THE PAJARITO PLATEAU:
A BIBLIOGRAPHY

by

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1993
THE PAJARITO PLATEAU:
A BIBLIOGRAPHY
Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally-owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.
Dedication

To Charlie R. Steen
Foreword

In 1916 Bandelier National Monument was established by proclamation of President Woodrow Wilson to protect and preserve for public enjoyment and education the large Anasazi pueblos and spectacular cave dwellings of the southern Pajarito Plateau. At the time, the monument and its archeological resources enjoyed considerable national prominence both in the public eye and within the profession of archeology, largely as a result of the pioneering explorations of Adolph Bandelier and the subsequent major excavations and dogged preservation efforts of Edgar L. Hewett. Since that time, however, Bandelier has ceded much of its prominence in southwestern prehistory, as extensive research projects have been conducted elsewhere. Although sporadic investigations have occurred over the last 75 years, the extent to which Bandelier has been forgotten is exemplified by the fact that in 1985 only 500 archeological sites had been identified in the monument's 51 square miles of territory. Knowledge of the majority of these was poor at best.

This bibliographic volume, painstakingly compiled by F. Joan Mathien, Charlie R. Steen, and Craig D. Allen, represents the first of several National Park Service contributions that will report the findings of the ongoing Bandelier Archeological Survey and, it is hoped, reestablish publicly and professionally the monument's rightful place in the development and florescence of late Anasazi prehistory. Begun in 1985, the ten-year Bandelier Survey has as its goals the recovery of both research and cultural resource management data, so that the Service may not only better understand and interpret the monument's archeology, but better preserve it. As of this date, a detailed architectural study of cavate pueblos has been completed and the field portions of sample inventory survey and test excavation programs have been brought to successful conclusion. The cavate study, directed by H. Wolcott Toll, and the survey, led by myself, were performed with National Park Service funding and staff. The excavation program, directed by Timothy A. Kohler, Associate Professor of Anthropology at Washington State University, was and continues to be supported by private grants. In an era when federal fiscal realities no longer allow comprehensive investigations on the order of a Mesa Verde or Chaco Project, it is only through collaborative efforts like this one with Washington State University that the type of thorough and careful research that has characterized past investigations of National Park Service areas will be able to continue.

It is in this collaborative spirit that Joan Mathien, Archeologist of the Branch of Cultural Research, Southwest Regional Office; the indomitable Charlie Steen, Consulting Archeologist of Los Alamos National Laboratory; and Craig D. Allen, Ecologist of Bandelier National Monument, have prepared what we believe will be a useful and important guide to the cultural and natural resources of the Pajarito Plateau.

Robert P. Powers, Director
Bandelier Archeological Survey
August 1992
CONTRIBUTIONS OF
THE BANDELIER ARCHEOLOGICAL SURVEY

1 MATHIEN, FRANCES JOAN, CHARLIE R. STEEN, and CRAIG D. ALLEN
1993 The Pajarito Plateau: A Bibliography. Southwest Cultural Resources Center Professional
Paper No. 49. Santa Fe.

2 KOHLER, TIMOTHY A. (editor)
1989 Bandelier Archaeological Excavation Project: Research Design and Summer 1988
Sampling. Reports of Investigations No. 61. Department of Anthropology, Washington
State University, Pullman.

3 Toll, H. WOLCOTT
An Analysis of Variability and Condition of Cavate Structures in Bandelier National

4 MATHIEN, FRANCES JOAN
1991 Glimpses into the History of the 1908 Fieldwork at Yapashi, Bandelier National
Monument. In Puebloan Past and Present: Papers in Honor of Stewart Peckham, edited
by Meliha S. Duran and David T. Kirkpatrick, pp. 121-132. Papers of the Archeological

5 KOHLER, TIMOTHY A. (editor)
1990 Bandelier Archaeological Excavation Project: Summer 1989 Excavations at Burnt Mesa
State University, Pullman.

6 KOHLER, TIMOTHY A., and MATTHEW J. ROOT (editors)
1992 Bandelier Archaeological Excavation Project: Summer 1990 Excavations at Burnt Mesa
Pueblo and Casa del Rito. Reports of Investigations No. 64. Department of Anth­
thropology, Washington State University, Pullman.

7 WHITE, JOSEPH COURTNEY
University of Utah Press, Salt Lake City.
ACKNOWLEDGMENTS

Every project, no matter what its size, is the combined effort of many people. To compile a bibliography as large as this one was not an easy task, and the authors are indebted to many colleagues for their assistance. Among them are Claire Harrison, formerly with the National Park Service; Beverly M. Larson, Consulting Archeologist, Los Alamos National Laboratory; William Sweetland, Archeologist, Bandelier National Monument; Lou Haecker, Cultural Resource Specialist, Archaeological Resources Management System, State Historic Preservation Office; and Laura Holt, Librarian, Laboratory of Anthropology, Museum of New Mexico. We would also like to acknowledge those who reviewed the draft copies and made constructive comments: Dr. Milford Fletcher, Dr. Charles H. Lange, Curtis F. Schaafsma, and the staff of Bandelier National Monument and the Bandelier Survey Project. As in any endeavor of this kind, a number of references probably were missed, for which we accept all responsibility. We hope that the reader will use this document as a guide to the literature.
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Introduction

Frances Joan Mathien

Background

This bibliography is the result of two initially independent projects. As the consulting archeologist at Los Alamos National Laboratory (LANL), Charlie R. Steen collected entries at the suggestion of the staff of the Environmental Surveillance Group of the Health, Safety, and Environmental Division, HSE-8. The primary purpose was to aid the staff in evaluating cultural resources on LANL lands. In addition to works that related to the archeology and history of the area, Steen included notations of a few books and articles in other fields such as geology and natural history. It was hoped that they also would be of value to other organizations and to students of past human activities on the Pajarito Plateau.

At the same time, the National Park Service (NPS) was planning a major survey of Bandelier National Monument (BNM). As part of this plan, the author was asked to prepare a background document that described research previously carried out in the area, including an annotated bibliography. Although the survey would be limited to the park boundaries, the larger Pajarito Plateau is a more logical study area from physiographic, environmental, and cultural perspectives; hence the focus was on this larger region. Mathien (1986) also included some references to natural resources studies, particularly those initiated by NPS within Bandelier National Monument.

Both bibliographies were made available to Colleen Olinger and Beverly Larson of the Health and Environmental Services Group at Los Alamos. They realized that while neither was complete, each included entries missing from the other. Larson suggested the two bibliographies be combined. (At this time, Craig Allen was studying the landscape of the Jemez Mountains [Allen 1984c, 1989]. His investigations included much detailed information on natural resource studies and were added in 1991 and 1992.)

To limit the scope of their work, Steen and Mathien had chosen their parameter: the Pajarito Plateau. Geographically, the Pajarito Plateau is described as the high tableland that lies between the Jemez Mountains on the west and the Rio Grande on the east. From north to south, it extends from the Chama Valley to La Cañada de
Figure 1. The Pajarito Plateau. Major land status boundaries.
INTRODUCTION

Cochiti (Hewett 1906:14)(Figure 1). Because human activity rarely stops at such definite boundaries, major ethnographic studies of Tewa (San Ildefonso and Santa Clara) and Keres (Cochiti) linguistic groups are included. (Even though most of the historic pueblos occupied by the Tewa and Keres are not located on the Pajarito Plateau, oral traditions and archeological data suggest that these groups once occupied sites on the plateau.) Towa studies are not included because Steen believed Towa ancestors were not involved in major cultural developments of the Pajarito Plateau. In addition, a bibliography of the Jemez area (home of Towa people) has been prepared by Michael Elliott (1982) and included with his nomination of large Pueblo sites near Jemez Springs to the National Register of Historic Places that is on file at the Museum of New Mexico, Laboratory of Anthropology, in Santa Fe. Both Steen and Mathien included references to geographically and historically related material that does not focus on the Pajarito Plateau but, nonetheless, is important to understanding the area’s archeology and physical environment, for example, lithic resources available from Cerro Pedernal or in the Sangre de Cristo Mountains.

The Bibliography

To assist the reader, two short chapters outline some of the studies that have been carried out during the past century. Craig Allen provides a sketch of the environmental background (soils, climate, vegetation, fauna) and lists some of the paleoecological studies that have been conducted. Mathien briefly describes the cultural studies from a historical perspective. Throughout her discussion, she uses familiar names or numbers for archeological sites; Appendix A lists the site names and their equivalent LA numbers--the official site numbers used in ARMS, the automated database management system used by the State of New Mexico Historic Preservation Office.

Bibliographic entries have been divided into three major categories: natural resources, cultural resources, and other general topics. The natural resources section encompasses geology, biology (both flora and fauna), pedology, mineralogy, and hydrology. Included under cultural resources are entries pertaining to archeology, history, ethnology, and ethnohistory. The last category, other references, includes a variety of unrelated topics, not necessarily vital to archeological research and environmental reconstruction of events on the Pajarito Plateau. Among these are entries that provide biographical material on the history, atmosphere, sense of place, and historical importance of the Pajarito Plateau.
The Setting

Craig D. Allen

Research during the past two decades has added considerably to our knowledge of the natural setting and resources of the Pajarito Plateau. This chapter reviews the most recent publications under the following headings: geology, landforms, and soils; climate; vegetation; fauna; and paleoenvironment.

Geology, Landforms, and Soils

The Pajarito Plateau is located on the east flank of the Jemez Mountains, north-central New Mexico. The Jemez landscape ranges in elevation from 1,590 m at the Rio Grande to 3,526 m at the summit of Tschicoma Peak, with a geologic boundary enclosing about 543,522 ha (Smith et al. 1976). The Jemez Mountains are the remnants of a large, collapsed volcano that underwent massive eruptions 1.4 and 1.1 million years ago. Prominent landforms include two central calderas, secondary domes within the calderas, the mountainous remnants of the precollapse volcanic piles that rim the calderas, an encircling skirt of canyon-dissected tuff plateaus (including the Pajarito Plateau), White Rock Canyon, and the basaltic cones of the Cerros del Rio (Burton 1982). The central Toledo and Valles calderas are 12 and 24 km in diameter, respectively. The caldera rim peaks are known as the Sierra de los Valles. An immense amount of geological research has been conducted in the Jemez Mountains (see Mills et al. 1989).

The Pajarito Plateau is composed of up to 300 m of consolidated ash tuff that was deposited during the big eruptions. Subsequent erosion has created landforms dominated by abrupt, deep canyons that separate long, narrow, upland mesas. The townsites of Los Alamos is situated on the upper end of the Pajarito Plateau, at the base of the Sierra de los Valles. The Rio Grande flows through White Rock Canyon, a gorge 300 m deep that separates the Pajarito Plateau from the Cerros del Rio to the southeast.

Climate

Overall the Jemez Mountains experience a semiarid continental mountain climate (Bowen 1990; U.S. Department of Energy 1979), but this designation masks a great deal of variability associated with elevational gradients and topography. For example, annual precipitation ranges from 30 cm at the lowest elevations to about 90 cm at the caldera rim; mean annual precipitation at Bandelier's weather station (1,990 m elevation) is 40.7 cm (Bandelier National Monument, records on file). There is typically a dry period from late April through the end of June, terminated by the onset of the summer "monsoon." Sixty percent of the annual precipitation falls between June and September, with thunderstorms reported for 58 percent of the days in July and August (U.S. Department of Energy 1979). These convectional thunder-showers, frequently accompanied by hail, bring 40 percent of the total annual precipitation in July and August. Cyclonic storms in winter bring snow to all elevations. Los Alamos has a five-month growing season (May 6-October 16), with perhaps a 100-day growing season found at the highest elevations or in canyon bottoms with cold air drainage. July is the warmest month at Los Alamos (mean temperature = +20 °C), and January the coldest month (mean temperature = -1.6 °C). Bowen (1990) provides extraordinary detail on the climate of the Pajarito Plateau.

Local climate is also temporally variable, with wide fluctuations in annual precipitation common. Cyclic El Niño climate events bring increased spring and summer precipitation to this area about every four years (Andrade and Sellers 1988). Dendro-climatological work documents irregular occurrences of dry and wet periods extending back to A.D. 598 in the Jemez Mountains (Dean and Robinson 1977, 1978). Weather records at Los Alamos and the Bandelier headquarters begin in 1911 and 1925, respectively, with data missing from some early years (Bowen 1990; Bandelier National Monument, records on file).

Vegetation

The Jemez Mountains are in the southernmost extension of Bailey's (1980) Rocky Mountain Forest Province, with vegetation communities similar to those found throughout the southern Rocky Mountains. The general conceptualization of the vegetation pattern in this area is a zonation of communities based on elevation and slope exposure. Upward along the 1,900 m elevational gradient from the Rio Grande to the Jemez peaks, one passes through juniper grasslands (Juniperus monosperma, Bouteloua sp.) from about 1,600 to 1,900 m; pinyon-juniper woodlands (Pinus edulis) at 1,900 to 2,100 m; ponderosa pine forests (Pinus ponderosa) at 2,100 to 2,300 m; mixed conifer forests of ponderosa pine, Douglas-fir (Pseudotsuga menziesii), white fir (Abies concolor), aspen (Populus tremuloides), and limber pine (Pinus flexilis) at 2,300 to 2,900 m; and finally spruce-fir forests of Engelmann spruce (Picea engelmanni) and corkbark fir (Abies lasiocarpa var. arizonica) on the north slopes of the highest peaks above 2,900 m. High-elevation grasslands (Festuca thurberi, Danthonia parryi) occur as large breaks in the mixed conifer forests on upper south-facing slopes (Allen 1984a), and large moist meadows occupy the "valles of the caldera" basins. A similar pattern of vegetation zones is used by several authors (Allen 1989; Nyhan et al. 1978; Osborn 1966; U.S. Department of Energy 1979, 1980). Although other authors explicitly recognize more categories (e.g., Moir and Ludwig 1979; Potter and Foxx 1981; U.S.D.A. Forest Service 1987a), their specific vegetation types are generally consistent with this broad zonal framework. The current vegetation of the Jemez Mountains reflects the underlying diversity of landforms, soils, climate, and site


The vascular plant flora of Bandelier National Monument includes collections of 720 species in 347 genera representing 86 families (Jacobs 1989a). Rare and endangered plant species found locally include the yellow ladyslipper (Cypripedium calceolus), rattlesnake fern (Botrychium virginianum), and grama grass cactus (Pediocactus papyracanthus) (Jacobs and Jacobs 1988). Jarmie and Rogers (1992) are conducting a fungal inventory of the Pajarito Plateau; to date, they have collected 133 species in 95 genera.

