

FRIENDS OF BANDELIER

A N N U A L R E P O R T ■ 1 9 9 1

Major projects for this year included:

WSU Archaeological Excavations:

\$5,850

Ecological Assistant:

\$4,000

NPS Archaeological Survey:

\$2,000

Native Crafts Demonstrations:

\$493

In addition, we were the fiscal agent for a grant from the New Mexico Arts Division for **\$4992.00**. Actual expenditures on the grant were **\$4996.97**. ■

Archaeology

Archaeological field work at Bandelier ended this year. The Washington State University excavations and the National Park Service surface survey furnished an inventory of resources in the monument. Now that data are collected, the interesting work begins for Tim Kohler of WSU and Bob Powers of NPS. They hope to determine lifestyles and survival strategies of the prehistoric Indians. Both are excited about plans to use their data in conjunction with more exotic data such as remote sensing information from satellites. The Friends do not anticipate being involved in these academic studies, but we have asked both Tim and

Bob to keep us informed of their findings.

Superintendent Weaver requested \$3850 from the Friends to help fund the WSU excavations. At the end of the season he asked for an additional \$2000 to help fund the WSU report. He also requested an additional \$2000 to help complete a final two-week field session of the NPS survey. Bob Powers originally projected surveying 49% of Bandelier. Several factors, including the unexpected amount of archaeological material in the back country, reduced the area to about 42% of the monument. ■

Environment

As one chapter in our association with the monument closed, a second opened. Ecologists need to be able to measure degradation of the environment in response to such things as global warming and ozone depletion. Our National Parks are ideal for that purpose since they are kept in a natural condition. This year Superintendent Weaver asked us to help fund an assistant for staff ecologist Craig Allen. As you can read in Craig's report, our investment in Jim McGrath was well spent. The data he collected will not only be used to improve the Bandelier ecology, but also will be sent to a national database of country-wide studies.

We did not fund any improvements for handicapped access this year. Automatic door openers for the Visitor Center were next on the list when we ran out of money. (The Friends cannot allocate money we do not have.) Superintendent Weaver assures us that they must accomplish many handicapped projects in the near future.

This year Senator Domenici took a personal interest in Bandelier. As part of a challenge from KOB-TV, he starred in a series called "Loved to Death," about heavy use of our public lands. He acted as reporter in Bandelier, discussing principally the overcrowding in Frijoles Canyon. He also attended the building of the batwalk ceremony at Long House sponsored by Los Alamos Pride Committee as part of their "Take Pride in America" campaign. In September Senator Domenici got a special request through Congress for \$200,000 to fund a study to alleviate crowding in Frijoles Canyon. Senator Domenici is a Friend worth having. ■

Native Crafts

In 1978 Bandelier established the Cultural Awareness Program at the monument. Under this program Native American artists and craftspersons demonstrate their skills in a special booth at the Visitor Center. In an effort to in-

crease the value of these demonstrations, Visitor Center Supervisor Andrea Sharon was awarded a grant from the New Mexico Arts Division Office of Cultural Affairs. In addition to funding the demonstrations in the summer of 1991, the grant funded training sessions for interpretive rangers. Subjects included history and development of the crafts and their importance in today's pueblo culture. The training sessions were videotaped for future use. These rangers became "presenters" in one-hour programs during the craftperson's two-day demonstration. The presentations were videotaped for training, educational outreach to area schools, and for archival purposes. In addition, program notes were developed both for distribution and for archival use. This program was successfully concluded in September 1991.

Andrea was awarded a second grant for 1992. In addition to funding the artists once again, this grant funds ten days of demonstrations by craftspeople for school tours that come to Bandelier. ■

News of the Friends

This year Ed Greene, Chief of Interpretation left Bandelier to become Chief of Visitor Services at Carlsbad. Ed was instrumental in establishing the Friends as an organization and remained our liaison until his departure. His successor is Al Seidenkranz, a 26-year veteran of the National Park Service. His previous position was at St Croix National Scenic Riverway in Wisconsin. Ed is a dynamic indi-

vidual with many innovative ideas. Al is more relaxed. He is impressed with the professionalism and creativity of his staff and sees his role as providing a well-run and supportive administration.

