



FRIENDS OF BANDELIER ANNUAL REPORT for FY2017

President's Message, January 2018

As the Friends of Bandelier moves into its fourth decade of assisting Bandelier National Monument, I've taken time to reflect on all that has been accomplished since Dorothy Hoard founded the organization in 1987. The cut and dry financial breakdown is on page 2, but the essence is that the Friends continue to help restore the park's varied cultural resources and to assist with making new discoveries about the natural history of the park.

Pajarito Plateau Bee Survey: With support from the Friends of Bandelier, Dr. Olivia Carril began the first-ever native bee survey of Bandelier National Monument in 2017, with collections made near St. Peter's Dome, across Burnt Mesa, near Cerro Grande, and in Frijoles Canyon. All specimens have been labeled, and identifications are approximately half completed. Dr. Carril will continue identifications during the winter of 2018 and will resume collections in the spring and summer of 2018.

So far, 483 specimens have been collected to date, and hint at an incredibly diverse fauna. Prior to the current study, only two species had been documented for Los Alamos County (a bumble bee, *Bombus*, and a sweat bee, *Halictus ligatus*). Over 46 species have been added to what is known for Los Alamos County from the current study, including at least three species of bumble bees (*Bombus*), leaf cutter bees (*Megachile*), resin bees (*Anthidium*), two genera of Cactus-specializing bees (*Lithurgopsis* and *Diadasia*), green metallic sweat bees (*Agapostemon*), and several sweat bees (*Lasioglossum*). Specimens from the genus *Osmia* were documented near Cerro Grande, and a unique, as yet unidentified small mining bee (*Perdita*) was found near the visitor's center.

Plans for 2018 include establishing plots at Burnt Mesa, in the burned area of the Dome Wilderness on the west side of the monument, along the riparian area in Frijoles Canyon, and along the Alamo Boundary trail.—Jeremy Sweat, Chief of Resources

Tinware in the Bandelier CCC National Historic Landmark District: Nearly 300 pieces of handcrafted tinware light fixtures were made for the Frijoles Canyon Lodge and NPS headquarters at the park in the late 1930s. Some were made according to architects' plans, while others were CCC craftsmen designed. There are 34 unique styles of tinware here at Bandelier! As I'm sure you've noticed throughout the historic district, these significant

historic objects are one of the park's many wonderful assets. Because of the fragile nature of the aging tinware, and due to the fact that many pieces like mirrors and table lamps were made for the old Lodge, most of the collection is stored off-site at an NPS museum repository. Several dozen exterior light fixtures remain installed in the historic district, however. Over the years, the park has worked to keep them in good repair and to replace them as they age. In the latter case, the original is removed for cleaning and storage, and we commission a local craftsman to do the reproduction. We are due for another round of repair, conservation, and reproduction. Our current goal is to remove and reproduce 13 fixtures that are directly exposed to weather and sun.—Jamie Civitello, Park Archeologist

Visiting Lower Falls

I only had the privilege of visiting Bandelier National Monument once before the floods of 2013. If I didn't have the photos from that trip, I wouldn't realize how different Frijoles Canyon looks today. After moving to Los Alamos, one of the first hikes I took was in Bandelier. I heard people rave about the waterfalls of Frijoles Creek and wanted to see them for myself. However, I encountered large signs warning me about the landslide that washed out the trail to the Lower Falls. I remained determined to see the Lower Falls, and heard one could access them from another direction. Today, rather than a relatively easy hike down Frijoles Canyon, you must take the "scenic" route to visit the Lower Falls!

Another intrepid traveler and I began at the Los Alamos National Laboratory's Powerline Mesa Trail just as the sun peeked over the Sangre de Cristo Mountains in the distance. We connected with the Ancho Springs Trail, and a little over an hour later we made it to the Rio Grande. A merganser floated by us heading in the same direction—downstream to Frijoles Canyon. It was a frigid morning, but the sun finally crept into canyon bottom when we were about halfway to our destination.