Fauna

The Pajarito Plateau harbors a diversity of animal species and communities, reflecting the wide variety of available habitats in this landscape. Bandelier National Monument has inventory information for most vertebrate faunal species. Recent park surveys indicate the presence of approximately 1,200 arthropod species (including 10 likely new to science) (Pippin and Pippin 1984b), 5 amphibians and 14 reptiles (Degenhardt 1975; Fleisher 1978), and 44 terrestrial mammals and 12 bats (Guthrie and Large 1980). About 115 breeding birds (Travis 1992) and 90 species of ants (Mackay et al. 1988) have been recorded in Los Alamos County. The endemic Jemez Mountains salamander (Plethodon neomexicanus) merits specific mention, as this state-listed endangered species is currently a Category I federal notice-of-review species. Other threatened or endangered species found on the Pajarito Plateau include the bald eagle (Haliaeetus leucophalus), peregrine falcon (Falco peregrinus), and spotted owl (Strix occidentalis).


Sources of environmental information available in-house at Bandelier National Monument are summarized in Allen (1989, 1992). Increasingly large amounts of environmental information will be available from Los Alamos National Laboratory as its "environmental..."
restoration" program generates compliance (Raymer 1992).

**Paleoenvironment**

While much paleoenvironmental research has been conducted in the American Southwest, the Pajarito Plateau area has received relatively little attention (see Spaulding 1992).

Climatic reconstructions in the Southwest, including sites in and around the Jemez Mountains, indicate that recurring episodes of dry and wet conditions characterize the Southwest over the past 2,000 years (Dean and Robinson 1977; Euler et al. 1979; Petersen 1988; Rose et al. 1981; Stearns 1981). Historic changes in the environment of the Pajarito Plateau area are reviewed by Allen (1989) and Rothman (1992). Ongoing research by McCord (1991), Reneau (1991), Spaulding (1992), and Touchan and Swetnam (1991b, 1992) will shed more light on paleoenvironments of the Pajarito Plateau area.
Anthropological Investigations

Frances Joan Mathien

The Pajarito Plateau has been visited by anthropologists for more than a century. With the acquisition of the Territory of New Mexico in 1846, investigators from the eastern United States entered the American Southwest, taking note of its topography, natural resources, inhabitants, and cultural differences. This chapter reviews the major investigations that have occurred; Tables 1 and 2 provide a summary of the surveys and excavations.

Early Reconnaissance and Discovery

Between 1880 and 1885 James Stevenson and J. W. Powell of the Bureau of American Ethnology (BAE) traveled through New Mexico and Arizona collecting prehistoric and modern Pueblo materials housed in the U.S. National Museum, Smithsonian Institution, in Washington, D.C. (Powell 1881, 1883). Stevenson (1883a, 1883b, 1886) published a description of his visits to areas on the Pajarito Plateau and a catalog of items collected during his expeditions to the Southwest.

Beginning in 1880, Adolph F. Bandelier, a self-trained ethnographer and historian, made several visits to the Pajarito Plateau. In 1890 he was accompanied by Charles F. Lummis, a writer/editor who walked across the country in 1884-85, taking photographs and writing short stories for newspapers along the way. Both Bandelier and Lummis are key figures who did much to popularize the Indian ruins they discovered.

Bandelier’s scientific work was part of a program sponsored by the Archaeological Institute of America (AIA) (Bandelier 1883, 1890, 1892, 1910, 1929). Bandelier conducted informal reconnaissance surveys, made sketch maps of sites, and collected some material from the surface of several of the large pueblos on the Pajarito Plateau. Among the sites he visited were Shufinne, Puye, Tsirege, Tsankawi, Potsui’i (Otowi), Tyuonyi, Yapashi, the Stone Lions shrine, Cueva Pintada, the Stone Lions in the Potrero de los Idolos, Kuapa, Old Cochiti, and numerous cave sites, as well as others in the Rio Grande Valley. Bandelier consulted with the Native American population and attempted to trace particular Keresan and Tewa Pueblo traditions and migration tales to specific archaeological sites (Bandelier 1892). In addition, he documented the effects of the Spanish on the Pueblos (Bandelier 1910, 1929) and wrote a
Table 1. Summary of archeological site surveys on the Pajarito Plateau.

<table>
<thead>
<tr>
<th>Survey Area/Surveyor(s)</th>
<th>Year(s)</th>
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<th>Comments and References</th>
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<td>J. Stevenson</td>
<td>1880s</td>
<td>BAE</td>
<td>Stevenson (1883a, 1883b, 1886)</td>
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<td>J. W. Powell</td>
<td>1885</td>
<td>BAE</td>
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<td>Adolph F. Bandelier</td>
<td>1880-1890</td>
<td>AIA</td>
<td>Five visits to the Bandelier area, once accompanied by Charles F. Lummis. Photographs at Southwest Museum in Los Angeles; Maxwell Museum of Anthropology, UNM. Bandelier (1883, 1892); Lange et al. (1975, 1984); Lange and Riley (1966); Lange and Riley with the assistance of Lange (1970)</td>
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<tr>
<td>Edgar L. Hewett</td>
<td>1929-1931</td>
<td>SAR and UNM</td>
<td>Hewett (1904, 1906, 1908b, 1938a)</td>
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<td>Reginald Fisher</td>
<td>1920s-1930s</td>
<td>LA</td>
<td>Fisher (1931)</td>
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<td>Harry P. Mera</td>
<td>1940s-1950s</td>
<td>USGS</td>
<td>Mera (1932, 1933, 1934, 1935, 1940)</td>
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<td>U.S.G.S. surveyors</td>
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<td>Survey for development of quad maps of area. No reports, but sites located on quad sheets.</td>
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<td>Ramon Vigil Grant/ Los Alamos Scientific Park</td>
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<tr>
<td>James Fulton</td>
<td>1935</td>
<td>NPS</td>
<td>Map, field notebook at BNM; some ceramic collections made (Worman 1959, 1967).</td>
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<td>David H. Snow</td>
<td>1983-1986</td>
<td>LANL</td>
<td>Many small surveys (Snow (1982a)</td>
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<td>Ralph Lassiter, Carl Alleman, James M. Eden, Dale S. King, and Walter W. Taylor</td>
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<td>Erik K. Reed</td>
<td>1948</td>
<td>NPS</td>
<td>Collections at WACC; Turney (1955)</td>
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<td>1952</td>
<td>NPS</td>
<td>Powers (1988); see below</td>
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<td>Charles H. Lange</td>
<td>1957-1959</td>
<td>SIU</td>
<td>Collections at SIU, NPS-SWRO. Map (NPS BAND/3855)</td>
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<td>Diane Traylor, Lyndi Hubbell et al.</td>
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<td>Collections at NPS. Hubbell and Traylor (1982); Traylor et al. (1990)</td>
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<td><strong>Cochiti Dam Flood Pool</strong></td>
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<td>Natt Dodge and Zorro Bradley</td>
<td>1959</td>
<td>NPS</td>
<td>Hubbell and Traylor (1982)</td>
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<td>Ron Ice, Don Fiero, and Dan Lenihan</td>
<td>1973</td>
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<td>SIU</td>
<td>Survey done through contract with MNM. Lange (1968a, 1968b); Peckham and Wells (1967)</td>
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<td>1956-1959</td>
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<td>Moore (1979)</td>
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<td>Leo Flynn and W. James Judge</td>
<td>1973</td>
<td>UNM</td>
<td>Collections and notes at MMA; map and report by Flynn and Judge (1973)</td>
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<td>Rock Art Surveys</td>
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<td>Richard H. Powell</td>
<td>1899-1901</td>
<td>New Mexico Normal School</td>
<td>English professor who worked with Hewett. See Hewett (1938a:114-115); his work is incorporated into Chapman's reports (see below)</td>
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<td>Kenneth M. Chapman</td>
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<td>SAR</td>
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<td>1980s</td>
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<td>Neff (1990)</td>
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<td>Nancy Olsen</td>
<td>1988-91</td>
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* Abbreviations:

- AIA Archaeological Institute of America.
- BNM Bandelier National Monument.
- LA Laboratory of Anthropology (now part of Museum of New Mexico), Santa Fe.
- LANL Los Alamos National Laboratory.
- MMA Maxwell Museum of Anthropology, University of New Mexico, Albuquerque.
- MNM Museum of New Mexico, Santa Fe.
- NPS National Park Service; Southwest Regional Office (SWRO), Santa Fe.
- OCA Office of Contract Archaeology, University of New Mexico, Albuquerque.
- SAR School of American Archaeology, later School of American Research, Santa Fe.
- SIU Southern Illinois University, Carbondale.
- SFNF Santa Fe National Forest, Santa Fe.
- UCLA University of California at Los Angeles.
- UNM University of New Mexico, Albuquerque.
- WACC Western Archeological and Conservation Center, Tucson.

b Covers broad area well as subdivisions listed below.
c Now University of Northern Colorado, Greeley.
d Now Highlands University, Las Vegas.
Table 2. Excavated sites on the Pajarito Plateau.*

<table>
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<td>DCA</td>
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<td>WACC</td>
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* Listed by LA numbers.

b Abbreviations:

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<td>AMNH</td>
<td>American Museum of Natural History, New York.</td>
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<td>ASM</td>
<td>Arizona State Museum, Tucson.</td>
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<tr>
<td>ASC</td>
<td>Adams State College, Alamosa.</td>
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<tr>
<td>BNM</td>
<td>Bandelier National Monument.</td>
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<tr>
<td>DCA</td>
<td>Division of Conservation Archaeology, San Juan Museum, Farmington.</td>
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<td>LAHS</td>
<td>Los Alamos Historical Society.</td>
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<td>MAI</td>
<td>Museum of the American Indian, New York.</td>
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<td>MMA</td>
<td>Maxwell Museum of Anthropology, University of New Mexico, Albuquerque.</td>
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<tr>
<td>MNM</td>
<td>Museum of New Mexico, Santa Fe.</td>
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<td>NPS</td>
<td>National Park Service, Southwest Regional Office (SWRO), Santa Fe.</td>
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<tr>
<td>OCA</td>
<td>Office of Contract Archeology, University of New Mexico, Albuquerque.</td>
</tr>
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<td>PCC</td>
<td>Philadelphia Civic Center.</td>
</tr>
<tr>
<td>PM</td>
<td>Peabody Museum, Cambridge.</td>
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<tr>
<td>ROM</td>
<td>Royal Ontario Museum, Toronto.</td>
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<tr>
<td>SAA</td>
<td>School of American Archaeology (now at MNM).</td>
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<td>SAC</td>
<td>Southwest Archaeological Consultants, Santa Fe.</td>
</tr>
<tr>
<td>SDMM</td>
<td>San Diego Museum of Man, San Diego.</td>
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<tr>
<td>SFNF</td>
<td>Santa Fe National Forest, Santa Fe.</td>
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<tr>
<td>SIU</td>
<td>Southern Illinois University, Carbondale.</td>
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<tr>
<td>UCLA</td>
<td>University of California at Los Angeles.</td>
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<tr>
<td>WACC</td>
<td>Western Archeological and Conservation Center, Tucson.</td>
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popular novel (Bandelier 1890). His detailed notes have been edited in four volumes by Lange et al. (1975, 1984), Lange and Riley (1966), and Lange and Riley with the assistance of Lange (1970).

Lummis’s interest in the Pueblo Indians blossomed in 1888-89 when he was living in New Mexico while recuperating from a stroke; for part of this time, he lived at the Pueblo of Isleta. In 1890 he met Bandelier and accompanied him to the Pajarito Plateau. In 1904 Lummis helped found the Southwest Society (AIA), and he later served as a member of the AIA Board and its School of American Archaeology (later the School of American Research), which was founded in 1907. As editor of a popular magazine, Land of Sunshine (1893; which became Out West after 1902), Lummis provided an outlet for brief reports written by travelers or other archaeologists who came to the Pajarito Plateau with the School of American Archaeology (Hewett 1909a; Morley 1910c; Wallace 1900). Chapters in Lummis’s popular books (Some Strange Corners of Our Country, 1915; Land of Poco Tiempo, 1925; Mesa, Canyon and Pueblo, 1925) were widely read by the American public, some of whom traveled to the Pajarito Plateau or became affiliated with the AIA field schools after 1907.

Edgar L. Hewett and the School of American Archaeology (AIA)

Edgar L. Hewett entered the southwestern scene in 1896 when he began his investigations on the Pajarito Plateau. Hewett, an educator first at the Normal School (now University of Northern Colorado) in Greeley, Colorado, then in 1897 president of the New Mexico Normal School (now Highlands University) in Las Vegas, New Mexico, began the first major archeological program on the Pajarito Plateau. Initially, he explored the area to learn about human development from prehistoric ruins. In addition to archeological reconnaissance, Hewett conducted limited excavations in mounds at larger sites (Puye, Tsankawi) as well as several small sites in the area near Tsirege, located on the Ramon Vigil Grant (Hewett 1904a). After these summer explorations, he contacted other educators interested in anthropology throughout the country, bringing to their attention the importance of this area in prehistory (Hewett 1946). Two of Hewett’s colleagues at the New Mexico Normal School, Kenneth Chapman and Richard Powell, were part of the summer expeditions (Hewett 1904:629). Powell conducted a rock art survey in 1899-1901 (Hewett 1938:114-115); his data are incorporated into Chapman’s (1916, 1938) reports.