Our new member of the Board of Trustees, Sherry Bishop, brings energy and commitment both to Bandelier and to the environment. Sherry and her husband John are owners of Bandelier Environmental Papers, specializing in recycled fine paper products. They do business world-wide and recently attended a trade fair in Japan. Sherry brings a new perspective and new communication skills to the board.

Here is how we met Sherry. One day I received a letter saying she wanted to help Bandelier. I invited her to a board meeting. She saw a need and has come ever since. ■

Special Nightwalks

To help boost our low bank account, the board and members of the park staff held special fundraising Nightwalks in Frijoles Canyon. These originated in Santa Fe and included bussing to the monument. A ranger joined the bus at Tsankawi to give an orientation to Bandelier. The evening included dinner in the canyon and a night walk through Tyuonyi Ruin. We scheduled four walks; the last two were sold out. We expected to tap the tourist trade in Santa Fe, but analysis revealed most nightwalkers were local people. Ages ranged from young adults to senior citizens. Word-of-mouth was the most effec-

tive advertising. The nightwalks generated a net profit of about \$1200 for the Friends.

The success of these nightwalks was due to cooperative efforts between the Friends committee Sherry Bishop, Jack Konopak and Gloria Sawtell, and Bandelier staff Andrea Sharon and Chris Judson. Mr. and Mrs. Fred French, concessionaires for the monument, provided memorable chuck-wagon dinners. We heard many favorable comments. The board has voted to offer a second series of Nightwalks next summer. ■

Special Thanks

(in alphabetical order)

Nightwalkers—**Sherry, Jack, Glo, Andrea, Chris, Mr. and Mrs. French**

Harriet Kelley—bookmaker. Harriet donated copies of her handmade book "Bandelier Burning" to the Friends, available at Ojo de Dios Books. All proceeds come to the Friends.

Andi Kron—Design and Layout. Andi not only does the layouts for our mailings, but also edits my text for comprehensibility.

Betty Lilienthal—mailing. This is a real headache. The Post Office has rigorous requirements for bulk mailings.

Bart Olinger—membership database. Bart also works full time as a physicist, is president of the Los Alamos Historical Society, does research on trace elements in Indian pottery, and helps his wife, board member **Colleen**, run their Ojo de Dios Bookstore. I don't know what

he does in his spare time.

Laura Reynolds—Treasurer. Los Alamos National Bank lets us use their copier and donates white paper for our mailings, but Laura does the WORK, usually on short notice after hours. ■

In Memoriam

Our thanks to the following people who in 1991 remembered the Friends in time of sadness:

In memory of Bruce Wackerle

Becky and Ben Diven
Mary Diven

In memory of Tom McGreevy

Becky and Ben Diven

In memory of Albro Rile

Becky and Ben Diven

In memory of Bernice Burkhardt

Becky and Ben Diven

In memory of Mrs. Watson

mother of Betty Dominic

Becky and Ben Diven

In memory of Charlotte Cole

Lora Belle Cole

Julie Grilly

Jim and Betty Lilienthal

Emma Lou and John Young

In memory of Lucy Liechty

Joan Smith-Lawrence

A happy occasion was commemorated by the gifts we received to honor the marriage of **Catherine Smith and Douglas Thayer** from:

Ann Bancroft
Elizabeth Fuller
William Hughes
Ann C. McCarthy
Marilyn Thayer
Ingrid Vollnhofer

Board of Trustees

The Friends of Bandelier is a non-profit 501(c)(3) corporation. All business of the Friends is conducted by a Board of Trustees, currently ten members. Place of business is Los Alamos, the nearest community to Bandelier National Monument. The board meets a minimum of three times per year, in February, June, and October. Other meetings are scheduled as needed. Principal allocations of grants for the year are made at the February meeting. Although we do not give public announcements of these meetings, we invite any interested member to attend.