By the time we made it to Frijoles Canyon, all thoughts of being cold vanished with the mid-day sun. We shed layers as we began hopping from boulder to boulder. Lower Frijoles Canyon is littered with rocks of all sizes, forming barriers and obstacles for the creek's journey to the Rio Grande. The evidence from the flood is everywhere. Sticks, trees, and brush formed piles along with the rocks. We picked our way through the debris and finally heard the crashing of falling water. (Continued on page 3)

FRIENDS OF BANDELIER

Financial FY2017

FRIENDS OF BANDELIER ANNUAL FINANCIAL REPORT

January 1, 2017 to December 31, 2017

Current Assets - Balance Forward as of January 1, 2017:	
Cash in General Fund	\$72,855.48
Cash in Major Purchase Fund	13,790.54
NET ASSETS TOTAL BALANCE FORWARD	86,646.02
Revenue and Other Support:	
Contributions	14,634.27
Memorial Contributions: Dorothy Hoard (for Wilderness Ranger)	50.00
Royalties from <i>The Peopling of Bandelier</i>	51.39
Interest - General Fund	5.15
TOTAL REVENUE AND OTHER SUPPORT	74,290.56
Disbursements:	
Bee survey	10,000.00
Supplies for volunteer banquet, other events	2,425.35
Dorothy Hoard Wilderness Ranger	13,000.00
Citizenship ceremony	1,000.00
Fire ecology SCA	3,500.00
Fire and Restoration art project	1,000.00
Horno restoration	3,500.00
Pika study	2,000.00
Park passes for public relations	1,480.00
TOTAL DISBURSEMENTS	37,905.35
Expenses - Friends of Bandelier:	
Attorney fee	137.49
Stewardship Award presentation	101.58
Copying	200.00
Corporate Report Filing Fee	10.00
Stamps	98.00
PO Box Renewal	70.00
Tax return preparation	536.56
TOTAL EXPENSES	1,228.37
Net Assets, End of Period:	
General Fund	148,462.57
Major Purchase Fund	13,815.88
TOTAL NET ASSETS (Balance as of December 31, 2017)	\$62,278.45

GRANTS to BANDELIER 1988-2017

Archaeological	
Surveys, excavations, equipment	\$56,497.09
Studies, publications, documentation	31,720.52
Interpretation	
Capital items	\$16,976.00
Peopling of Bandelier book	5,000.00
Printing newspapers, etc.	29,045.95
supplies	3,021.65
training & awards	2,942.63
services	10,644.68
90th anniversary items	4,152.03
Centennial Matching Grants	51,116.00
Exhibits	225.00
Wilderness Ranger	36,200.00
Resource Management	
GPS units and supplies	\$ 18,157.00
Maintenance & supplies	10,100.00
Video & Microscope	2,750.00
Trail Work	40,000.00
Ecological	
Greenhouse facility supplies	\$5,000.00
Pinyon-juniper Restoration Study	4,800.00
Ecological studies assistants	6,800.00
Butterflies, arthropods, bees	15,500.00
Pikas	2,000.00
Fire Management SCA	6,715.00
Fire and restoration art	1,000.00
Cultural Awareness - Pueblo Crafts	
Pueblo Cultural Demonstrations	\$18,521.60
Crafts purchases	1,155.00
Archive/Museum purchases	6,291.00
Pueblo Youth Preservation Program	5,000.00
Horno Restoration	3,500.00
Handicapped	
Campsite Upgrades	\$3,600.08
Handicapped Ramp, wheelchair	2,265.74
Drinking fountains	3,500.00
Telephone Device for the Deaf	443.30
Braille Labels for Touch Table	106.50
Social Events	
Coffee-with-a-Ranger	\$2,052.65
VIP Parties, receptions	3,989.51
90th Anniversary Celebration	1,667.70
Event Support	17,828.38
Protection	
EMS Trauma Kit	\$414.95
SCA Backcountry Patrol	2,500.00
GRAND TOTAL	\$387,944.70

After rounding a bend, we stood in an amphitheater with the Lower Falls in front of us. My hiking partner pointed out the place where the trail once stood, now a sheer rock face scoured away by the floodwaters.

After a quick lunch sitting atop a boulder at the base of the falls, we began our long journey back to our vehicle. At the end of the day, we hiked close to 15 miles, but I am finally able to say that I've seen the Lower Falls of Bandelier! While this hike is much different than before, it made for a sensational journey and the natural landscape restoration is evident. Along the way we passed through some of the most beautiful portions of White Rock Canyon, touched the colorful geology of Frijoles Canyon, and witnessed a Golden Eagle soar overhead. Bandelier is such an amazing place for new discoveries and exciting adventures.