In 1903 Hewett left the New Mexico Normal School and went to the University of Geneva to obtain his Ph.D. in sociology. While working on his degree, he was hired by the BAE in 1904 to survey, map, and prepare a report on the Pajarito Plateau (Hewett 1906). He excavated mounds at Otowi and conducted some field work at Tsirege (Mathien 1990). Hewett’s 1906 report contains much of the same information on the Pajarito Plateau as is found in his 1908 dissertation, which includes then-known prehistoric sites located in an area extending from southern Colorado down into the Chihuahua Basin of Mexico. Although he documented the different prehistoric groups of the American desert, he paid particular attention to the Rio Grande Valley and the Pajarito Plateau. Hewett examined social organization and commented on population distribution as derived from material culture remains.

While at the BAE, Hewett was in contact with numerous government officials as well as AIA members. He was interested in the protection of archeological sites, as well as the establishment of an archeological park on the Pajarito Plateau (Hewett 1903, 1916, 1929). Hewett worked closely with Congressman J. Lacey on a bill that in 1906 became the Antiquities Act. His work to secure passage of this act, as well as the refinement of the rules
and regulations that the Departments of War, Interior, and Agriculture issued, focused on developing regulations that were closely tied to AIA goals and philosophy. In 1905 Hewett had been appointed a fellow of the AIA, in 1906 Director of American Archaeology for AIA, and in 1907 head of the newly founded School of American Archaeology for AIA. As Director of American Archaeology, Hewett worked closely with AIA-affiliated societies. The School of American Archaeology was established in Santa Fe, and Hewett collaborated with Charles F. Lummis, Secretary of the Southwest Society (AIA), which financed the first year of major excavations at Puye in 1907 (Hewett 1908a).

The 1907 work at Puye included participation by summer students from Columbia and Harvard universities; Hewett’s field-school approach later proved to be a magnet for students from many institutions over the years, and Hewett drew on many of them, plus his colleagues, as field assistants. In the years after 1907, excavations were conducted in the Rito de los Frijoles (particularly at Tyuonyi, but also at Long House, Talus House, two small ruins east of Tyuonyi, Big Kiva, Yapashi, Frijolito Ruin, and San Miguel). Additional work was conducted in the area around Ojo Caliente and in the Jemez Valley during the next several decades. The work is summarized in several publications by Hewett (1908a, 1909a-g, 1930, 1938a); Hewett et al. (1913); Hewett and Dutton (1945); and Hewett and Mauzy (1940), but no detailed site reports were published.

Among the students who studied and worked under Hewett on the Pajarito Plateau were Sylvanus G. Morley and Alfred V. Kidder. Both worked at Puye. Morley’s account of the excavations at the South House of this site was published in several places (Morley 1919a, 1910b, 1910c); he also examined the Spanish archives for information on the use of the Rito de los Frijoles (Morley 1938). Kidder excavated at Frijolito Ruin on the mesa south of the Rito de los Frijoles, but to date, few of his notes have been found. Kidder did incorporate data from this and other sites into his Ph.D. dissertation (Kidder 1914) and into a summary article on ceramics (Kidder 1915).

Others associated with Hewett’s and the School of American Archaeology’s investigations on the Pajarito Plateau include John P. Harrington, an ethnologist and linguist. Harrington and other colleagues examined the populations of the Rio Grande Valley and reconstructed geographical, botanical, and zoological uses of the area (Harrington 1916a, 1916b, 1919, 1920, 1947; Henderson and Harrington 1914; Robbins et al. 1916). Kenneth Chapman came to the School of American Archaeology as a staff member. His artistic talents were used in a rock art study on the Pajarito Plateau (Chapman 1916, 1917a, 1917b, 1927b, 1938), as well as in drawings and models of what these sites may have looked like when inhabited by the Anasazi.

Hewett introduced many people to the historic and prehistoric Indians of the Southwest through his field schools, AIA summer sessions, and visits to sites in the area. After 1910 an annual camp was established in the Rito de los Frijoles, as well as one at Puye. Meetings of the boards of directors of AIA and the School were also held in the Rito de los Frijoles so that the members could see the results of investigations first hand. By the 1920s Hewett had been in contact with officials from the Santa Fe Railroad and soon established a museum at Puye, with transportation from Santa Fe and Española to the site. Thus, many of the country’s educated and wealthier citizens were able to observe southwestern archeology in action.

During this period Lucy L. W. Wilson and her husband, William Wilson, director of the Philadelphia Commercial Museum, became interested in the site of Otowi. Lucy Wilson was the principal of the Southern High School in Philadelphia. She spent three summers (1915, 1916, and 1917), assisted in part by Wesley Bradfield from the School of American
Archaeology, excavating Big Otowi and Little Otowi and several small sites and cliff dwellings in the area. Wilson's available reports for this site contain limited information (Wilson 1916a, 1916b, 1917, 1918a, 1918b); the collections are at the Museum of New Mexico. The field notes have never been located, and it is assumed that they perished in a flood in the Philadelphia Commercial Museum.

Because of his interest in preservation, Hewett tried to create a park that would encompass much of the Pajarito Plateau. He called it Pajarito Park at one time, the Cliff Dwellers Park at another (Cameron n.d.; Hewett 1903, 1916; Rothman 1988). Many bills were introduced to Congress, and debates continued for years. In the end, Bandelier National Monument was created in 1916; but it was not nearly as extensive as Hewett had hoped. Much of the land on the Pajarito Plateau was left under the jurisdiction of the Department of Agriculture or as part of the Indian Reservation system (Puye is on the Santa Clara Indian Reservation). The Ramon Vigil Grant remained a separate area for many years; later it was incorporated into the Los Alamos Scientific Park, on which Los Alamos National Laboratory is located (Lyon and Evans 1985; Pettitt 1972; Truslow 1973; Truslow and Smith 1947).

Additional Surveys and Chronological Research

While Hewett and the School of American Archaeology were concentrating efforts on the central and northern part of the Pajarito Plateau, Nels C. Nelson of the American Museum of Natural History began a reconnaissance survey along the Rio Grande that extended from Cochiti Canyon to El Paso. Nelson wanted to develop a better chronology for archeological sites and employed various stratigraphic tests to achieve his goal (Nelson 1913, 1915, 1916, 1917). He tested the sites of Old Cochiti (or Koyiti), Pueblo Cañada, and Kuapa, all on the southern border of the Pajarito Plateau, as well as the Potrero de los Idolos, a major shrine. Unfortunately, his data were never published in detail; his field notes are on file at the Laboratory of Anthropology of the Museum of New Mexico, Santa Fe (Nelson n.d.a, n.d.b).

Another large survey was initiated by Reginald Fisher, a later student and colleague of Hewett's at the University of New Mexico and School of American Research. Fisher recorded known sites on the Pajarito Plateau in a system developed to encompass the entire state of New Mexico (Fisher 1931).

By 1922 Dr. Harry P. Mera, a physician who had a deep interest in the Pueblo Indians and their ceramics, had begun a survey of prehistoric sites in the Rio Grande area. He walked much of New Mexico to map many sites and make surface collections in order to define ceramic wares and establish more detailed chronologies than were available. His work on the Pajarito Plateau (Mera 1932, 1933, 1934, 1935, 1940) led to a revised ceramic sequence for the area, as well as a discussion of population, migration, growth, and settlement. The collections are maintained by the Museum of New Mexico at the Laboratory of Anthropology.

ordination of type names and chronological control. To provide other types of chronological control, studies of tree-ring dates (Robinson et al. 1972; Smiley 1952; Smiley et al. 1953; Stallings 1933, 1937) were initiated and continue to help refine our knowledge about the development of the Pueblos through time, but the number of samples from excavated sites is small, and more work is needed to establish a good chronology for this area. Obsidian hydration dating has been used (Russell 1981a, 1981b) on both the Pajarito Plateau and in the neighboring Jemez Mountains; Wolfman and Willmer (1991) review the chronology for the larger area.

Work on Federal Lands--Bandelier National Monument and Los Alamos

Government agencies that are responsible for large areas on the Pajarito Plateau developed their own programs as they needed new data or made changes in land use. In 1935 James Fulton, a forester, surveyed the ruins on the Ramon Vigil Grant. He relocated many ruins already located on available maps, some of which Bandelier and Hewett had identified. Fulton created a base map (NM/BAN 4947) used by others (Worman 1959, 1967). His field notebook (on file in the archives at Bandelier National Monument) indicates that he located 287 sites; recorded data include the length and width of each ruin and the number of rooms and rock art panels at each site.

In 1942 Los Alamos National Laboratory was established on the northern half of the Pajarito Plateau in order to develop and test a fission bomb. As the goals and mission of this facility have changed from a closed military operation to an open town and institution devoted to peaceful use of atomic energy (Lyon and Evans 1985), ever-expanding use of the land has necessitated survey and excavation of archeological sites. Roads and buildings were constructed, and an entire town sprung up on the high mesas. There is little information on the work that was done during the early years, but several archeologists have been consultants for Los Alamos. The first such person to conduct research on a long-term basis for this facility was Frederick C. V. Worman; he was succeeded by Charlie Steen, David H. Snow, and Beverly M. Larson.

Before his association with Los Alamos, Worman began a multiyear archeological project in 1948 that included both survey and excavation by field-school participants from Adams State College in Alamosa, Colorado. The area covered in this research was on the Ramon Vigil Grant and in what is now the northern part of Bandelier National Monument (Rito de los Frijoles and mesa to the north). In 1948 39 sites were located (Worman 1949); in 1949 an additional 45 sites were recorded (Worman 1950). Excavations were carried out at Rainbow House, RV 128, and RV 45. Unfortunately, Worman left Adams State College before completion of the planned five-year program. The only publication that resulted from this program was by Caywood (1966), who reported on the excavation data from Rainbow House many years later. Worman continued to work on the Pajarito Plateau for the Department of Energy (Los Alamos National Laboratory); he surveyed and excavated sites in areas that were being used by that facility (Worman 1953, 1967; Worman and Steen 1978). Worman (1967:1) indicates that he revised all of Fulton’s 1935 site numbers and listed them in the Laboratory of Anthropology (now ARMS) system; the collections were turned over to the Museum of New Mexico.

By the 1950s several additional projects were under way. The Los Alamos Archaeological Society carried out an excavation at Fulton’s site 190 (LA 8681) from 1953 to 1956. This is an Anasazi pueblo of 21 or more rooms located in what is now the Pajarito Acres section of the town of White Rock (Fretwell 1954, 1959). During 1956 and 1957 the society
also excavated an Anasazi cave site near Tsirege (Tsirege Cave, LA 170). Some data are available in Maxon (1969) and Young (1954b). No other reports were published, and the material is curated at the Museum of New Mexico.

The National Park Service undertook partial surveys of the Otowi Section (now reduced in size and called the Tsankawi Section) of Bandelier National Monument as a result of the need for roads and waterlines to the Los Alamos community. In 1946 Ralph Lassiter, Carl Alleman, James M. Eden, Dale S. King, and Walter W. Taylor examined a proposed waterline through Los Alamos Canyon; eight sites were recorded. In 1948 Erik K. Reed checked a road through Sandia Canyon; even though no free-standing pueblo sites would be impacted by the road, several talus sites at the base of the cliff along the north side would be affected. A survey of the entire Otowi Section was conducted in 1952 by John F. Turney, a NPS archeologist. His 1955 draft report indicates that 55 sites were recorded and given numbers in the Laboratory of Anthropology (now ARMS) system. Included in the records are 43 pueblos, 11 cliff sites, and one sherd scatter, most of which date to the A.D. 1100-1500s.

Over the years, the National Park Service has conducted some excavations as part of a program to preserve cultural resources. In addition, erosion has led to excavation and collection in specific areas; reports are on file in the archives at Bandelier National Monument. Creutz (1975) summarized the program of ruins stabilization that was carried out. Listed below are the sites and references to the work completed on these stabilization or salvage/mitigation projects.

<table>
<thead>
<tr>
<th>Site</th>
<th>Reference/Comments</th>
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<tbody>
<tr>
<td>Otowi Section</td>
<td>Harkins (1938—burial)</td>
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<td>Lister (1939b, 1939d, 1940a)</td>
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<td></td>
<td>Maxon (1962)</td>
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<tr>
<td>Potsui'i II</td>
<td>Hendron (1945)</td>
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Ethnology and Archeology

Studies in related anthropological fields also contribute to our understanding of the prehistoric and historic Pueblo Indians. Ethnologists began detailed studies in the early 1900s and continue. Many published reports (Dozier 1958, 1961, 1966; Fox 1960, 1964, 1967; Goldfrank 1927; Lange 1944, 1950a, 1950b, 1952a, 1952b, 1953a, 1953b, 1957, 1958a, 1958b, 1959, 1961, 1980; Ortiz 1969; Parsons 1929, 1932, 1939; White 1930, 1944; Whitman 1940, 1947; and Wittfogel and Goldfrank 1943) add greatly to our understanding of the various Rio Grande Pueblo peoples. Archeologists often use these data to generate testable hypotheses or to provide models of culture change.