All grants are made at the request of the Superintendent of Bandelier National Monument. The board strives to keep expenses of the Friends to a minimum. These are primarily postage and paper goods. All fund-raising events are self-supporting.

For those of you who like statistics, total membership is 470:

53% from Los Alamos
21% from Santa Fe
9% from Albuquerque
12% from out-of-state.

The remainder are scattered about New Mexico. Each one of you is

special to us. We value your support and welcome your comments.

From all the board, we wish you happy holidays and the very best New Year.

Dorothy Hoard

President

Board of Trustees



Board of Trustees

Sheryl Bishop, Santa Fe
Fletcher Catron, Santa Fe
Saul Cohen, Santa Fe
Dorothy Hoard, Los Alamos
John Konopak, Nambé
Colleen Olinger, Jaconita
Laura Reynolds, Los Alamos
Gloria Sawtell, Santa Fe
Paul Smith, Los Alamos
John Talley, Santa Fe



Our thanks and gratitude once again to **Los Alamos National Bank** for use of their copier and personnel to bring our Annual Report to you.

Design and production by Andi Kron

FRIENDS OF BANDELIER ANNUAL FINANCIAL REPORT

October 1, 1990 to September 30, 1991

Income:

Cash Balance Forward as of September 30, 1990	\$ 9,796.49
Interest	563.45
Contributions	12,764.31
Pablita Velarde Proceeds	775.00
Nightwalk Proceeds	3,469.50
Office of Cultural Affairs Proceeds for Native Crafts Demonstrations	3,992.00
Harriet Kelley Book Sales	<u>51.90</u>
TOTAL INCOME:	<u>\$31,412.65</u>

Disbursements - Bandelier National Monument:

Phone Assist for Hearing Impaired	\$ 443.30
Visitor Center Desk	1,890.00
Washington State Archaeological Project - Excavation	3,850.00
Washington State Archaeological Project - Capulin Report	2,000.00
Ecology Assistant	4,000.00
Native Crafts Demonstrations	1,565.48
Office of Cultural Affairs Disbursements to Native Crafts Demonstrations	4,996.97
National Park Service Archaeological Survey	2,000.00
Coffee with a Ranger Supplies	194.09
Volunteer Party Invitations, Mailing, and Supplies	238.81
Prints for All Species Day	65.60
Bandelier Pass Design Award	<u>25.00</u>
TOTAL DISBURSEMENTS:	<u>\$21,269.25</u>

Expenses - Friends of Bandelier:

Supplies	\$ 128.52
Postage	434.89
Advertising	75.00
Printing	16.80
Nightwalk	<u>2,277.15</u>
TOTAL EXPENSES:	<u>\$2,932.36</u>

Net Income (Cash Balance as of September 30, 1991) \$7,211.04

BANDELIER NATIONAL MONUMENT
State of the Park Report
Fiscal Year 1991

Thanks to you, our energetic corps of volunteers (VIP) and a dedicated staff, 1991 has been a pretty good year. We continue to serve more and more visitors and are addressing our more serious problems. We have had some success in our relationships with the Corps of Engineers and Bureau of Reclamation regarding the Cochiti Reservoir and our relationship with the Jemez District of the Santa Fe National Forest is much improved, even beneficial. Our relationship with the Española District has been good right along. The Superintendent had the opportunity to meet with the National Parks and Conservation Association (NPCA) to present an overview of Bandelier and outline its complex problems. The presentation was well received. It was encouraging to see Betty Lillianthal, NPCA Board Member and member of the FRIENDS, nodding her head in agreement and support during the presentation.

