation of a Culture Area. Paper presented at 4th Biennial Rocky Mountain Anthropological Conference, Glenwood Springs, Colorado.

Formiportation: Discussion of an Archaeological Site Formation Process. Quaternary Brown Bag presentation, University of Iowa.

Invaluable Contribution Award from Iowa First Nations.

**1998** Glass Trade Beads from Northwest Colorado: Ute Trading Networks and Formiportation. Paper presented at 56th Annual Plains Conference, Bismarck, North Dakota.

Certifiable as Competent Archaeologist in OSHA terms. Completed safety training class Excavations, Trenches and Soil Mechanics Safety Training by Jack L. Mickle, author of Occupational Safety and Health Administration regulations on same.

Basin Houses in Colorado and Wyoming: Delineation of a Culture Area and Parsing Hunter-Gatherer Modeling. Unpublished Master's thesis, Department of Anthropology, University of Colorado, Boulder.

**1997** Magic Mountain Mysteries: Ritual Use of a Front Range Structure?. Brown Bag Seminar presentation, Department of Anthropology, University of Colorado - Boulder.

**1996** Proposed AVIRIS Application for Identifying Prehistoric Lithic Quarries. Remote Sensing of the Environment, University of Colorado - Boulder.

Resistivity Survey at the Magic Mountain Site. Field Geophysics, University of Colorado - Boulder.

Teaching Assistant, Introduction to Anthropology, University of Colorado - Boulder. Dr. Douglas Bamforth, Professor.

Alice Hamilton Scholarship Fund awardee. Colorado Archaeological Society, Inc., Denver.

**1994** Structural Features from the CIGUBL Project. Paper presented at the Colorado Council of Professional Archaeologists' Annual Meeting, Montrose.

**1992** Sheridan, Susan Guise, Jeannette L. Mobley-Tanaka, Dennis P. Van Gerven and Wm. Lane Shields  
A Case of Late Prehistoric Mutilation on the Northwest Plains. *Plains Anthropologist* 37:289-298.

Wm. Lane Shields and John D. Cater  
The Cedar Hill Project; An Anasazi Frontier. IN *Cultural Diversity and Interaction: The Archaic, Anasazi, and Navajo Occupation of the Upper San Juan Basin*, edited by Lori Stephens Reed and Paul F. Reed. Cultural Resources Series, New Mexico Bureau of Land Management, Santa Fe.

**1991** Wm. Lane Shields and John D. Cater  
The Cedar Hill Project; A Frontier. Paper presented at the 56th Annual Society for American Archaeology Conference, New Orleans, Louisiana.

Member and co-author for 1) Chronology, 2) Field Methods and 3) Lithics Farmington Resource Area Cultural Advisory Groups' documents. *Data Comparability Guidelines for Fruitland Coal Gas Gathering System Data Recovery*. Bureau of Land Management Farmington Resource Area, Farmington, New Mexico.

**1990** Certificate of Recognition for Stewardship of Public Lands. Bureau of Land Management Farmington Resource Area, Farmington, New Mexico.

Invited discussant, San Juan River Basin Research. Crow Canyon Archaeological Center, Cortez, Colorado.

The Loma Enebro Community. Paper presented at the 63rd Annual Pecos Conference, Blanding, Utah.

**1986** Method and Technique in Sand Dune Excavation. Paper presented at 44th Annual Plains Conference, Denver, Colorado.

**1985** John D. Gooding and Wm. Lane Shields

*Sisyphus Shelter*. Bureau of Land Management, Cultural Resources Series Number 18, Denver, Colorado.

**1983** Preliminary Report on Walled Solution Hole Sites; A previously unreported type of prehistoric site from Pulaski County, Missouri. Ms. in possession of author.

Rock Cairn Sites in Pulaski County, Missouri. Ms. in possession of author.

**1980** Preliminary Investigations at the McEndree Ranch Site, 5BA30. *Southwestern Lore* 46(3):1-17.

**1979** Thomas L. Burge and Wm. Lane Shields  
Hopewell Effigy Mound Sites and Galena Sources in Joe Davies County, Illinois. On file, Illinois Conservation Department, Springfield.

**1976** The Paleontology and Pathology of Five North Dakota Prehistoric Burials. Ms. in possession of author.

**1975** Report on Woodland and Mississippian Tradition Structure Construction Techniques at Cahokia Mounds. On file, Department of Anthropology, Washington University, St. Louis, Missouri.

### **Selected Technical Reports**

**2007** Michael J. Perry, Wm. Lane Shields and Daniel G. Horgen  
A Phase I Archaeological Survey of Primary Roads Project HES-169-6(72)--2H-94, a.k.a. PIN 05-94-169-010, Webster and Humboldt Counties, Iowa. Project Completion Report 30(8). Office of the State Archaeologist, The University of Iowa, Iowa City.

**2006** A Phase I Archaeological Survey of Primary Roads Project STPN-10-2(24)--2J-71, also known as PIN 05-71-010-020, Clay and O'Brien Counties, Iowa. Project Completion Report 29(5). Office of the State Archaeologist, The University of Iowa, Iowa City.

**2004** A Class III Cultural Resource Inventory Report of Six Proposed Yellow Creek Federal Wells for BEPCo Operation Company, Rio Blanco County, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. On file, Office of Archaeology and Historic Preservation, Denver.

A Phase I Archaeological Survey of a Reported Unmarked Cemetery Location, Primary Roads Project NHS-30-5(136)--19-64, Marshall County, Iowa. Project Completion Report 27(11). Office of the State Archaeologist, The University of Iowa, Iowa City.