During the 1950s Charles H. Lange, of the University of New Mexico and later Southern Illinois University (SIU), began a long-term anthropological study of the modern Cochiti and their ancestors. In addition to ethnological research (see above), he spent many years conducting archeological survey and excavation programs on lands that would be affected, in part, by the construction of Cochiti Dam on the Rio Grande. In 1957, 1958, and 1959 Lange and his oldest son conducted a horseback survey on the Cañada de Cochiti Grant (then owned by James Webb Young),
by placing a dam across the river near Cochiti Pueblo led to archeological surveys and mitigation of sites below the floodwater line beginning in the 1960s. Construction of Cochiti Dam necessitated use of land belonging to the Pueblo of Cochiti, the University of New Mexico, the National Park Service, the Atomic Energy Commission, and the U.S.D.A. Forest Service, as well as private landowners. Funds from the U.S. Army Corps of Engineers were administered by the National Park Service through grants to the Museum of New Mexico and other contractors between 1962 and 1967. A major contract for the area south of Bandelier National Monument was awarded to Lange and SIU through the Museum of New Mexico (Lange 1968a, 1968b). Work on this project included survey on both banks of the Rio Grande by Alfred E. Dittert, Jr., Charlie R. Steen, and Albert H. Schroeder in 1962. Stan Bussey, Stewart Peckham, and Charles H. Lange continued this work from 1963 through 1964. A total of 28 sites, ranging from a knapping area to a large pueblo with 100 rooms, were located. Peckham and Wells (1967) provide additional site information. Excavations at some sites and additional survey were carried out by David Snow (1971, 1972a, 1973a, 1973c, 1976, 1979). Excavations are reported by Snow (1971) for the 1964-66 seasons, and Snow (1973a, 1973b, 1973c, 1976, 1979) for other years. An ancillary study of petroglyphs was conducted for the Museum of New Mexico by Polly Schaafsma in 1966 (Schaafsma 1967, 1971, 1972). Her 1972 overview of Rio Grande rock art indicates differences among elements between the areas north and south of Frijoles Canyon, a difference also noted by Steen (1977:20-24, 1979).

It was realized, however, that these endeavors were insufficient, so a proposal for more intensive survey and mitigation was requested in 1973 from the Office of Contract Archeology of the University of New Mexico to correct the deficiencies (Biella and Chapman 1975). A contract for intensive anthropological and archeological research began in late 1974. It included the areas encompassed by both the

The Cochiti Dam

The decision to control the Rio Grande
permanent and maximum flood pools; research included assessment of the existing cultural resources, intensive survey, and mitigation. Approximately 9,070 acres of land were examined under the direction of Jan V. Biella and Richard C. Chapman (Broilo and Biella 1977:3). Sites recorded within the inundation pool included 121 nonstructural proveniences at 91 locations, 228 Anasazi proveniences at 187 locations, and 128 historic proveniences at 85 locations. The survey and excavations are reported in four volumes (Biella 1979a; Biella and Chapman 1977a, 1977b; Chapman and Biella 1977) that include discussions of the environment, detailed analyses of settlement pattern, artifacts, and architectural features, as well as the development of social complexity in the Rio Grande Valley.

In addition, National Park Service archeologists were assigned survey and assessment tasks. To the north in Bandelier National Monument, early work by Natt Dodge and Zorro Bradley in 1959, Edmund Ladd in 1968, and Bradley in 1969; reconnaissance by Ron Ice, Don Fiero, and Dan Lenihan in 1973; and survey by Bruce Anderson, Don Fiero, and George West in 1974 have been incorporated into a major report by Lyndi Hubbell and Diane Traylor (1982), who surveyed 361 acres that would be impacted by water held back by Cochiti Dam. All sites within the area were well recorded, several were excavated, and an analysis of the cultural remains is presented. Hubbell and Traylor add new information, particularly about the Archaic use of the area, two rock shelters, and a number of small masonry pueblos.

**Bandelier and Los Alamos in the 1970s and 1980s**

Other work in Bandelier National Monument included excavation at Saltbush Pueblo in Frijoles Canyon, which was carried out by David Snow, of the Museum of New Mexico, in 1971 (Snow 1974). This pueblo consisted of two units with 11 rooms and a keyhole kiva. Because the original ventilator was oriented toward the south (later remodeled), it suggested to Snow a possible affiliation of its inhabitants to those in the Mesa Verde area. His dating of the site is ca. A.D. 1175-1250; thus, it falls within the right time period for such a tie if one assumes that Galisteo Black-on-white was present in the site by A.D. 1250 (see Breternitz 1966 for the accepted range of dates for this pottery type).

In 1972 Charlie R. Steen succeeded Frederick Worman as the archeological consultant at Los Alamos National Laboratory. He continued archeological surveys (for a total 402 sites identified), excavations, and report writing (Steen 1974, 1977, 1979, 1980a, 1980b, 1982). The majority of the sites recorded and analyzed were occupied between the thirteenth and sixteenth centuries, and include pueblos, kivas, cave rooms, rock art, rock alignments, water collection devices, agricultural sites, shrines, and game pits. Steen's analysis of settlement on the northern half of the Pajarito Plateau is informative and presents a number of ideas to be pursued as further research continues in this area.

A fire on lands located on Bandelier National Monument and Los Alamos National Laboratory occurred in 1977. As a result, many studies of both natural and cultural resources were initiated (Foxx 1984). A 100 percent archeological inventory of areas affected by fire-suppression teams was made; 99 sites were recorded, and 4 were excavated (Traylor et al. 1990).

During the 1980s, the National Park Service initiated a study of historic Civilian Conservation Corps (CCC) buildings within Bandelier National Monument. A report of the results is available (Harrison et al. 1988).

David H. Snow, Beverly M. Larson, and other archeologists continue to survey and excavate sites as part of cultural resource
management at Los Alamos National Laboratory. Numerous reports have been prepared (Larson 1986, 1987a-c, 1988a-b, 1991; Larson and McGehee 1989; McGehee 1988, 1989, 1992a-b; McGehee et al. 1992; McGehee and Larson 1988, 1989a-b; McGehee and Munz 1991; McGehee and Schillaci 1992; Snow 1982a) and a major resurvey of some areas is underway. LA 4618 and LA 70029 have been excavated, but only one report has been published (Biella 1992). Others are in preparation (Larson, personal communication 1992).

Recent Research Projects

During the 1970s James N. Hill, of the University of California at Los Angeles, was interested in behavioral responses to stress. His goal was to examine a general model of human responses to long-term subsistence stress based on climatic shifts. The Pajarito Plateau was chosen as a case study to determine whether or not there are ordered, predictable regularities in one area; if so, then other study areas could be examined to determine whether or not this pattern held cross-culturally. Hill and his students designed a stratified random sample survey that covered selected areas of the Pajarito Plateau bounded by Santa Clara Canyon on the north, Bland Canyon on the south, the divide between the Pajarito Plateau and the Valle Grande on the west, and an 8-km distance east of the Rio Grande (Hill 1976; Hill and Orcutt 1979; Hill and Trierweiler 1986). Lands included those under the jurisdiction of several government agencies and private individuals (Hill 1977). A 1977 pilot study was followed by three years of research. Sites were defined as five or more artifacts within the area examined, and a total of 889 sites were recorded using LA numbers (Hill 1979b). Although final research reports are still in preparation, several preliminary reports were completed for work done on Forest Service land (de Barros and Hill 1980; Orcutt and Hill 1981; Trierweiler et al. 1979; Walsh et al. 1979; Walsh et al. 1978).


Expanding on this initial study, Robert W. Preucel developed the Pajarito Field House Project, an intensive survey of a limited area that examined spatial relationships between pueblos and field houses. The Pine Springs area of the Santa Fe National Forest, north of Los Alamos, was surveyed; 55 additional sites were recorded (Preucel 1985a, 1985b, 1986a-c, 1987a, 1990).

Building on earlier work by Hill, the National Park Service initiated the Bandelier Survey Project under the direction of Robert P. Powers in 1985 (Powers 1988). As in Hill’s work, the research goal was to test the hypothesis that Anasazi settlement, aggregation, and organizational complexity are cultural responses designed to buffer resource unpredictability or depletion. This model differs from Hill’s in that it focuses on population expansion and the reduction of the subsistence base as the initial causes of a long-term process of village formation and aggregation into larger sites. In addition to increased reliance on agriculture as a response to food stress, population aggregation may have brought about exchange, partial task responsibility, craft specialization, and even raiding.

In addition, data were gathered by the survey crews to provide management and researchers with an accurate database that can be used for planning, interpretation, and preservation of cultural resources in Bandelier National Monument, as well as to answer other, more refined questions about culture history and broader theoretical problems. A stratified random sample of 40 percent of the total park area was surveyed. Because the database provides the most information on the period between A.D. 1150-
1550 and 1600, that 400-year period provides the framework for most of the questions to be addressed. Also, some of these questions cannot be answered using surface survey data alone; therefore, some excavation was undertaken in cooperation with Washington State University (Kohler et al. 1989). Preliminary results of both survey (Head 1992; Orcutt 1990a, 1991a; Orcutt and Powers 1989; Powers and Orcutt 1988; Toll 1986; Toll et al. 1988) and excavations (Kohler 1989, 1990; Kohler and Root 1992) are available. Final results await completion of ongoing detailed analyses.

Recent analysis of available prehistoric burial material, using a new technique to determine hereditary developmental defects in the axial skeleton, provides information on the relatedness of inhabitants of several large pueblos (Barnes 1991). As additional studies are carried out, it is anticipated that relationships among modern and prehistoric groups will be better defined.

Rock art in the Rito de los Frijoles has been examined by Arthur Rohn (1989) and near Tsirege by Loy C. Neff (1990). According to these analysts, some petroglyphs seem to be localized while others are found throughout a larger area, possibly reflecting use by different groups. Similar results have been obtained by Lance K. Trask (1991, 1992) in the Jemez Mountains, but his interpretations of the panels suggest that some symbols were intended for viewing by the general population while others are in secluded areas and meant for limited audiences.

Most of the sites recorded during all the aforementioned surveys and excavations have been entered into the ARMS files of the State Historic Preservation Office in Santa Fe. Also on file are site survey data resulting from contract archaeology projects, such as examination of transmission lines. In addition, the U.S.D.A. Forest Service has conducted archeological survey as part of clearance procedures whenever road maintenance work or timber removal is scheduled. The Forest Service office in Santa Fe maintains maps indicating survey locations and sites as well as the clearance reports pertinent to them. Some of these reports (only those that include archeological sites) have been entered into the cultural resources section of the bibliography even though they may not be totally within the area of the Pajarito Plateau outlined earlier in this volume.

Summary

A considerable amount of archeological investigation has taken place on the Pajarito Plateau during the past century. Several overviews and discussions of the problems of where the people came from, why they were there, and how they adjusted to the environment have been presented (Chapman and Biella 1979, 1980; Collins 1975; Cordell 1978, 1979a, 1989; Ellis 1967b; Ford et al. 1972; Reed 1949, 1950, 1951a, 1954; Steen 1977, 1980a; Stuart and Gauthier 1981; Wendorf 1954; Wendorf and Reed 1955). Ongoing research, especially the projects undertaken by Hill and Powers, will continue to refine these interpretations.
Natural Resources References

Abeyta, C. G., and B. M. Delaney


Abrahams, J. H., Jr., E. H. Baltz, and W. D. Purtymun


Abrahams, J. H., Jr., J. E. Weir, and W. D. Purtymun


Allen, C. D., and K. Carlton


Allen, C., K. Yarborough, and J. Lissoway

Altenbach, M.
1992 Bibliography of Jemez Mountains Salamander *Plethodon neomexicanus*. Ms. in possession of author.

Anderson, Jerome E.

Andrade, E. R., and W. D. Sellers

Anonymous


Arganbright, K.


Arntzen, E. G., and W. R. Foley

Bachman, G. O., and H. H. Mehnert


Bailey, R. G.

Baltz, E. H., J. H. Abrahams, Jr., and W. D. Purdy

Barnes, Fairley J.
1981 Piñon-Juniper Habitat Analysis Progress Report. Submitted to Natural Resources
Division, Contract No. PX7029-0-0694, Southwest Regional Office, National Park Service, Santa Fe.


Betancourt, Julio L., and R. M. Turner


Biggs, James


Boden, D. R.


Ms. on file, Bandelier National Monument.

Bowen, Brent


Brakenridge, G. Robert


Budding, A. J., and W. D. Purtymun


Burton, B. W.


Caprio, Anthony C., Christopher M. Baisan, Peter M. Brown, and Thomas W. Swetnam

Carlson, Stanley Roland

1988 Influence of Western Harvester Ants on Vegetation and Soils in a Semi-Arid Mountain Ecosystem. Unpublished Master's thesis, Department of Biology, New Mexico State University, Las Cruces.

Carter, J. A.


Chapin, Charles E.


Christensen, Paul K.


Collins, E. W.


Conley, Walt, Robert Sivinski, and G. White

1979 Responses of Elk (Cervus elephas) and Mule Deer (Odeocoileus hemionus) to Wildfire: Changes in Utilization and Migration Patterns. Final report. New Mexico State University, Las Cruces. Submitted to National Park Service, Contract No. CX7029-7-0057, Santa Fe.

Conover, C. S., C. V. Theis, and R. L. Griggs


Cooperider, C. K., and B. A. Hendricks


Craig, C.


Crow, Howard G. II


Cully, Anne


1986 An Integrated Vegetation-Type Map Based on Two Earlier Maps, Bandelier National Monument, N.M. Ms. on file, Bandelier National Monument.

Cushman, R. L.


1978 Expanded Tree-Ring Chronologies for the Southwestern United States. Chronology, Series III. Laboratory of Tree-Ring Research, University of Arizona, Tucson.

Dick-Peddie, W. A., J. K. Meents, and R. Spellenberg

1975 Final Report to the National Park Service—Herpetofaunal Survey of Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


Dean, J. S., and W. J. Robinson


1978 Expanded Tree-Ring Chronologies for the Southwestern United States. Chronology, Series III. Laboratory of Tree-Ring Research, University of Arizona, Tucson.