1991 was one of the better years for the park's Interpretive activities as far as funding and staffing levels go. It is felt that the park was able to carry out an interpretive program that was at near optimum level. Probably the most significant event that occurred was the transfer of Chief of Interpretation Ed Greene after his being at the park for nearly 15 years. Ed left his position in April and was replaced by Al Seidenkranz in late June. Al came to the park from St. Croix National Scenic Riverway where he served as Chief of Interpretation for most of his 15 years at the Riverway.

Visitation during FY 1991 at the Visitor Center was 285,508 for an increase of 13%. Total visitation for the park was 357,743, a 13.6% increase over last year. The long awaited video disk with our most popular introductory slide program finally arrived. Although there are still some bugs to work out with the equipment we are able to show the slide show on a regular basis.

Two Interpretive positions remain vacant. The vacant Interpretive Park Ranger position has been vacant for over a year. Since the person in this position serves as assistant to the Visitor Center Supervisor its vacancy puts an extra workload onto the senior seasonal giving her less time to do activities that benefit the public. The division clerk position also remained vacant. This vacancy leaves the division without needed clerical support to do fiscal program tracking, typing, reservations for group visits and etc. At the present time the clerical workload has been spread out among other division clerks and the Superintendent's Secretary, adding to their heavy workloads.

Visitor Center Supervisor Andrea Sharon prepared a grant proposal for the park's Cultural Awareness Program and was awarded, for the second year in a row, \$5,000 by the New Mexico Arts Division. This program will provide an increased public exposure to American Indian artisans during the summer months. The Friends of Bandelier will again serve as the fiscal agent for the grant funding.

Our Outreach program continued to feel the effects of budget and staff shortages in FY91. The program did not get started until February when special funding from the "NPS as Classrooms" was granted. Even though there

was a late start with the Outreach program, Outreach Coordinator Chris Judson was able to conduct programs to 33 different schools to 7,226 students. Presentations were also given to 36 different community groups. In addition, field trips in the park were given 16 times.

A proposal for educational funds for \$ 30,500 was made and granted to continue our Outreach program in FY92. These funds will enable us to hire a long term seasonal to help out in interpretive operations and release our Outreach coordinator from desk duty so she carry out her highly successful program.

Even though seasonal Ranger staffing levels were better we still must rely on our VIPs to help carry out interpretive activities. Volunteers conducted 48% of the interpretive programs offered this year. They did 88% of the roving patrols on the Ruins and Falls trails. A total of 5,105 hours were contributed by 27 VIPs to interpretation division in FY 91. Overall for FY 91, 71 VIPs contributed 12,529 hours benefiting the entire Bandelier operation. Because of the efforts of many in the park and community, including the FRIENDS, our Take Pride in America/America the Beautiful (KAB) project, the Bat Walk, was a success. Senator Dominici, Dorothy Hoard, Tom Trujillo and a host of others, including Washington, DC KAB and Interior Officials, was on hand for the finale. The success of the Bat Walk has proven to be worth the effort.

The FRIENDS of Bandelier continue to provide generous monetary as well as important moral support during these times. Your direct monetary contributions of \$12,764 supported programs such as Coffee with a Ranger, the American Indian Craft Demonstrator program, and the Nightwalk activity. You also helped fund our archeological survey project and the report for the WSU excavation that was completed this year. Funds were also provided for photo supplies, editing fees and tuition fees for training.

1991 was another good year for Southwestern Parks and Monuments Association (SPMA). Sales increased 19% to a record high of nearly \$310,000. There were 135 new titles or items added to the list of sales items available for purchase. A 45-minute video on Bandelier was produced for resale by a private company. Linda Gaffney, manager of the Bandelier SPMA branch, was promoted to Regional Manager, one of two within SPMA, and she was also presented the award for outstanding SPMA employee of the year. In celebration of it's 75th birthday Bandelier represented the Southwest region on the 1991 Passport stamp. A museum exhibit commemorating the 75th anniversary of both Bandelier and the National Park Service's was installed in the VC.