**2003** Michael J. Perry, Wm. Lane Shields and Alan Hawkins

A Supplemental Phase I Archaeological Survey of U.S. 61 Design Modifications, Primary Roads Project NHS-61-2(50)--19-29, Des Moines and Louisa Counties, Iowa. Project Completion Report 26(14). Office of the State Archaeologist, The University of Iowa, Iowa City.

**1999** A Phase I Archaeological Survey of Primary Roads Project NHS-30-6(62)--19-06, a.k.a. PIN 92-06040-1, U.S. 30 Wetland Mitigation, Benton and Linn Counties, Iowa. Project Completion Report 22(20). Office of the State Archaeologist, The University of Iowa, Iowa City.

**1997** Archaeological Mitigation of Sites 5LP2613 and 5LP2615 in La Plata County, Colorado. Centennial Archaeology, Inc., Fort Collins, Colorado. For and on file, Colorado Department of Transportation, Denver.

Stephen M. Kalasz and Wm. Lane Shields.  
Report of 1994/1996 Grid Block Archaeological Excavations at the Magic Mountain Site (5JF223) in Jefferson County, Colorado. Centennial Archaeology, Inc., Fort Collins, Colorado. For State Historical Fund Project No. 96-01-049. On file, Office of Archaeology and Historic Preservation, Denver.

**1995** Stephen M. Kalasz, Bridget M. Ambler, Linda Scott Cummings, Michael McFaul, Kathryn Puseman, Wm. Lane Shields, Grant D. Smith, Karen Lynn Traugh and Christian J. Zier  
Report of 1994 Archaeological Excavations at the Magic Mountain Site (5JF223) in Jefferson Counties, Colorado. Centennial Archaeology, Inc., Fort Collins, Colorado. For State Historical Fund Project No. 94-02-22. On file, Office of Archaeology and Historic Preservation, Denver.

**1993** AN ADDENDUM TO The E-470 Re-alignment Survey and Limited Testing in Adams, Arapahoe and Denver Counties, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For Centennial Engineering Inc., Arvada, Colorado. On file, Office of Archaeology and Historic Preservation, Denver.

A Class III Cultural Resources Inventory of the Sinbad Partnership FM -1 Seismic Line in Carbon County, Wyoming. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For Western Geophysical, Englewood, Colorado. On file, Bureau of Land Management, Great Divide Resource Area, Rawlins, Wyoming.

The E-470 Re-alignment Survey and Limited Testing in Adams, Arapahoe and Denver Counties, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For Centennial Engineering Inc., Arvada, Colorado. On file, Office of Archaeology and Historic Preservation, Denver.

A Class III Cultural Resources Inventory and Limited Testing of Nineteen Potential 404 Permit Application Sites and a Historical Reconnaissance Along the Current E-470

Alignment in Adams, Arapahoe and Denver Counties, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For Centennial Engineering, Inc., Arvada, Colorado. On file, Office of Archaeology and Historic Preservation, Denver.

A Class III Cultural Resources Inventory of Vail Associates, Inc. Category 3 Expansion in Eagle County, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For Vail Associates, Inc., Vail, Colorado. On file, US Forest Service, White River National Forest, Glenwood Springs, Colorado.

**1992** A Class III Cultural Resources Inventory and Evaluative Test Excavations for the Fish Creek Reservoir Expansion, Routt County, Colorado. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. For ACZ, Steamboat Springs, Colorado. On file, Office of Archaeology and Historic Preservation, Denver.

Wm. Lane Shields and John D. Cater

A Cultural Resources Inventory of the Phillips San Juan 29-6 Unit Gathering System Located in the Greater Gobernador Area, Rio Arriba County, New Mexico. Daggett & Chenault, Inc., Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

**1991** Wm. Lane Shields and John D. Cater

Continuing Investigations of the Cedar Hill Project, in San Juan County, New Mexico; Conducted for Meridian Oil, Inc. as part of the Val Verde Gathering System; Part 5 of the San Juan College Cedar Hill Project. San Juan College Cultural Resources Management Program, Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

Wm. Lane Shields and John D. Cater

Data Recovery at Site LA 73258, San Juan County, New Mexico; Conducted for Meridian Oil, Inc. as part of the Val Verde Gathering System. San Juan College Cultural Resources Management Program, Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

**1990** Bonnie L. Pitblado and Wm. Lane Shields

A Cultural Resources Inventory of the Page 101 Well-Tie Reroute Located Near Cedar Hill, San Juan County, New Mexico; Conducted for Meridian Oil, Inc. as part of the Val Verde Gathering System; Part 4 of the San Juan College Cedar Hill Project. San Juan College Cultural Resources Management Program, Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

Bureau of Land Management Required Amendments for the Eastern Portion of the Cedar Hill Project, in San Juan County, New Mexico; Conducted for Meridian Oil, Inc. as part of the Val Verde Gathering System; Part 3 of the San Juan College Cedar Hill Project. San Juan College Cultural Resources Management Program, Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

A Cultural Resources Inventory of Three Lateral and Seventeen Well-tie Pipelines Located Near Cedar Hill, San Juan County, New Mexico; Conducted for Meridian Oil, Inc. as part of the Val Verde Gathering System; Part 2 of the San Juan College Cedar Hill Project. San Juan College Cultural Resources Management Program, Farmington, New Mexico. On file, Bureau of Land Management, Farmington Resource Area, Farmington, New Mexico.

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