



Archeology Program

National Park Service
U.S. Department of the Interior



June 2013 Archeology E-Gram

This month the Archeology E-Gram is focusing on informational resources on the Web about climate change. Scroll down to page 10 to learn more.

Erika Stein Selected as Superintendent of Kalaupapa National Historical Park

Erika Stein is the new superintendent of Kalaupapa NHP in Hawai'i. She replaces Steve Prokop who was selected as superintendent of Redwood National and State Parks. Stein is currently the acting superintendent at Kalaupapa NHP. Prior to working for the NPS, she was a contract archeologist in Hawai'i and California. Stein holds a BA in Cultural Anthropology from the University of California, Santa Barbara, and a MA in Maritime Archaeology from James Cook University, Townsville, Australia. As part of her graduate education she participated in a field program in ethnography and marine sciences in the Solomon Islands.



Stein has worked at the park for more than five years, first as an archeologist, then as the Cultural Resource Program Manager. Stein has been instrumental in growing the park's cultural resource program, and interpretation and education program. She has worked with the Hawaiian Legacy Foundation to perpetuate traditional knowledge and skills and with cultural resource education with local student groups. Stein was also part of the planning team for events celebrating the canonization of Saints Damien and Marianne.

Stein will transition into the permanent position in late June.

Melissa Memory Selected As Fort Pulaski Superintendent

Melissa Memory is the new superintendent of Fort Pulaski NM. She is currently Chief of Cultural Resources at Everglades and Dry Tortugas NP. Memory earned a BA in anthropology from the University of Georgia, and an MA in anthropology with a concentration in public archeology from the University of Arkansas. Memory's first job with the NPS was as an archeological technician at the Southeast Archeological Center (SEAC) in 1991-1992. She left that position to attend graduate school as an intern with the Arkansas Archaeological Survey. After graduate school, she worked for the Payette NF in Idaho and several private consultants before returning to Florida to work as a public lands archeologist for the Florida Bureau of Archaeological Research.

Memory rejoined the NPS in 2001 as an archeologist at Navajo NM. From there she moved to Moab, Utah, where she started the Vanishing Treasures program for Canyonlands NP, Arches NP, Natural Bridges NM, and Hovenweep NM. She worked with the Hopi Foundation to establish a cooperative ruins preservation program with Hopi youth, and also led the first comprehensive ruins and rock art archeological survey of the Colorado and Green River Corridors in Canyonlands NP.

In 2006 Memory left the Southeast Utah Group to establish the first integrated cultural resource program at Everglades and Dry Tortugas NP, completing many baseline studies of historic architecture, cultural landscapes, and ethnographic resources; and improved stewardship of archeological resources. She worked closely with the Florida Public Archaeology Network, the South Florida National Parks Trust, the Artist in Residency in the Everglades Program and the National Parks Conservation Association on



numerous public programs to create more awareness and appreciation of cultural resources in the parks. She also coordinated with the U.S. ACE, the Seminole and Miccosukee Tribes, and the Florida SHPO to ensure that cultural resources were addressed in Everglades' restoration planning efforts.

In addition, she re-instituted the Dry Tortugas/Everglades dive team, served as the chair of the parks' wilderness committee, and served as acting site manager for Dry Tortugas NP.

Memory has represented cultural resources on the National Wilderness Leadership Council and the Wilderness Character Integration Team, which received the 2013 Group Wes Henry

Award for wilderness stewardship, and is a founding member of the Southeast Regional Cultural Resource Advisory Council.

She will take over her new duties at Fort Pulaski on July 28, 2013.

By Marianne Mills

Site Restoration at Bandelier National Monument Facilitated By Helicopter

Alcove House, a significant but difficult to access cultural site within the park, is being repaired through the efforts of NPS staff members with the assistance of a contract helicopter. Alcove House is a 14th century alcove site that includes a kiva and the partial remains of a two-story complex of twenty cavate and masonry rooms. The kiva structure is significant for its pre-Hispanic origins; as a historic structure representing the development of archeology as a discipline; early preservation efforts initiated under the Antiquities Act; and the development of Bandelier NM.

The kiva has outstanding value and importance to the general public, culturally affiliated Native American tribes, and special interest groups who visit the monument. On a typical year, some 220,000 visitors come to see and study the cultural resources in Frijoles Canyon; this site is among the most visited in the canyon. Kiva walls, however, had begun to deteriorate.