Division of Natural Sciences, Southwest Region


Doell, R. R., G. B. Dalrymple, R. L. Smith, and R. A. Bailey


Drager, Dwight L.


1974 Survey of Amphibians and Reptiles in Bandelier National Monument. In Transactions of the Southwest Region National Science Conference, coordi-
Drager, Dwight L., and Richard W. Loose


Earth Environmental Consultants, Inc.

1974 Survey of Range and Ecological Conditions on a Southern Part of Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1978 Soil Survey of the Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Eberhardt, L. E., and G. C. White


Ellis, S. R.


Elson, J. W., and R. Fletcher

1989 Meadows: Current and Potential on the Jemez Mountains. Ms. in possession of authors.

Emmanuel, R. J.


Environmental Surveillance Group


Euler, R. C., G. J. Gumerman, T. N. V. Karlstrom, J. S. Dean, and R. H. Hevly


Ferenbaugh, Roger

1985 Pinyon Pine Sulfur-Dioxide Study.
Fitzsimmons, J. P.

1975 National Natural Landmark Brief--Valles Caldera. Ms. on file, Southwest Regional Office, National Park Service, Santa Fe.

Flavill, P., and W. G. Whitford


Fleisher, R.

1978 Reptiles and Amphibians of Bandelier National Monument. Ms. on file, Southwest Regional Office, National Park Service, Santa Fe.

Fletcher, Milford R.


Fletcher, Milford R., and Roland H. Wauer

1975 Feral Burro Management at Bandelier National Monument, New Mexico. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Forester, Don

1976 Downed Woody Materials Inventory for Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Foxx, Teralene S.


1992 Biological Assessment for Environmental Restoration Program, Operable Unit 1122, TA-33. Ms. on file, Los Alamos National Laboratory, Los Alamos.
Foxx, Teralene S., and Loren D. Potter

1978 Fire Ecology at Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


Foxx, Teralene S., and Gail D. Tierney


Foxx, Teralene S., Gail D. Tierney, and J. M. Williams


Freeman, C. E.

1978 Effects of the La Mesa Fire on Total Nitrogen Content of Forest Soils in Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


Fulton, James


Galusha, Ted, and John C. Blick

Gehlback, F. R., and R. R. Miller

Gleason, H. A.

Goff, F. E., and S. L. Bolivar

Golombek, Matthew P.

Gonzales, G. J.

Gonzales, G. J., R. E. Francis, and P. R. Fresquez

Gosz, James R., and Graham A. Mark

Green, Katherine A.
1979 Descriptive Models for Bandelier and Capulin Mountain: Feasibility and Utility. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Griggs, R. L., and J. D. Hem

Grunign, Randall, D. T. Hodder, C. W. Whittaker, and P. J. O’Callaghan

Guthrie, Daniel A.
1977 Impact of Feral Burros on Small Mammal Populations within Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Hakonson, T. E., J. L. Martinez, and G. C. White


Hebard, Morgan


Heiken, Grant


Hessburg, P. F., and J. S. Beatty


Hessing, Pauline

1976 Small Mammal Trapping in Upper Frijoles Canyon. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.
Hink, V. C., and R. D. Ohmart


Housley, Lucille Kempers


Huntington, Ellsworth


Jackson, Betty


Jacobi, Gerald Z.


Jacobs, B. F.


Jacobs, B. F., and E. P. Jacobs


Jarmie, Nelson, and Fran Rogers


Johnson, J. A.

1986 Spotted Owl Calling Surveys in Northern New Mexico. Submitted to New Mexico Department of Game and Fish, Santa Fe.

1989 Jemez Mountains Spotted Owl Survey and Habitat Evaluation. Ms. on file, Santa Fe National Forest, Santa Fe.


1985 The Status of the Spotted Owl in Northern New Mexico. Submitted to New Mexico Department of Game and Fish, Santa Fe.

1988b Timber Type Model of Spotted Owl Habitat in Northern New Mexico. Ms. on file, New Mexico Department of Game and Fish, Santa Fe.

Johnson, Terrell H.


1981 The Status of the Bald Eagle near Cochiti Reservoir—1981. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1982 The Status of the Bald Eagle near Cochiti Reservoir—1982. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1983a The Bald Eagle near Cochiti Reservoir—1983. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1983b Breeding Bird Surveys at Bandelier—1983. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1983c Essential Peregrine Breeding Habitat in Bandelier. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1983d Falco peregrinus in Northern New Mexico—1983. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1984 The Bald Eagle near Cochiti Reservoir—1984. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1985 The Bald Eagle near Cochiti Reservoir—1985. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1986a Effects of Reservoir Habitat Change on Wintering Bald Eagles at Cochiti Lake, Northern New Mexico. Ms. on file, National Park Service, Santa Fe.

1986b Responses of Breeding Peregrine Falcons to Human Stimuli. Submitted to USDA Forest Service, Santa Fe.


Jones, G.


Judson, C.


Kelley, Vincent C.

1948 Geology and Pumice Deposits of the Pajarito Plateau, Sandoval, Santa Fe, and Rio Arriba Counties, New Mexico. University of New Mexico, Albuquerque.


Kennedy, Patricia Lynn

1985 The Nesting Ecology of Cooper's Hawks and Northern Goshawks in the Jemez Mountains, New Mexico--1984
Results. Submitted to New Mexico Department of Game and Fish, Santa Fe.


Kennedy, P. L., and D. Crowe

1992 Nesting Ecology of the Zone-Tailed Hawk (Buteo albonotatus) in the Jemez Mountains, New Mexico: Final Report. Submitted to the New Mexico Department of Game and Fish, Contract No. 79-516.6-03, Santa Fe.

Koehler, David A.


Lajtha, K.


Langley, David


Levine, A. H., and G. Valentine


Lissoway, John D.


Mackay, W., D. Lowrie, A. Fisher, E. Mackay, F. Barnes, and D. Lowrie


Maker, H. J., J. J. Folks, and J. U. Anderson

1971 Soil Associations and Land Classification for Irrigation, Santa Fe County.
Agricultural Experiment Station, Research Report No. 185. New Mexico State University, Las Cruces.


1971 Soil Associations and Land Classification for Irrigation, Sandoval and Los Alamos Counties. Agricultural Experiment Station, Research Report No. 188. New Mexico State University, Las Cruces.

Marchiando, Patricia J.


Mark, Graham A.


Mauer, Susan, and Daniel A. Guthrie


McCord, V. A. S.


McDougall, W. B.


Meadows, S. D., and J. Salazar


Mills, C., J. Winterkamp, and N. Marusak (compilers)


Moir, W. H., and J. A. Ludwig


Morgart, John R.

1978a Biology of Feral Burros on the Santa Fe National Forest, New Mexico. Ms. on file, Natural Resources Division,
Southwest Region, National Park Service, Santa Fe.


Morgart, John R., and Robert D. Ohmart


Morrison, Joan L.


NOAA Environmental Data Service


Nyhan, J. W., L. W. Hacker, T. E. Calhoun, J. O. Carleton, Jr., and D. L. Young


Ohmart, Robert D., and Edward Bicknell

1975 Biological Report on a Burro Collection in the Bandelier National Monu-

ment, New Mexico. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Ohmart, Robert D., and Valerie Hink


Olinger, Bart


Oppenheimer, Steven J.


Osborn, Neal L.


Painter, C.

1986 Museum Holdings of Plethodon neomexicanus. Memorandum on file, New Mexico Department of Game and Fish, Santa Fe.

Patraw, Pauline

Patton, E. F.

1978a  Downed Woody Fuel Inventory Data Sheets and Map. Ms. and map on file, Bandelier National Monument.


Perkins, B., and G. L. DePoorter


Petersen, K. L.


Pilz, W. R., D. G. Sabo, and W. L. Wagner

1979  Biotic Inventory for the Proposed Baca Geothermal Project. Ms. on file, Bandelier National Monument.

Pippin, Warren F.

1977  Preliminary Check List, Arthropods of Bandelier National Monument, New Mexico. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


1984b  Arthropods Collected in Bandelier National Monument, New Mexico. Ms. on file, Southwest Regional Office, National Park Service, Santa Fe.

Platania, S. P.

1991  Fish Collections from White Rock Canyon, Summer 1990. Ms. on file, Department of Biology, University of New Mexico, Albuquerque.

Pippin, Warren F., and Barry Nichols


Potter, Loren D.


Potter, Loren D., and Scott Berger

1977 Deer-Burro Utilization and Competition Study, Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Potter, Loren D., and Teralene S. Foxx

1979a Recovery and Delayed Mortality of Ponderosa Pine after Wildfire. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1979b Success of Seeding Native Grasses after a Holocaustic Fire. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1979c Vegetational Studies at Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


1986 Reassessment of Vegetation Recovery Eight Years after the La Mesa Fire, Bandelier. Ms. on file, Bandelier National Monument.

Potter, Loren D., Teralene S. Foxx, and Fairley J. Barnes


Potter, Loren D., and R. Tierney


Public Service Company of New Mexico

1979 Environmental Analysis of the Proposed Four Corners-Ambrosia, Pajarito 500 KV Transmission Project. Public Service Company of New Mexico, Albuquerque.

Purtymun, William D.

1974 Dispersion and Movement of Tritium in a Shallow Aquifer in Mortandad
NATURAL RESOURCES REFERENCES 53

Purtymun, William D., and Howard Adams


Purtymun, William D., and J. B. Cooper


Purtymun, William D., and S. Johansen


Purtymun, William D., and William R. Kennedy


Purtymun, William D., R. J. Peters, and J. W. Jones


Ramotnik, C. A.


Raymer, Delia F.

1992 Biological Assessment for Environment-
tal Restoration Program, Operable Unit 1144, TA-49. Ms. on file, Los Alamos National Laboratory, Los Alamos.

Reneau, S. L.


Ribe, Thomas E.


Robertson, Charles W.


Robinson, William J.


Rose, Judy A.

1976 Visitor Impact Vegetation Studies, Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Rose, M. R., J. S. Dean, and W. J. Robinson

1981 The Past Climate of Arroyo Hondo as Reconstructed from Tree Rings. School of American Research Press, Santa Fe.

Ross, C. S., R. L. Smith, and R. A. Bailey


Rothman, Hal K.


Rowland, Mary M.


Rowland, M. M., C. C. White, and E. M. Karlen

Salazar, R.


Seth, McWilliams, and Seymour

Siemens, Charles T. (editor), with Lee A. Woodward and Jonathan F. Calendar (associate editors)

Simpson, E. J.
1976 Burro Enclosure Area Vegetative Analysis. Submitted to Southwest Region, National Park Service, Santa Fe.

Sivinski, Robert C.
1978 Report on Responses of Elk (*Cervus elaphus*) and Mule Deer (*Odocoileus hemionus*) to Wildfire: Changes in Utilization and Migration Patterns. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1979 Bandelier Pellet Plot Analysis for Summer 1979. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Smith, R. L., R. A. Bailey, and C. S. Ross


Soil and Water Test Laboratory
Spaulding, W. G.

1992 Late Quaternary Paleoclimates and Sources of Paleoenvironmental Data in the Vicinity of Los Alamos National Laboratory. Final report, Dames and Moore, Las Vegas. Submitted to University of California Los Alamos National Laboratory, Los Alamos.

Stearns, T. B.


Stephens, Ken


Tierney, Gail D.


1985 Ecology of Felsenmeers in New Mexico. Ms. on file, Southwest Regional Office, National Park Service, Santa Fe.

Touchan, R., and T. W. Swetnam


Travis, J. R. (compiler)


Tyrell, Karen, and Virgil Brock, Jr.


U.S. Army Corps of Engineers


U.S. Department of Agriculture, Forest Service


U.S. Department of Agriculture, Soil Conservation Service


U.S. Department of Energy


U.S. Department of Interior, National Park Service


1979a Amended Environmental Assessment: Feral Burro Management. Ms. on file, Bandelier National Monument and the Southwest Regional Office, National
Park Service, Santa Fe.

1979b Valles Caldera, New Mexico. Denver Service Center, National Park Service, Denver.


Wauer, Roland H.


1974 Feral Burro Control Program Assessment: Bandelier National Monument. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1977 A Program of Research at Bandelier National Monument—A Postscript to the La Mesa Fire. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

1978 Impacts of Feral Burros upon the Breeding Avifauna at Bandelier National Monument, New Mexico. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.


Wauer, Roland H., and John G. Dennis


Wauer, Roland H., and Terrell Johnson


Weber, William A.

1980 Lichens as Possible Monitors of Air Pollution in Bandelier National Monument, New Mexico. Final report. Submitted to Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

Wells, Stephen G., and William White

1978 Geomorphic Effects of Forest Fire Devegetation, Frijoles Canyon Watershed, Bandelier National Monument, New Mexico. Ms. on file, Natural Resources Division, Southwest Region, National Park Service, Santa Fe.

White, Gary C.


White, Gary C., and John Lissoway

1980 Research Plan for Elk in the Eastern Jemez Mountains. Los Alamos Na-


White, J. E.


White, William D.


White, William D., and Stephen G. Wells


Whitford, W. G., and J. Ludwig

1974 The Biota of Redondo Creek, Redondo Peak, Redondo Border, Alamo Canyon, Valle Seco, and San Luis Creek Areas of the Baca Ranch, Sandoval County, New Mexico. Ms. on file, Geothermal Division, Union Oil Company.

Williams, J.

1984 Initial Monitoring of Proposed Research Natural Areas. Ms. on file, Rocky Mountain Forest Range Experimental Station, Fort Collins.

Williams, J. M.


Williams, Stephen R.


Witter, Dan C.


Wright, George M.

Yasinski, F. M.