—Jonathan Creel, Friends of Bandelier Board Member

Dorothy Hoard Stewardship Award, 2017

The Board of Friends of Bandelier have chosen Mountain School teacher Michele Altherr of Los Alamos to receive the 2017 Dorothy Hoard Stewardship Award. Michele was selected for her work with the children of Los Alamos and her many contributions to the Pajarito Environmental Education Center that have enhanced Los Alamos as a place where discoveries of nature and the out-of-doors are made. As Michele reminds us, “play outside and explore the wonders of nature.”

Whether you are a child or an adult, the restorative power of nature has been shown to improve imagination and physical and mental health. Because of Michele's advocacy, Los Alamos has experienced many ways to “play outside and explore the wonders of nature.” This has contributed to the health and well-being of our community. She was a co-founder of Pajarito Environmental Education Center in 2000. Because of the founders, many hours of effort by Board members, and community members, in 2014 Los Alamos open a spectacular Nature Center, run by Pajarito Environmental Education Center (PEEC). In 2016, the Nature Center had an annual visitation of over 18,500 visitors and served over 6500 school children.

But Michele did not stop with the idea of a Nature Center, she developed engaging programs offered by PEEC that have touched the lives of many children—from community residents, New Mexico residents from Espanola to Albuquerque, and those who live in other States. Programs such as Nature Odyssey, Park Flight, Birds with a Purpose and other outdoor programs took children on voyages of discovery from the Valle Grande, to Bandelier, and the Rio Grande. They learned from local naturalists, scientists, artists, and gardeners. Most of all the children grew in personal confidence, and played, making learning about our landscape their own.

Michele also promoted clubs that focused on children making a difference to their community. The children in her PEEC after school Kinnikinnik Club learned about the habitat needs of butterflies and built a butterfly garden designed and advocated by Dorothy Hoard, which won an award from Keep New Mexico Beautiful. The Kinnikinnik kids went on to run a yearlong reusable bag campaign, which resulted in Smith's Marketplace receiving recognition from their corporate office for their dramatic decrease in plastic bag use. Michele initiated and sponsored another club at Mountain School, the “Green Team.” This team of students led a school-wide Cool the Earth Project to reduce personal carbon footprints. Another year they led the school in a competition to collect and recycle the most aluminum cans. The team counted, calculated and publicized their efforts, which resulted in a win. The children chose to donate their \$2,000 award to an animal rescue group. They followed this up with a school-wide campaign to collect and recycle the most plastic bags in the State of New Mexico. They squeaked out a win and the bench they won sits proudly in front of the school.

More recently, she and her friend Selvi Viswanathan led the successful effort to certify Los Alamos Certified as a Wildlife Habitat. This included her Green Team kids planting habitat friendly gardens and certifying Mountain as a schoolyard habitat. Beyond all this Michele has been a busy teacher for 20 years who is passionate about making learning active and relevant whether the subject is in science, math, reading or writing.

Michele developed her love of the out-of-doors playing in the woods and streams of the Maryland countryside. She graduated from the Florida Institute of Technology with a BS degree in ecology. She met her future husband there. They have two children, who are now often found working and playing in the outdoors. She received her elementary education degree from UNM and her educational leadership MA degree from Highlands University. She is a graduate of Leadership Los Alamos and has served on the Parks and Recreation Board and the Board of Directors for PEEC, at one time serving as President. In her spare time, Michele loves xeric gardening, hiking and collecting folk art.

The Dorothy Hoard Stewardship Award is a yearly award given in the name of Dorothy Hoard who founded Friends of Bandelier in the 1988. The Board has determined the award will be given to someone who has contributed to the health and well-being of our landscape and environment in March, the anniversary of Dorothy's passing. Dorothy died in 2014 and the award is her legacy to her advocacy for the landscape she loved.—Terry Foxx

FRIENDS OF BANDELIER *State of the Park*

Dear Friends,

It's January, and spring is right around the corner... I'm not sure if we are even having a winter.... 2017 was another great year for your favorite national park, Bandelier National Monument. You've got an exceptional staff, who are committed to protecting its resources and providing exceptional visitor experiences.

As we begin 2018, we are concerned about the lack of snow and how this will impact the park this spring. And for now, we're giving Mother Nature the benefit of the doubt, hoping that she has big plans for late-winter snow and spring rains. If you haven't visited in a while, then you're probably one of few locals that haven't taken advantage of the light winter we're having this year. All the trails are open, and this is an excellent time to explore your park.