The site is located 140-feet above the canyon floor and is accessed through a series of wooden ladders. Resource managers settled on helicopter supply of materials to the site as the preferred method. On June 13, 2013, a helicopter delivered building materials with a 150-foot long line. Ten loads were delivered to the site, totaling 7,500 pounds of material, which will be used to repair the kiva masonry walls. Helicopter work was completed smoothly and safely over the course of one hour.

This collaborative effort included contributions by a number of people:

- Chief of resources Barbara Judy, Bandelier NM;
- Vanishing Treasures staff members Sarah Stokely, Jonathan Holdsworth, Rachel Adler, Molly Ray, and Steve Matt, Bandelier NM;
- Archeologists Rory Gauthier and Stewart Robertson, Bandelier NM;
- Student Conservation Association Interns Amy Washuta, Luke Gommermann, Josh Jojola, and Emily Polansk, Bandelier NM;
- Trail crew leader Derek Beitner, NPS Southeast Arizona Group;
- Trail crew members Reed Kennard, Paul Irby and Chris Beitner, Canyonlands NP;

- NPS Zone safety officer Rita Causby;
- Aviation project manager Josh Brookshire, helitack crew members Bonnie Bolser and Jim Dotson, and pilot Zaron Welch, Bandelier NM.

Special thanks to colleagues in Intermountain Region's safety program who helped plan this project and to Intermountain Region cultural resources colleagues who cheered the park on, saying that this project could be done.

*By Barbara Judy, Chief of Resources
Bandelier National Monument*



Crews inside Alcove House received delivery of 800 pounds of masonry stabilization materials via helicopter. Ten loads were delivered to the site using a 150-foot long line with remote release. NPS photo.

Vandals Inflict Major Damage On Petroglyphs at Lava Beds National Monument

On May 17th, rangers discovered vandalism in an area of Lava Beds NM known as Petroglyph Point. Damage included over 50 occurrences in which individuals had carved over prehistoric and historic petroglyphs (a form of rock art) across a 300 foot stretch of the west face of this important cultural site. Petroglyph Point contains thousands of culturally significant petroglyphs, the most concentrated number in the state of California, which may date as far back as 4,000 years and are important to members of The Klamath Tribes. A temporary site closure has been enacted and additional security measures have been taken while a long term protection plan is established. Rangers are currently conducting an investigation into this incident of vandalism.

By Mike Reynolds, Superintendent

NAGPRA Repatriation Completed at Natchez Trace Parkway

Natchez Trace Parkway and Southeast Archeological Center (SEAC) recently completed the second largest NAGPRA repatriation in the NPS Southeast Region's history. The project involved repatriating human remains representing 63 individuals, 1,809 associated funerary objects, and 462 unassociated

funerary objects from three different sites – Boyd, Gordon and Emerald Mounds, the last a National Historic Landmark.

After consulting 20 tribes over a two year period, the NPS legally transferred custody of the collections last month to the Muscogee (Creek) Nation and the Choctaw Nation of Oklahoma. This repatriation follows the 2011 joint Natchez Trace Parkway/SEAC Mangum repatriation project, which was the largest in both the region's history and that of the Choctaw Nation of Oklahoma.

Several key people deserving special recognition are Emman Spain, THPO, Muscogee (Creek) Nation; Ian Thompson, THPO, Choctaw Nation of Oklahoma; Margo Schwadron, NAGPRA coordinator, SEAC; Kathryn Miyar and Ian Pawn, SEAC; Gregory C. Smith, landscape architect, Natchez Trace Parkway; Yvonne Noble, district maintenance supervisor, Natchez Trace Parkway; and Christina E. Smith, cultural resource specialist, Natchez Trace Parkway.

By Tom Berryhill

Historic Cannons Return to Fort Moultrie

Four Civil War cannons returned to public display at Fort Moultrie, part of Fort Sumter NM, South Carolina, on June 10, 2013, after undergoing conservation treatment. Weighing about 15,000 pounds each, they were lifted by crane onto their new bases by Parker Rigging Company. Placement will complete the rehabilitation of Fort Moultrie's Cannon Row.