Cultural Resources References

Abbink, Emily K., and John R. Stein


Acklen, John E., Gary M. Brown, Douglas G. Campbell, Amy E. Earls, Mark E. Harlan, Stephen C. Lent, Gale McPherson, and W. Nicholas Trierweiler


Allen, Joseph W.

1967 Excavations at Twin Hills Site, Santa Fe County, New Mexico. Preliminary Report of Excavations Conducted at LA 8866, the Twin Hills Site, Museum of New Mexico Research Project 55.05. Laboratory of Anthropology Research Note No. 44. Museum of New Mexico, Santa Fe.

1972 The Pueblo Alamo Project: Archeological Salvage at the Junction of U.S. 85 and U.S. 285, South of Santa Fe, New Mexico. Laboratory of Anthropology Research Note No. 86. Museum of New Mexico, Santa Fe.

Alliot, Hector


Anonymous


1914 Excavations at Puye Ruins Late in Fall. El Palacio 3(4):84.

1915 Pueblo Las Aguajes, Situated on the Mesa about 5 Miles North of La Bajada, Excavated 1915. Report No. 1915-10-1. USDA Forest Service, Santa Fe.

1916a Archaeological Work in the Southwest. Art and Archaeology 4:343.
Anscheutz, Kurt F.

1984 An Archeological Survey of Recently Bladed Portions of Buckman Road, Santa Fe County, New Mexico. Public Service Company of New Mexico, Albuquerque.

Arnold, Charlotte


Aron, Franchon, with photos by Betty Lilienthal


Atwell, W. J.


Baker, Craig, and Joseph C. Winter (editors)


Bandelier, Adolph F.

1883 Historical Introduction to Studies Among the Sedentary Indians of New Mexico (Part I) and Report on the Ruins of the Pueblo of Pecos (Part II). Papers of the Archaeological Institute of America, American Series I. A. Williams, Boston.

Bandelier, Adolph F.

1890 Contributions to the History of the Southwest Portion of the United States. Papers of the Archaeological
Institute of America, American Series V. John Wilson and Sons, Cambridge.


Bandelier, Adolph F., and Edgar L. Hewett


Barnes, Ethne


Bauman, Gustave

1939 Frijoles Canyon Pictographs. Writers Editions, Santa Fe.

Beal, John D.


Beam, George L.


Benedict, Ruth


Bice, Richard A., and Phyllis Davis


Biella, Jan V.


64 PAJARITO BIBLIOGRAPHY


Biella, Jan V., and Richard C. Chapman


Binford, Martha R.

1979 Spatial Patterning and Content Variability in Four Historic Faunal Assemblages. In Archeological Investigations in Cochiti Reservoir, New Mexico. Volume 4. Adaptive Change in
Bousman, C. Britt, Paul Larson, and Frances Levine


Bower, Nathan W., Steve Faciszewski, Stephen Renwick, and Stewart Peckham


Bowman, Carl B.


Breternitz, David A.


Broilo, Frank J., and Jan V. Biella


Bronitsky, Gordon J.


Broome, Patricia, Hugh Davidson, and Kelly Smith


Broome, Patricia, and Ray Harriman


Brugge, David M.

Bryan, Kirk, and A. P. Butler, Jr.

Bussey, Stanley D.

Camilli, Eileen

Carter, Mary, and Allen Carter

Casaus, Abenicio

Caywood, Louis R.

Chapman, Arthur

Chapman, Kenneth
CULTURAL RESOURCES REFERENCES

1970 Pottery of San Ildefonso Pueblo. School of American Research and University of New Mexico, Albuquerque.

Chapman, Richard C.


Chapman, Richard C., and Jan V. Biella with Stanley D. Bussey (editors)


Chapman, Richard C., Jan V. Biella, Jeanne A. Schutt, James G. Enloe, Patricia J. Marchiando, et al.


Chapman, Richard C., and James G. Enloe with Emily K. Abbink, John R. Stein, and A. H. Warren

1977 Survey of Cochiti Reservoir: Methodology. In Archeological Investig-

Chapman, Richard C., and Jeanne A. Schutt


Chávez, Angelico

1957 Archives of the Archdiocese of Santa Fe. Academy of American Franciscan History, Washington, D.C.

Clary, Karen H.

1987 An Analysis of Pollen from a Suspected Agricultural Terrace from the Vicinity of LA 52320, a Late Coalition Period (A.D. 1275-1325) Archaeological Site, the Pajarito Plateau, New Mexico. Castetter Laboratory for Ethnobotanical Studies, Technical Series No. 190. Submitted to Pajarito Field House Project, University of California, Los Angeles.

Collins, Edward W.


1986 Forest Road Maintenance by Other than
Collins, Edward W., Leslie D. Hennigh, and Russ Koch


Collins, Susan M.


Condie, Carol J.


Cordell, Linda S.


Creamer, Winifred, and Jonathan Haas


Creutz, A. W., with an introduction by George West


Crown, Patricia L., Janet D. Orcutt, and Timothy A. Kohler

Submitted for publication through the Crow Canyon Archaeological Center, Cortez.

Cully, Anne C.


Cully, Jack F., Jr.


Curtain, L. S. M.


Davidson, Hugh, and Patricia Broome


Davis, Irvine


Davis, Lois M.


de Barros, Philip L. F.

1980 Ceramic Notes. Ms. on file, Pajarito Archaeological Research Project, University of California at Los Angeles, Los Angeles.


1981b Site Occupation Dates Based on Surface Collected Ceramics: Problems and Prospects. Ms. in possession of author.

de Barros, Philip L., and James N. Hill


Devereaux, Don

Devereaux, Dwight


Dickson, D. Bruce, Jr.


Dodge, Natt N., and Zorro A. Bradley


Dodge, William A.


Dougherty, Julia D.


Dougherty, Julia D., and David P. Staley


Douglas, Frederic H.


1939 Weaving of the Keres Pueblos; Weaving of the Tiwa Pueblos and Jemez. Denver Art Museum Leaflets 91:161-164.

Douglass, Amy A.


Douglass, William B.


Dozier, Edward P.

PAJARITO BIBLIOGRAPHY


DuBois, Robert L.


Dumarest, Noel

1919 Notes on Cochiti, New Mexico. Edited and translated by Elsie C. Parsons, pp. 139-236. Memoir No. 6. American Anthropological Association, Menasha, WI.

Dutton, Bertha P.

1948 New Mexico Indians, Pocket Handbook. New Mexico Association of Indian Affairs, Santa Fe.

Dwan, Edward R.


Dyreson, D. E.


Ebert, James I., and Galen Brown


Ebinger, Michael H.


Eck, David C.


1980 An Archeological Survey of the Baca Geothermal 115 KV Transmission
CULTURAL RESOURCES REFERENCES


Eninger, Susan F.

1989 Prestabilization Documentation of Rainbow House. Ms. on file, Branch of Cultural Research, National Park Service, Santa Fe.

Elliott, Michael L.


Ellis, Florence H.


1967a San Ildefonso and the Prehistoric San Ildefonsans. Report to USDIBureau of Indian Affairs, Washington, D.C.


Feemster, E. J.


Ferguson, Erna


Fisher, Reginald G.


Flynn, Leo L., and W. James Judge


Ford, Richard I.


1972 An Ecological Perspective on the East-


Ford, Richard I., Albert H. Schroeder, and Stewart L. Peckham


Fosberg, Stephen


Fosberg, Stephen, and John Husler


Fox, J. Robin


Fox, Nancy


Frank, Larry, and Francis H. Harlow

1974 Historic Pottery of the Pueblo Indians.

Fretwell, Patricia H.


1959 Final Report, Excavation of Fulton Site 190, Pajarito Plateau. Ms. on file, Museum of New Mexico, Santa Fe.

Frisbie, Theodore R., Bruce M. Moore, and Ronald H. Spielbauer


Fulton, James


Gadd, Powys


1990d Forest Road 2551 Rock Permit Area, Cultural Resources Survey, Santa Fe County, New Mexico, Española Ranger District, Santa Fe National Forest. Report No. 1990-10-76. USDA Forest Service, Santa Fe.


1991a Guaje Firelines Prescribed Burn, Literature Review and Cultural Resources Survey, Los Alamos County, New...


Gale, Gil


Garza, Patricia L.


Gauthier, Rory P.


Gauthier, Rory P., Emily Abbink, Mark Harlan, Mary Beth Lucas, and Scott Berger

1982 An Archeological Inventory Survey of Approximately 50 Miles of Transmission Line Corridor from BA Station to Norton Station, New Mexico. Report No. 3. Public Service Company of New Mexico, Albuquerque.

Goldfrank, Esther S.


Gomolak, A. R.


Greene, Edward


Guthe, Carl E.


Hackett, C. W., and C. C. Shelby


Haecker, Charles M.

1977 Obsidian Hydration Analysis [Excava-

1986 A Cultural Resources Survey above SR 4 within the San Ildefonso Pueblo Grant for NMSHD Project No. BRF-054-(3). Report No. 86-18. New Mexico State Highway Department, Santa Fe.

1988 Cultural Resources Survey of a Proposed Surfacing Pit 88-4-S Gravel Crusher Site and Channel Rerouting, San Ildefonso Pueblo, NMSHD Project WIPP-BRF-F-054-1 (3). Report No. 88-17. New Mexico State Highway Department, Santa Fe.

Hagstrum, Melissa B.


Hannaford, Charles A.

1986 Archaeology Survey of the Tierra Contenta Subdivision, Santa Fe County, New Mexico. Laboratory of Anthropology Research Note No. 356. Museum of New Mexico, Santa Fe.

Harkins, C. G.


Harlow, Francis H.


Harlow, Francis H., and John V. Young

1965 Contemporary Pueblo Indian Pottery. Museum of New Mexico Press, Santa Fe.

Harper, Allan G., Andrew R. Cordova, and Kalvero Oberg

1943 Man and Resources in the Middle Rio Grande Valley. Inter-Americana Studies II. University of New Mexico Press, Albuquerque.

Harrill, Bruce G.

CULTURAL RESOURCES REFERENCES

USDI Bureau of Indian Affairs, Albuquerque Area Office, Albuquerque.

Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harris, Arthur H.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Harrington, John P.


1919 Meanings of Old Tewa Indian Place Names Around Santa Fe. El Palacio 7:78-83.


Head, Genevieve N.


Henderson, Junius, and John Peabody Harrington


Hendron, Jerome W.


1937f The Stabilization of the Kiva in the Great Ceremonial Cave, El Rito de los Frijoles, Bandelier National Monument. Ms. on file, Bandelier National Monument.

1937g The Stabilization of the Large Kiva, Frijoles Canyon, Bandelier National Monument. Ms. on file, Bandelier National Monument.


Monuments Association, Coolidge.

1943a Frijoles Canyon, Bandelier National Monument, New Mexico. Ms. on file, Bandelier National Monument.

1943b Group M of the Cliff Dwellings, Rooms 1, 2, 3, 4 and 5, Caves 1, 2, 3, 4, Frijoles Canyon, Bandelier National Monument, New Mexico. Ms. on file, Bandelier National Monument.

1945 Potsu’i’i II, a Pueblo III Site on the Pajarito Plateau. Ms. on file, Bandelier National Monument.


Hennigh, Leslie D.


Hewett, Edgar L.


1908a Excavations at Puye in 1907. Paper No. 4. School of American Archaeology, Santa Fe.

1908b Les communautés anciennes dans le désert amercain. Recherches archéologiques sur la distribution et l’organisation sociale des anciennes popula-


1909e The Excavations at Tyuonyi, New Mexico, in 1908. Paper No. 5. School of American Archaeology, Santa Fe.


1909g The Pajaritan Culture. Paper No. 3. School of American Archaeology, Santa Fe.


Hewett, Edgar L., and Bertha P. Dutton


Hewett, Edgar L., Junius Henderson, and Wilfred W. Robbins


Hewett, Edgar L., and Wayne L. Mauzy


Hibben, Frank C.


Hill, David V.

1991a An Archaeological Survey of the Proposed Bason Land Exchange, Los Alamos County, New Mexico. The For-
1991b A Cultural Resource Inventory of the American Springs Personal Fuelwood Use Areas, Santa Fe National Forest, Española Ranger District. The Forestry Association, Glenwood, NM.

Hill, James N.

1976 Research Design—Pajarito Archaeological Research Project. Ms. on file, Department of Anthropology, University of California at Los Angeles, Los Angeles.

1977 Prehistoric Responses to Food Stress: A Test Case. Proposal to National Science Foundation, on file at Branch of Cultural Research, National Park Service, Santa Fe.


Hill, James N., and Janet D. Orcutt


Hill, James N., and W. Nicholas Trierweiler


Hill, W. W.


Holmes, W. H.


Honea, Kenneth H.


Hrdlička, Ales

1931 Catalogue of Human Crania in the United States National Museum Collec-
Hubbell, Lyndi, and Diane Traylor (editors)  

Hunter-Anderson, Rosalind  


Hyland, Justin R.  

Ice, Ronald J.  
1963 Prehistoric Land Utilization on the Pajarito Plateau. Ms. prepared for Geography 251, University of New Mexico, Albuquerque.


Irwin-Williams, Cynthia  


Irwin-Williams, Cynthia, and S. Tomkins  
1968 Excavations at En Medio Shelter, New Mexico. Contributions in Anthropology 1(2). Eastern New Mexico University, Portales.

Jackson, Earl  


Jenkins, Myra Ellen


Jicarilla Archaeological Services


Johnson, Chester R., Jr.


Johnson, Keith P.

n.d.  Site Accessibility and Site Vandalism on the Pajarito Plateau. Ms. on file, Department of Anthropology, University of California at Los Angeles, Los Angeles.

Judd, Neil M.


Kemrer, Meade, and Sandra Kemrer


Kidder, Alfred V.


Koczan, Steven A.