And speaking of back-county exploration, Kevin Stillman and his crews (youth, professional, and volunteer) have had a great year of accomplishments! The trail from Ponderosa Campground, via Upper Crossing and down Frijoles Canyon is completely restored and ready for you to visit. I hiked it a few weeks ago, and there was only one tree across the trail, and I bet Kevin has already taken care of it. The Frey Trail has also been restored, and the tread on the switchbacks probably hasn't looked this good since the CCC last worked on the trail in the 1940s. This project required over 345 helicopter trips hauling over 190 tons of soil that was used to re-level the trail. And Kevin wanted to use a wheelbarrow.... Kudos to both Kevin and Bonnie Bolser (Fire Helitack) for their leadership on this important project. So go take a hike!

Our youth programs, the Bandelier Conservation Corps (BCC) and Bandelier Preservation Corps (BPC), are still going strong, especially with the support of the Friends! This year, in partnership with the YMCA, UNM-LA, and the Volunteer Task Force, the park was able to support the Y-Corps with a special Bandelier Y-Corps, where they spent a few weeks working Bandelier trails and were also able to earn college credit with Bandelier Chief of Resources Jeremy Sweat as their adjunct professor at UNM-LA for a Land Management and Environment Policy course. These are all great opportunities for our local youth. Here are some great videos for the BCC (<https://youtu.be/e1D5vmXmh-nI>), and the BPC (<https://youtu.be/NLuaq6PdcDk>).

Ranger Sally King working with USGS Biologist Erik Beever and with funding from the Friends, has initiated a citizen-science Pika Monitoring Project. Sally has already expanded the partnership to include the Pajarito Environmental Education Center (PEEC) and the Western National Parks Association (WNPA). Later this year, Sally and her team will focus on the citizen-science component of the program, which will be an opportunity for all of our Friends (stay tuned).

Behind the Visitor Center is a brand new horno, constructed by Jon Naranjo from Cochiti Pueblo, which was funded by the Friends. This spring, Jon and his family plan to return and do a blessing for the new horno, and afterward we'll begin having cultural demonstrations with the horno, and our visitors will be welcomed with the smell of fresh bread. You'll also see that the Preservation and Maintenance Team have completed flag-stoning the courtyard, which really enhances the Visitor Center. This spring we will be removing the last of flood barriers from around the building.

I am also excited to report that 2018 is "Year of the Bird." This is a partnership between the National Park Service, Audubon, Birdlife International, and the Cornell Lab of Ornithology (Birdyourworld.org). Locally, Bandelier is partnering with the Friends of Bandelier, PEEC, WNPA, and probably others, to celebrate the centennial of the Migratory Bird Treaty Act and the extraordinary value that birds provide to the environment. You will see monthly emails highlighting a bird-of-the-month, activities at the park, as well as challenges for you to consider to enhance our local birdlife. Behind the scenes, the park staff is working to establish a sister park in Mexico to enhance our on-going bird research. I'll share more once we have formalized our partnership.

Please know that the contributions from the Friends continue to make a substantial difference for research, preservation, and visitor experiences here at Bandelier. The Dorothy Hoard Wilderness Ranger, Bob Loy is preparing a range of new opportunities for wilderness experiences for this year; the BCC and BCP are funded for this summer (help us recruit some local youth); our Park Archaeologist Jamie Civitello has a CCC Tinware Preservation Project for the Friends to consider; the park's Natural Resources Manager Scott McFarland will be re-introducing native Rio Grande Cutthroat Trout and conducting research; Sarah Milligan, our Bird Banding Program Manager, will be receiving specialized mist-net training; fifteen new citizens will be presented flags from the national capitol on July 4; a new art hanging system will be installed in the Visitor Center to support our Artist-in-Residence Program; and there will be a second year for an internship with the Bandelier Fire Ecology Program under the leadership of Laura Trader. These all opportunities made possible from the generosity of the Friends of Bandelier! Thanks so much! We're looking forward to another great year at Bandelier with the support of our Friends!

Good Stuff,

Jason Lott, Park Superintendent



P.O. Box 1282
Los Alamos NM 87544-1282

2017 ANNUAL REPORT

*Board of Trustees
Friends of Bandelier*

Laura Bohn/Los Alamos
Jonathan Creel/Los Alamos
Terelene Foxx/Los Alamos
Sarah Gustafson/Los Alamos
Craig Martin/Los Alamos
Brian Scott/Los Alamos