The preservation project began in 2012 when Fort Sumter NM and Clemson University's Warren Lasch Conservation Center (WLCC) evaluated the 17 cannons at Fort Moultrie for their condition and historical significance. Six were sent to Phillips Industrial Services for conservation treatment. Under the care of a WLCC conservator, many layers of deteriorating paint were removed from the cannons and replaced with a new type of paint selected for its long term durability. These guns were reinstalled inside the fort on Battery Bingham, and outside the fort on new bases at Cannon Row. In early May of this year, an additional four guns were sent to Phillips Industrial Services and returned on June 10, 2013.



Cannons being removed from Fort Moultrie's Cannon Row. NPS Photo.

According to NPS historian Rick Hatcher, the park's collection of cannons at Fort Moultrie and Fort Sumter represents the best grouping of seacoast artillery from the period 1830-1890 in the U.S. This collection is comprehensive in terms of type and size, and includes extremely rare examples of Confederate manufactured ordnance.

By Bill Martin

Whiskeytown NRC holds California Site Stewardship Program

On April 20-21, 2012, 25 new archeological site stewards were trained and assigned their duties through the California Site Stewardship Program. Working with archeologists, the volunteers learned about the cultural resources in their local area and were trained to protect archeological and historic resources by regularly visiting sites and recording changes. The workshop was held in partnership with the Society for California Archeology and the Shasta-Trinity NF. The students learned how to read site forms and to apply that knowledge in the field. In conjunction with Law Enforcement, cultural resources laws such as NHPA, ARPA, and NAGPRA were discussed and students had the opportunity visit sites that had been previously looted to better understand signs of looting and site disturbance. The site stewards have now been assigned sites and are actively monitoring for changes and vandalism.

*By Danica Willis, Archeologist
Whiskeytown National Recreation Area*

Park NAGPRA Program Presents Training Session for Alaska Region via Videoconference



Mary Carroll talks to colleagues in Alaska

The NPS Park NAGPRA program successfully presented a 12-hour training session (*NAGPRA in the Parks*) about the Native American Graves Protection and Repatriation Act (NAGPRA) for the Alaska region in May 2013. The session took place over the course of two days and was delivered via videoconference. Nineteen participants signed in from six locations -- the Alaska Regional Office, Denali NP & P, Gates of the Arctic NP & P, Glacier Bay NP & P, Sitka NHP, and Western Arctic NP. For some located in remote parks, the videoconference format was the only way to participate.

The attendees received a comprehensive overview of NAGPRA and its requirements for dealing with cultural items subject to NAGPRA in collections, responding to inadvertent discoveries, and planning for intentional excavations. Other topics discussed included determining cultural affiliation, evaluating claims, and reburial of human remains on park lands.

Park NAGPRA's program manager, Mary S. Carroll, led the training with contributions from Lucas Hoedl, Park NAGPRA's Pathways intern. Jennifer Pederson Weinberger, Alaska's Cultural Resources Team Manager, led a discussion among the participants about NAGPRA topics of special interest to the Alaska region.

Additional information about this session, including course materials, can be found at Park NAGPRA's SharePoint site (<http://share.inside.nps.gov/sites/WASOCR/WCR/nagpra/default.aspx>).

Great Sand Dunes National Park and Preserve Hosts Jicarilla Apache Cultural Youth Camp



Jicarilla Apache Butterfly Dancers at Great Sand Dunes NP&P
NPS photo by Lisa Carrico.

Great Sand Dunes NP&P hosted the Jicarilla Apache Cultural Youth Camp during the first week of June. Jicarilla Apache chaperones and twelve Apache girls from Dulce, New Mexico, celebrated their tribal traditions during the five-day camp out.

Their campout started with the construction of a large tipi. During the five days, the girls learned about traditional language, music, preservation of traditions, beadwork, and cooking. They visited significant natural and cultural sites such as local museums that interpret the Jicarilla Apache story. The participants also participated in interpretive activities, climbed to the top of the dunes, and explored their sacred lands. The week concluded with a public performance of a tribal dance performed by girls dressed in Jicarilla tribal costumes and a traditional singer and drummer.

Great Sand Dunes NP&P will continue to work closely with tribal partners to identify additional opportunities to make the Cultural Youth Camp an annual event.

By Katherine Faz

NPS National Capital Region Launches Archeology Website

The NPS National Capital Region's Archeology Program (RAP) has launched a new website. This web site provides an opportunity to learn more about the role the NPS plays in the excavation, preservation, and management of archeological resources in the Washington, D.C. area. It contains much information about archeology at individual parks in the region. The website also links to numerous reports that were developed for the Archeology E-Gram – an effective way to make available archeological information developed for the public.