1990  Cultural Resources Inventory at Otowi Suspension Bridge, Santa Fe County, New Mexico State Highway and Transportation Department Project SP-(F)-054-1(203). Report No. 90-9. New Mexico State Highway Department, Santa Fe.

Kohler, Timothy A. (editor)


Kohler, Timothy A., Peter J. Mehringer, Richard H. Hevly, and Robert P. Powers

1989  Developing Long-Term Perspectives on Colonization, Population Growth and

Kohler, Timothy A., and Matthew J. Root (editors)


LaFree, Betty


Lambert, Marjory F.

1967 Excavations at Twin Hills Site, Santa Fe County, New Mexico: A Preliminary Report of Research Conducted at LA 8866, Project 55.05, During June 6th-26th, 1967. Laboratory of Anthropology Research Note No. 45. Museum of New Mexico, Santa Fe.

Lang, Richard W.

1977 The Prehistoric Pueblo Cultural Sequence in the Northern Rio Grande. Paper presented at the 50th Pecos Conference, Pecos, NM.


Lang, Richard W., and Cherie L. Schieck

1989 Limited Excavations at LA 2, the Agua Fria Schoolhouse Site, Agua Fria Village, Santa Fe County, New Mexico. Research Series No. 216. Southwest Archaeological Consultants, Santa Fe.


Lange, Charles H.


1950b Notes on the Use of Turkeys by Pueblo Indians. El Palacio 57:204-209.

1951 Report on Anthropological Investigations in the Cochiti Region of New Mexico. Ms. on file, Department of Anthropology, Southern Illinois Uni-


1959 *Cochiti: A New Mexico Pueblo Past and Present*, University of Texas Press, Austin.

1961 Cochiti Reservation—Ranchos de la Cañada—Bandelier National Monument: Check List of Catalog and Archaeological Site Numbers. Ms. on file, Department of Anthropology, Southern Illinois University, Carbondale.


Lange, Charles H., and Carroll L. Riley


Lange, Charles H., and Carroll L. Riley, with the assistance of Elizabeth M. Lange


Lange, Charles H., Carroll L. Riley, and Elizabeth M. Lange


Larson, Beverly M.

1986 *Meteorological Tower, Frijoles Mesa,*


Larson, Beverly M., and Ellen D. McGehee


Larson, Thomas K., Dori M. Penny, Ross G. Helmar, and Paul H. Sanders


Laumbach, Karl W., Toni Sudar-Murphy, Betty J. Naylor, and Shirley A. Rorex


Lawrence, Robert, and Cheryl Muceus


Leach, Melinda

n.d. Population Growth and Subsistence Change in the Northern-Middle Rio Grande Region of New Mexico. Ms. on file, Pajarito Archaeological Research Project, University of California at Los
CULTURAL RESOURCES REFERENCES

Lent, Stephen C., Mark E. Harlan, and Gale McPherson

1986 Preliminary Results of an Archaeological Survey in the Jemez Mountains of New Mexico for the Public Service Company of New Mexico Ojo Line Extension Project. Public Service Company of New Mexico, Albuquerque.

Lent, Stephen C., and Randall Schalk


Lister, Robert H.


1940c Stabilization of Cave Ruins, 1940, Bandelier National Monument. Ms. on file, Bandelier National Monument.

1940d Stabilization of Frijoles Cave Ruins, Bandelier National Monument. Ms. on file, Bandelier National Monument.

Lucas, Larry C.


Lummis, Charles F.


MacHarg, J. B.


Marriot, Alice


Mathien, Frances Joan

1986 Background Archeological Research, Bandelier Survey Project. Ms. on file, Bandelier National Monument and Branch of Cultural Research, National Park Service, Santa Fe.
PAJARITO BIBLIOGRAPHY


1991b Sylvanus G. Morley’s 1908 Field Notes on Work at the Rito de los Frijoles. Ms. on file, Branch of Cultural Research, National Park Service, Santa Fe.

Maxon, James C.


McCrary, Oliver

1983 An Archaeological Survey along Forest Service Road 24, Tesuque Ranger District, Santa Fe National Forest, Santa Fe County, New Mexico. Report No. 105. School of American Research, Santa Fe.

McGehee, Ellen D.


McGehee, Ellen D., Timothy L. Binzen, Michael D. Hannaford, and Kari L. Munz


McGehee, Ellen D., and Beverly M. Larson

CULTURAL RESOURCES REFERENCES 91


McGehee, Ellen D., and Kari L. Munz


McGehee, Ellen D., and Michael A. Schillaci


McKean, S.


McKenna, Peter J.

1986 A Preliminary Assessment and Inventory of Lange's Cochiti Project and Bandelier Survey Collections. Ms. on file, Branch of Cultural Research, National Park Service, Santa Fe.

McKenna, Peter J., and Judy Miles


McKenna, Peter J., and Robert P. Powers, with an appendix by Carl J. Phagen


McNutt, Charles H.


Mera, H. P.

1932 Wares Ancestral to Tewa Polychrome. Laboratory of Anthropology, Technical Series, Bulletin No. 4. Museum of New Mexico, Santa Fe.


1934 A Survey of the Biscuit Ware Area, in Northern New Mexico. Laboratory of Anthropology, Technical Series, Bulletin No. 6. Museum of New Mexico, Santa Fe.


1940 Population Change in the Rio Grande Glaze-Paint Area. Laboratory of Anthropology, Technical Series, Bulletin
No. 9. Museum of New Mexico, Santa Fe.

Miller, Jay


Montgomery, Arthur


Moonwalker, Tu


Moore, Bruce M.

1972 Cañada de Cochiti Grant—Southern Illinois University. Ms. on file, Museum of New Mexico, Santa Fe.


Moore, James L.


Moore, James L., and Daisy F. Levine

1987 An Archaeological Survey of Proposed Adjustments, Realignments to State Road 4, Santa Fe County, New Mexico. Laboratory of Anthropology Research Section Note No. 408. Museum of New Mexico, Santa Fe.

Moore, Roger A.


Morain, Stanley A., Michael White, and Amelia Komarek


Morley, Sylvanus G.


1910c The South House, Puye, New Mexico. Paper No. 7. School of American Archaeology, Santa Fe.


Muces, Cheryl L.

1984 Sawyer Timber Sale Monitoring. Re-
port No. 1982-10-36E. USDA Forest Service, Santa Fe.

Muceus, Cheryl L., and Michael L. Elliott


Museum of New Mexico

1966 Rio Grande Glazes: Eighth Southwestern Ceramic Seminar. Ms. on file, Museum of New Mexico, Santa Fe.

Neff, Loy C.


Nelson, Nels C.


n.d.a Excavations at Koyiti, Pueblo Cañada and Kuapa. Field notes on file, Museum of New Mexico, Santa Fe.

n.d.b Excavations at Los Aguajes. Field notes on file, Museum of New Mexico, Santa Fe.

Nembrin, Juan Carlos


Newman, Jay R., and Roger L. Nielsen


Odegaard, L. A.


Olinger, Bart


Onstott, Thomas B.


Orcutt, Janet D.


Orcutt, Janet D., and James N. Hill

1981 Report on Archaeological Investi-
CULTURAL RESOURCES REFERENCES

Orcutt, Janet D., and Robert P. Powers


Ortiz, Alfonso


Parsons, Elsie C.

1929 The Social Organization of the Tewa of New Mexico. Memoir No. 36. American Anthropological Association, Menasha, WI.


1940 Relations Between Ethnology and Archaeology in the Southwest. American Antiquity 5:214-220.

Peckham, Stewart L.

1966 Archaeological Salvage Excavations in the Vicinity of the Proposed Cochiti Dam: 1965 Season. Ms. on file, Museum of New Mexico, Santa Fe.


Peckham, Stewart L., and Susan L. Wells

1967 An Inventory of Archaeological Sites at and in the Vicinities of Bandelier National Monument and the Cochiti Dam and Reservoir, New Mexico. Report compiled for the National Park Service, Southwest Archeological Center, Santa Fe. Laboratory of Anthropology Note No. 80F. Museum of New Mexico, Santa Fe.

Perkins, Elaine

n.d. Game Pits. Ms. on file, Los Alamos County Historical Museum, Los Alamos.

Plog, Fred


Poore, Anne V.


Powell, J. W.


Powers, Margaret A.


Powers, Robert P.


Powers, Robert P., and Janet D. Orcutt


Preucel, Robert W.


1986a The Pajarito Field House Project. Archaeology at UCLA 2(19).

of the Society for American Archaeology, New Orleans.


Preucel, Robert W., W. Nicholas Trierweiler, and Beverly M. Larson


Prince, L. Bradford

1903 The Stone Lions of Cochiti. Publication No. 4. Historical Society of New Mexico, Santa Fe.


Raish, Carol


1991c Road Closures, Timber Harvest, and Meadow Management in the Dome Diversity Unit, Cultural Resources Report, Jemez Ranger District, Santa Fe
Raish, Carol, and Dennis Trujillo


Ramage, E. Ann


Reed, Erik K.


1951a Cultural Areas of the Pre-Spanish Southwest. New Mexico Quarterly 21(4):428-439.


Reed, Lori S.


Reed, Paul Francis


Reiter, Paul


1940  The Stone Lions of Cochiti and Zuni. Region III Quarterly 1.1. National Park Service, Santa Fe.


Renaud, E. B.

1938  The Snake Among the Petroglyphs
from North Central New Mexico. Southwestern Lore 4(3):42.

Revitte, Marian


Richert, Roland


Robbins, Wilfred W., John P. Harrington, and Barbara Freire-Marreco


Robinson, William J., John W. Hannah, and Bruce G. Harrill

1972 Tree-Ring Dates from New Mexico I. O. U. Central Rio Grande Area. Laboratory of Tree-Ring Research, University of Arizona, Tucson.

Rodgers, James B., Linda J. Smith, and Marsha A. Moore


Rogers, Alan, and W. J. Chasko, Jr.


Rohn, Arthur H.


Ronald, C., and Jill E. Sall


Rose, Martin R., William J. Robinson, and Jeffrey S. Dean

1982 Dendroclimatic Reconstruction for the Southeastern Colorado Plateau. Laboratory of Tree-Ring Research, University of Arizona, Tucson. Submitted to Division of Chaco Research, National Park Service, Albuquerque.

Rothman, H. K.

1989 Industrial Values and Marginal Land: Cultural and Environmental Change on the Pajarito Plateau. New Mexico Historical Review 64(2):185-211.

Rowlett, Ralph M., and Sissel Johannessen

1990 Appendix G. Thermoluminescence Response Interference from the La Mesa Fire, Bandelier National Monument. In The 1977 La Mesa Fire Study: An Investigation of Fire and Fire Suppression Impact on Cultural

Russell, Glenn S.


1981a Obsidian Hydration Dating on the Pajarito Plateau, New Mexico: A Regional Application Using Surface Collections. Ms. on file, Department of Anthropology, University of California at Los Angeles, Los Angeles.


Schaafsma, Polly, and Curtis F. Schaafsma


Schmader, Matt


Schroeder, Albert H.


1984 The Tewa Indians of the Rio Grande and Their Neighbors—A.D. 1450-1680. In New Mexico Geological So-
CULTURAL RESOURCES REFERENCES

Schutt, Jeanne A.

1977 Bone and Antler Analysis [Excavation of Twenty-Seven Sites in the Perman­
ent Pool of Cochiti Reservoir]. In Archeological Investigations in Cochiti Reservoir, New Mexico. Volume 2. Excavation and Analysis, 1975 Sea­
tract Archeology, University of New Mexico, Albuquerque.


1984 Cultural Resources Survey of a Mountain States Telephone and Telegraph Co. Cable Right-of-Way near La Bajada and Buckman. Office of Con­
tact Archeology, University of New Mexico, Albuquerque.

Scott, Linda J.

1982 Pollen Analysis of an Archaic Camp­
site (AR-03-10-08-422) in Los Alamos County, New Mexico. Report No.1978-10-31F. USDA Forest Service, Santa Fe.


Shepard, Anna O.


Smiley, Terah L.

Smiley, Terah L., Stanley A. Stubbs, and Bryant Bannister

1953 A Foundation for the Dating of Some Late Archeological Sites in the Northern Rio Grande Area, New Mexico, Based on Studies in Tree-Ring Methods and Pottery Analysis. Laboratory of Tree-Ring Research Bulletin No. 6. University of Arizona Bulletin 24(3). Tucson.

Smith, Landon D.


Smith, Landon D., and Ed Collins


Smith, Landon D., Edward W. Collins, and Michael Elliott


Snead, J. E.


Snow, Cordelia Thomas


Snow, David H.

1970a An Inventory of Archeological Sites
on Lands Leased by the California City Development Company, Cochiti Pueblo Grant, Sandoval County, New Mexico. Ms. on file, Museum of New Mexico, Santa Fe.

1970b An Inventory of Archeological Sites on Lands Leased by the Great Western United Corporation: 1970 Season. Laboratory of Anthropology Research Note No. 80B. Museum of New Mexico, Santa Fe.


1972a A Report on the Impact of Cochiti Dam on the Archaeological Resources of the Cochiti Area, New Mexico. Laboratory of Anthropology Research Note No. 80E. Museum of New Mexico, Santa Fe.

1972b USDA Forest Service Recreation Survey. Ms. on file, Museum of New Mexico, Santa Fe.

1973a Cochiti Dam Salvage Project: Archaeological Excavation at the Torreon Site, LA 6172, Cochiti Dam, New Mexico. Laboratory of Anthropology Research Note No. 76. Museum of New Mexico, Santa Fe.

1973b Cochiti Dam Salvage Project: Archaeological Excavation of the Las Majadas Site, LA 591, Cochiti Dam, New Mexico. Laboratory of Anthropology Research Note No. 75. Museum of New Mexico, Santa Fe.

1973c Cochiti Dam Salvage Project: Archaeological Investigations at LA 8720.