The Resources Management Division Chief position was finally filled. Charisse Sydoriak, previously the branch chief, Natural Resources Management for the NPS North Atlantic Region, was selected. Charisse brings to the park a great deal of experience in vegetation management. Charisse's husband, Walter, is a native of Los Alamos.

Park staff and outside researcher projects include: collection of avifaunal data along four permanent transects; "tree-ring" investigation of paleofloods in the Frijoles watershed; continued "tree-ring" investigation of the park fire history; continue to study bald eagles, peregrine falcons, and spotted

owls (two new pairs of spotted owls were found in the park this year bringing our total to three pairs); and the collection of habitat and distribution data on the Jemez Mtn. salamander, spotted owl, peregrine falcon, zone-tailed hawk, yellow ladyslipper, wood lily, and rattlesnake fern. Erosion bars were installed and other monitoring efforts initiated to quantify the erosional problems within the park. It appears that about 75% of our backcountry ruins are impacted to some degree by erosion. Some areas are losing approximately 1 inch of soil every five years.

Backcountry overnight use for 1991 has been on par with the previous five years. We are averaging approximately 4,000 visitor night per year with the peak season occurring in the spring. The flat growth of overnight visitor use, tight restrictions on trail stock, and the prohibition on ground fires have had a significant positive impact in protecting natural resource conditions and wilderness values.

There were 4 prescribed fires (a total of 121 acres) conducted by the fire management division during 1991 season. All were management ignitions. There is no provision for prescribed natural fire in the fire management plan at this time.

Santa Fe/Los Alamos Highway Corridor Study (SF/LA) continues to command our attention, though no movement was detected in the ongoing discussions between New Mexico State Highway and Transportation Department and the San Ildefonso Pueblo. The State requires assurances from the Pueblo that if a route was selected which incorporated Pueblo land the right-of-way could in fact be secured. As you know, all 4 alternatives would have a serious impact on the park. One bright spot was the movement of funds from the proposed corridor to the Santa Fe by-pass.

We are continuing to observe and work closely with the new Santa Fe National Forest Jemez District Ranger regarding the Dome Diversity Area (the headwaters of Bandelier). We are most concerned about the open forest designation (no restrictions on vehicle access) which makes it difficult to control poaching in the park and illegal tree and snag removal. Also of concern is potential mining in the Dome area and the effects on our watershed.

We are continuing to work closely with the Rio Grande Compact Commission, the Corps of Engineers, and the Bureau of Reclamation in an attempt to minimize the negative impacts the Cochiti Reservoir has on the park.

1991 was the last year of the Regional Archaeological Inventory Survey under Bob Powers. As of this season over 2000 sites have been recorded by the survey, covering just over 41% of the Monument's area. 1991 was the fourth and final year of excavation being held by Washington State University under Dr. Tim Kohler. This year's excavations yielded over 100,000 items.

While we have at this time documented damages occurring to the backcountry sites of Yapashi and San Miguel we must now attempt to develop a plan of action which will make stabilization of these areas practical from the standpoint of labor, time and money. We have been working with the Pueblos of San Ildefonso and Cochiti to develop a management strategy for the religiously sensitive shrine of the Stone Lions.

Supervisory Park Ranger DeLaCruz was detailed to an interagency Archeological Resource Protection Act (ARPA) (anti-pot hunting) task force in Santa Fe from early December to late January. The mission of the task force was to investigate the illegal activity of artifact hunting, grave robbing, etc. violations on government lands.

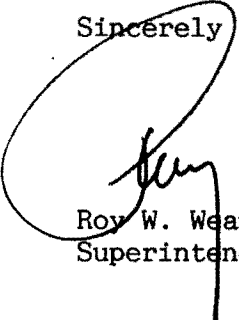
Even though funds did not permit us to staff Tsankawi as we should last winter, we kept that popular unit open. Regular monitoring indicated that visitors to Tsankawi were respecting the resources. As long as that respect continues we will keep Tsankawi open.