The National Capital Region (NCR) administers 88,000 acres of parklands in portions of Virginia, Maryland, West Virginia, and all of the District of Columbia. The parks in and around our nation's capital contain an incredible variety of archeological remains representing more than 13,000 years of changing human lifeways and different cultures — prehistoric workshops, stone quarries, campsites, and villages; sites of seventeenth- through nineteenth- century plantations, houses, kilns, mills, forges, and foundries; numerous Civil War sites such as battlefields, fortifications, and campgrounds; and the ruins of nineteenth-century canal structures.

The NCR Archeology Program provides for the study, protection, preservation, and interpretation of archeological sites located in NCR's parks and their collections. The major activities of the RAP include conducting archeological surveys; evaluating the relative significance of specific sites for possible

nomination to the National Register of Historic Places; caring for archeological collections; supervising volunteer participation in field and laboratory work; public interpretation; and, protecting archeological resources through enforcement of Federal historic preservation laws.

To explore the website, go to <http://www.nps.gov/rap/archeology/index.htm>

Significant John Smith Trail Site Preserved

On June 21, 2013, nearly 300 people gathered to celebrate the protection of the site of Werowocomoco, the principal residence and headquarters of Powhatan, the influential Indian leader when Jamestown was settled in 1607. Captain John Smith visited Werowocomoco twice, and recorded that it was the place where he and Powhatan met, and where he befriended Powhatan's young daughter Pocahontas. The site is identified on Smith's maps of 1608 and 1612, and is about 15 miles from Jamestown.

The site was identified through archeological investigations in 2002. Archeology continues at Werowocomoco today under the leadership of the Werowocomoco Research Group, formed by VDHR in partnership with the College of William and Mary, other scholars, and with Virginia Indians. Archeologists have identified the footprint of a 72-foot longhouse, and have found that the town was settled by 1200 A.D.

Werowocomoco lies along the Captain John Smith Chesapeake NHT, which interprets Smith's voyages and American Indian societies then and descendant communities today. The NPS is collaborating with VDHR to produce an illustrated book designed for visitors and the general public on the story of Werowocomoco. At Friday's dedication celebration, NPS Associate Director for Cultural Resources, Partnerships, and Science, Stephanie Toothman, described this upcoming project as a collaboration of NPS, VDHR, the Virginia Indian Advisory Board, the Werowocomoco Research Group, and the Ripleys.

Virginia Governor Bob McDonnell also spoke at the ceremony, as did representatives of seven Virginia Indian tribes, Lynn and Bob Ripley, VDHR Director Kathleen Kilpatrick, Virginia Secretary of Natural Resources Doug Domenech, and other dignitaries.

By Cindy Chance



An aerial view of the archeological core of Werowocomoco on the York River, Gloucester County, VA. Photo by Virginia Department of Historic Resources.

Government Affairs and International Government Affairs Update From SAA

The Society for American Archaeology's monthly governmental update has been restructured to contain three sections: (1) domestic issues, reported by the Governmental Affairs Committee (GAC); (2) international issues, reported by the International Governmental Affairs Committee (IGAC); and (3) a section devoted to analysis and opinion by the SAA president or his/her designee.

SAA president Jeffry Altschul reports that earlier this year, House Majority Leader Rep. Eric Cantor (R-VA) argued that Federal funding for social science research should be curtailed, with the funds diverted to support medical research. Cantor's speeches were followed by Senator Tom Coburn's (R-OK) amendment to the Consolidated and Further Continuing Appropriations Act, which prohibited NSF from funding political science research unless a project promoted the national security or economic interests of the U.S. More recently, Rep. Lamar Smith (R-TX), Chairman of the House Committee on Science, Space, and Technology, requested information on five specific grants in the social sciences, including access to the scientific/technical reviews, so that the committee could evaluate whether NSF was adhering to the agency's intellectual merit guidelines. Archeology grants were not included, although grants in anthropology were among those chosen to be reviewed.

NSF's budget has been cut 5 percent by the sequester. Much of the cut will be felt in future awards. In the NSF Archeology Program, it is expected that the number of awards will be reduced to between 80 and 90 percent of those made the previous year. Every attempt is being made to maintain the Doctoral Research Improvement Grant Program so that there will be no decrease in these awards. The cuts, then, will fall heavily on senior grants. The Archeology Program has chosen not to reduce each grant 10 or 20 percent, but to reduce the number of total grants awarded.