1982a Archeological Survey of Mortendad Canyon. Laboratory of Anthropology Research Note No. 362. Museum of New Mexico, Santa Fe.

Spear, Laurence M.


Springer, Frank


Stallings, W. S.


Starr, Frederick


Steen, Charlie R.


Los Alamos National Laboratory, Los Alamos.

Steffen, A.


Stehli, Irene


Stein, John R., with revisions by David E. Stuart


Stephenson, Catherine D.


Stephenson, C. E.


Stevenson, James


1886 Ancient Habitations of the Southwest.

Stone, Tammy


Stuart, David E.


Stuart, David E., and Rory P. Gauthier

1981 Prehistoric New Mexico: Background for Survey. New Mexico State Planning Division, Santa Fe.

Stubbs, Stanley


Stubbs, Stanley A., and W. S. Stallings, Jr.

1953 The Excavation of Pindi Pueblo, New Mexico. Monograph No. 18. Laboratory of Anthropology and School of American Research, Santa Fe.

Sudar-Murphy, Toni, and Karl W. Lumbach with Dabney A. Ford


Thompson, J. R.


Thompson, Ray


Tichy, Marjorie F.


CULTURAL RESOURCES REFERENCES 107

Tierney, Gail D.


Toll, H. Wolcott


Toll, H. Wolcott, with contributions by Peter J. McKenna and June Crowder


Trager, George L.


Traylor, Diane


Traylor, Diane, Lyndi Hubbell, Nancy Wood, and Barbara Fiedler


Trask, Lance K.


Trembour, Fred W.

1990  Appendix F. A Hydration Study of Obsidian Artifacts, Burnt vs. Unburnt,
108 PAJARITO BIBLIOGRAPHY


Trierweiler, W. Nicholas


Trierweiler, W. Nicholas, Janet D. Orcutt, and James N. Hill


Turney, John Francis


Turney, William F.


Ungnade, Herbert E.


VanCamp, Cathy


1986a Forest Road 2550 Periodic Mainte-
CULTURAL RESOURCES REFERENCES

1980-10-51. USDA Forest Service, Santa Fe.


Viklund, Lonyta R.

110 PAJARITO BIBLIOGRAPHY


Vint, James M.

Vivian, R. Gordon

Walsh, Michael R.
n.d. From Sherds to Pots: Deriving the Volumes of Broken Vessels. Ms. in possession of author.

Walsh, Michael R., James N. Hill, and Landon D. Smith

Walsh, Michael R., Janet D. Orcutt, and James N. Hill

Walter, Katherine A.

Walter, Paul A. F.

Warren, A. Helene
1966 Petrographic Notes on Lithic Materials in the Cochiti Area, New Mexico. Laboratory of Anthropology Research Notes Nos. 91-93. Museum of New Mexico, Santa Fe.

1967 The Pottery of the Torreon Site, Cochiti Dam, New Mexico. Laboratory of Anthropology Research Note No. 76A. Museum of New Mexico, Santa Fe.


1969 Notes on the Geology of the Twin Hills Site, Santa Fe County, New Mexico. Laboratory of Anthropology Research Note No. 46. Museum of New Mexico, Santa Fe.


New Mexico. Laboratory of Anthropology Research Note No. 90. Museum of New Mexico, Santa Fe.


1974c The Pottery and Mineral Resources of Pueblo del Encierrro and the Cochiti Area. Laboratory of Anthropology Research Note No. 98. Museum of New Mexico, Santa Fe.


n.d. Notes on Ceramic Temper Analysis for Saltbush Pueblo. Ms. on file, Museum of New Mexico, Laboratory of Anthropology, Santa Fe.

Wellman, Klaus F.


Wendorf, Fred


Wendorf, Fred, and John P. Miller


Wendorf, Fred, and Erik K. Reed


West, George G.


Wetterstrom, Wilma E.


Whatley, William J.


White, Joseph Courtney


White, Leslie A.

1930 A Comparative Study of Keresan Medi-
CULTURAL RESOURCES REFERENCES 113


1943 Punche: Tobacco in New Mexico History. New Mexico Historical Review 18:386-393.


Whitman, William


Wilson, Lucy L. W.


1916b A Prehistoric Anthropomorphic Figure from the Rio Grande Basin. American Anthropologist 18:548-551.

1917 This Year’s Work at Otowi. El Palacio 4(4):87.


1918b Three Years at Otowi. El Palacio 5(18):290-295.

Winner, Daniel E.


Winter, Joseph C.


Wiseman, Regge N.


1983 A Cultural Resources Clearance Inventory of the Proposed Buckman Wells
PAJARITO BIBLIOGRAPHY

Project, Santa Fe County, New Mexico. Laboratory of Anthropology Research Note No. 335A. Museum of New Mexico, Santa Fe.

1987 Archaeological Survey at the White Rock Y. Laboratory of Anthropology Research Note No. 398. Museum of New Mexico, Santa Fe.

Wissler, Clark


Wittfogel, Karl, and Esther Goldfrank


Wobbenhorst, Jan, John Hunter, and W. McKibben


Wohlberg, Margaret


Wolfman, Daniel, and Adisa Willmer


Worman, Frederick C. V.


Worman, Frederick C. V., and Charlie R. Steen


Yarnell, Richard A.


1965 Implications of Distinctive Flora on
Young, Dwight S.


1954b Yearly Report on LA 170 Cave Site. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe.
Other References

Albes, Edward


Altherr, Thomas L.


Anonymous

1900 An Ancient Stone City Discovered in New Mexico. Scientific American 83:92.


1918a [In the Field] Camp at Otowi. El Palacio 5(21):350.


1920b To the Bandelier National Monument. El Palacio 8(5-6):114-121.


118 PAJARITO BIBLIOGRAPHY


1964 The Trail to Frijoles Ruins. Southwestern Monuments Association, Globe, AZ.


Austin, Mary


Bandelier, Adolph F.


Barnes, W. C.


Bartlett, A. Eugene

1925 Least Known America. Revell, New York.

Boniface, Marjorie G.


Calvin, Ross


Cameron, John J.


Chapin, F. H.

1892 The Land of the Cliff Dwellers. W. B. Clark, Boston.

Chauvenet, Beatrice


Church, F. S., and P. P. Church


Church, Peggy P.


Crawford, Robert P.

D’Emery, Charles

Dixon, Winifred H.

Dunn, Hedy

Dutton, Bertha P.

Ellis, Florence H.

Enock, C. Reginald

Estabrook, Emma F.

Everitt, Charles P.

Faris, John T.

Field, Harry
n.d. The Account of a Trip Made to Bandelier, New Mexico, Vicinity in 1900. Ms. in archives, Bandelier National Monument.

Forrest, Earl R.

Fowler, Don D.

Foxx, Teralene S., and Gail D. Tierney
LA-8050- NERP. Los Alamos National Laboratory, Los Alamos.

Frey, Evelyn, and Peggy P. Church

Frothingham, Robert

Goad, Edgar F.

Grubbs, Frank H.

Hall, D. J.

Harris, Hugh H.


Hawkins, David

Hendron, Jerome W.

Hewett, Edgar L.

1907-17 Organic Acts and Administrative Reports of the School of American Archaeology. Archaeological Institute of America, Santa Fe.

1916 The Proposed National Park of the Cliff Cities. Paper No. 34, School of American Archaeology. Archaeological Institute of America, Santa Fe.

1929 Preservation of the Scientific Re-

1943b From Cave Dwelling to Mount Olympus. University of New Mexico Press, Albuquerque.

1946 Two Score Years. University of New Mexico Press, Albuquerque.

Higgins, Charles A.


Hinsley, Curtis M., Jr.


Hoard, Dorothy


Hobbs, Hulda R.


Hodge, Frederick W.


Hoffman, Linda

1980 Bandelier: The Man, the Monument. A Compiled Bibliography. Ms. on file, Division of Natural Resources, Southwest Regional Office, National Park Service, Santa Fe.

Ickes, Anna Wilmarth


Jackson, Earl


James, George W.


Jones, Hester


Kailer, Pat


Kane, J. F.


Kinetka, James W.


King, Dale S., et al.


Kircher, Joseph C.


Laut, Agnes C.


1913b Why Go Abroad? *Sunset* 30:156-164 (Feb.) and 243-249 (Mar.).

Leonard, Olen E.


Little, Louise M.


Lummis, Charles F.

Lyon, Fern, and Jacob Evans (editors and annotators)


Mankin, J. D.


May, Peter


McDougall, W. B.


Mitchell, Guy Elliott


Munk, Joseph A.


Nelson, Ethelyn G.

1917  Camp Life in New Mexico. Natural History 17:103-114.

Noll, Arthur H.


Nusbaum, Jesse L., M. R. Tillotson, and Roger M. Toll


Paxton, Hugh C.


Peet, Stephen D.


Peixotto, Ernest


Pettitt, Roland A.

1972  Los Alamos Before the Dawn. Paja-
rito Publications, Los Alamos.

Powell, E. Alexander


Prince, L. Bradford

1912 New Mexico, the New State. Sunset 28:683-695.

Prudden, T. Mitchell


Quinn, Vernon


Radin, Paul


Raphael, Toby, Bush Kent, and Dave Brugge

1980 Collection Management Plan, Bandelier National Monument. Ms. on file, Harpers Ferry Center, Harpers Ferry, WV.

Robinson, Will H.


Rose, Robert L.


Rothman, Hal


1989 Industrial Values and Marginal Lands: Cultural and Environmental Change on the Pajarito Plateau. New Mexico Historical Review 64(2):185-211.

n.d. A Cultural and Environmental History of Los Alamos, New Mexico, Area Since 1880. Ms. in possession of author.

Saunders, Charles Francis

1918 The Upper Rio Grande: Its Pueblos

Savage, J., and B. Storms

1965 Reach to the Unknown. Los Alamos Scientific Laboratory, Los Alamos.

Sherman, James E., and Barbara H. Sherman


Shinn, Charles H.


Simmons, Marc

1977 The One-Man Expedition. The Reporter, October 20, p. 7. Santa Fe.

Steen, Charlie R.


Stocking, George W., Jr.


Talman, Cyrus F.


Trego, Frank H.


Trowbridge, Lydia J.


Truslow, Edith C.


Truslow, Edith C., and Ralph C. Smith


Twitchell, Ralph E.

1911 Bandelier National Monument. In The Leading Facts of New Mexico

U.S. Army Corps of Engineers


U.S. Department of Interior, National Park Service


Wallace, George F.


1930 Decentralization Program of the Museum of New Mexico. El Palacio 29(4-10):131-141.

1932 Twenty-five Years of Achievement. Paper No. 24. School of American Research, Santa Fe.

Underhill, Ruth


Underwood, John C.


University Analytical Center, University of Arizona


Von der Lippe, George M., and Edward J. Widmer


Walter, Paul A. F.


1930 Decentralization Program of the Museum of New Mexico. El Palacio 29(4-10):131-141.

1932 Twenty-five Years of Achievement. Paper No. 24. School of American Research, Santa Fe.

Wesolowski, L. V.

1981 Native American Land Use along

White, Leslie A. (editor)  

White, Leslie A., and Ignacio Bernal  
1960 Correspondencia de Adolfo F. Bandelier. Instituto Nacional de Antropología y Historia, Mexico City.

Wing, Kittridge A.  

Yard, Robert S.  
## APPENDIX A.

### Correlation of Site Names and LA Numbers

<table>
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<tr>
<th>Common Name</th>
<th>LA Number</th>
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<tbody>
<tr>
<td>Big Kiva east of Tyuonyi</td>
<td>LA 77722</td>
</tr>
<tr>
<td>Ceremonial Cave</td>
<td>LA 13663</td>
</tr>
<tr>
<td>Cueva Pintada (Painted Cave)</td>
<td>LA 13662</td>
</tr>
<tr>
<td>Frijoles Cave (see Long House, Talus House, etc.)</td>
<td></td>
</tr>
<tr>
<td>Frijolito Ruin</td>
<td>LA 78</td>
</tr>
<tr>
<td>Fulton’s Site 190</td>
<td>LA 8681</td>
</tr>
<tr>
<td>Group D - Long House</td>
<td>LA 13665</td>
</tr>
<tr>
<td>Group E - Talus House</td>
<td>LA 13664A</td>
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<tr>
<td>Group M</td>
<td>LA 13664D</td>
</tr>
<tr>
<td>Koyiti (Old Cochiti)</td>
<td>LA 295</td>
</tr>
<tr>
<td>Kuapa</td>
<td>LA 3444</td>
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<td>Lions in the Potrero de los Idolas</td>
<td>LA 50977</td>
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<td>Little Otowi</td>
<td>LA 32, 2774</td>
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<td>Long House (Group D)</td>
<td>LA 13665</td>
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<tr>
<td>Old Cochiti (Koyiti)</td>
<td>LA 295</td>
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<tr>
<td>Otowi (see also Potsui’i)</td>
<td>LA 169</td>
</tr>
<tr>
<td>Painted Cave</td>
<td>LA 13662</td>
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<tr>
<td>Potsui’i (see also Otowi)</td>
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<td>Potsui’i II</td>
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<td>Pueblo Cañada</td>
<td>LA 35</td>
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<td>Puye</td>
<td>LA 47</td>
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<td>Rainbow House</td>
<td>LA 217</td>
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<td>R.V. 45</td>
<td>LA 3842</td>
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<td>R.V. 128</td>
<td>LA 207</td>
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<td>San Miguel</td>
<td>LA 370</td>
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<td>Shufinne</td>
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<td>Stone Lions Shrine</td>
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<td>Talus House (Group E)</td>
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<td>Tsankawi</td>
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<td>Tsirege (and Tsirege Cave)</td>
<td>LA 170</td>
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<td>Tyuonyi</td>
<td>LA 82</td>
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