The summer season began early with visitation figures for March 68% above the previous year. Total visitation for FY91 was 357,743. This reflects a 13.6% increase above the FY90 figure of 314,704. As a result of our increased visitation from about mid April to mid October, 2-5 Rangers and/or Volunteers spent 3-6 hours per day directing traffic in Frijoles Canyon. A total of 12 volunteers assisted the Park staff in this endeavor during this time. Until our parking problem is alleviated, parking will continue to occupy a large portion of our summer activity. Our FY 92 budget does include a special appropriation to complete the Development Concept Plan (DCP) which will be the basis for developing plans to relieve the congestion in the cañon.

Flooding in the cañon destroyed 9 bridges and damaged several others. Long segments of trail were damaged as well. We were able to replace and/or repair the bridges and make significant progress towards improving the trails. Accessibility for the handicapped into the Visitor Center and concession building continues to be a concern. Funding is our major limitation in correcting this problem.

Thank you, each one of, for your continued concern and support of Bandelier National Monument. I wish you a safe, happy holiday season and hope that for you, 1992 is a healthy and successful year.

Sincerely



Roy W. Weaver
Superintendent

Ecological Field Assistant Accomplishments at Bandelier - 1991

Dr. Craig D. Allen, Bandelier Ecologist

With the support of the Friends, Bandelier was able to hire Jim McGrath to work on a variety of ecological research and monitoring activities. These activities are outlined below.

Jim established nine vegetation transects in pinyon-juniper woodland portions of the park which lacked any quantitative baseline vegetation data. Each transect is 300 meters in length, with each permanently marked in the field, photographed, and mapped to allow them to be re-visited in the future to monitor any changes in vegetation conditions. Two transects were established on Frijoles Mesa, one near Corral Hill, three on the mesa west of the Frijoles Creek waterfalls, and three on the lower mesas west of Alamo Canyon. Data collection methods replicate those used by UNM's Long-Term Ecological Research program, with which we have begun to collaborate. Thirty-six erosion monitoring transects were established in association with these permanent vegetation transects to collect better data on rates of soil erosion.

Jim also re-collected data from six vegetation transects on Cerro Grande (established in 1984), as well as from the vegetation transects inside the burro enclosure near Yapashi (previously read in 1978 and 1984). All field data are now being entered into computer databases for analysis this winter.

Jim helped inventory portions of Bandelier for several rare or endangered plant and animal species. We found Jemez Mountain salamanders at six of sixteen sites we searched, extending its known distribution in the park. Jim is a skilled plant taxonomist - in the course of his field work he found several plant species not previously known from the park, and he corrected the identification on the rattlesnake fern (Botrychium virginianum) which is not known from anywhere else in New Mexico.

In the late spring and early summer Jim inventoried the permanent and ephemeral ponds, seeps, and springs of the park for amphibian species, especially chorus frogs and tiger salamanders. We now have reasonable baseline data on the breeding distributions of these two species at Bandelier, along with improved data for canyon tree frogs and red-spotted toads. In addition, Jim collected extensive wildlife observations on many different species as a routine part of his field work.

Jim placed dendrometer bands on thirty ponderosa pine trees to monitor the seasonal timing of tree growth. Ten trees were banded at each of three sites between 6600 and 9100 feet in elevation, with growth monitored weekly. The trees were already growing in late May/early June when the bands were put on. From mid-June to mid-July soil moisture was apparently a limiting factor for tree growth at the low elevation site, as the tree circumferences actually shrank slightly during extended dry spells. In contrast, at the higher, moister sites trees grew continuously throughout the summer, with growth ceasing by early to mid-September at all three sites. These banded trees will be monitored again next year, allowing us to more precisely determine the season that prehistoric fires burned.