From report by David Lindsey

NPS Mather Training Center and WASO Learning and Development Offer NHPA Training

The NPS Stephen T. Mather Training Center and the Office of WASO Learning and Development are sponsoring opportunities for National Historic Preservation Act (NHPA) Section 106 and National Environmental Policy Act (NEPA)/Section 106 training. These courses count toward the required training under the 2008 NPS Section 106 nationwide Programmatic Agreement (PA). All NPS employees are welcome to attend. There is no tuition. Travel scholarships are available to help you and your park defray travel costs/ceiling.

These offerings reflect a larger effort being undertaken by Learning and Development to provide professional development opportunities to NPS employees through the NPS Career Academy. The NPS Career Academy for Cultural Resources is currently under development.

Fundamentals of Section 106

(July 31-Aug. 1, 2013)

Training focuses on the fundamentals of Section 106 in the NPS and particularly the PWR. Training will include practical, real-world approaches for completing the Section 106 process, with emphasis on documentation and consultation. The course will cover the 4-step and streamlined review processes as well as placing Section 106 in context with the NHPA and other applicable laws. Course Goals:

- Learn the NPS requirements for NHPA Section 106
- Learn how to use the four-step Section 106 process
- Learn how to use the NPS Section 106 nationwide PA
- Learn strategies for consultation

- Learn the roles and responsibilities of parties in the Section 106 process
- Learn about the relationship of NHPA Section 106 and other applicable laws such as the NEPA, ARPA, and NAGPRA.

Target Audience: Park Section 106 Coordinators.

Location: WWII Valor in the Pacific National Monument Visitor Center, Honolulu, Hawaii

Registration closes July 12, 2013. To register, contact Cari Kreshak, 808-228-5334.

Compliance with Section 106

(August 6-8, 2013)

The NPS SER, Cultural Resources Division, is sponsoring training in the fundamentals of compliance with NHPA Section 106 along with an overview of the NEPA. The standard, four-step compliance process will be covered as well as alternatives to that process that can streamline the compliance process.

You will learn:

- Regulations and NPS policy supporting the compliance process
- How compliance with NHPA and NEPA can be coordinated;
- Roles and responsibilities of key stakeholders in the compliance process;
- Case studies illustrating the compliance process;
- Requirements of the 2008 nationwide PA and how it can streamline the compliance review process;
- Information on the CRM program in the SER, how it relates to NHPA and Section 106 compliance, and how it can help your park better manage its cultural resources;
- An overview of the Planning, Environment, and Public Comment (PEPC) system and its use in documenting the compliance process.

Target Audience: Park Section 106 Coordinators, Superintendents, Resource Managers, and other park staff, especially those with collateral duties in CRM.

Location: Southeast Regional Office, 100 Alabama St. SW, Atlanta, Georgia.

Registration closes July 1, 2013. To register, contact Tommy Jones, 404-507-5783.

NEPA/NHPA Section 106 Workshop

(Sept. 10-12, 2013)

This 3-day classroom course teaches you how to comply with NEPA and NHPA Section 106 and includes overviews on compliance for special status species, floodplains, and wetlands. The classroom format allows participants to learn and practice the material, as well as share their experiences with other participants. More specifically, this course will help you:

- Make resource-based decisions using the environmental compliance process;
- Determine the appropriate level of NEPA compliance;
- Conduct internal scoping with an interdisciplinary team;
- Evaluate the needs for basic inventory of park resources for compliance purposes;
- Evaluate impacts on park resources and values;
- Write and format a NEPA document;
- Conduct NHPA Section 106 consultation using a variety of methods;
- Determine the major steps in the environmental compliance process; and
- Conduct public and agency involvement and tribal consultation.

Target Audience: Anyone, from beginners to experts.

Locations: Regional Office, 12795 W. Alameda Parkway, Denver, CO 80225

Registration closes July 31. To register, contact Cheryl Eckhardt, 303-969-2851.

Please provide your name, title, and date of your last compliance training.

Introduction to Section 106 of the NHPA

(Sept. 10-13, 2013)

The NPS NER Resource Planning and Compliance Division is offering *Introduction to Section 106*.

Course participants will learn the basics of project review under NHPA Section 106. This seminar emphasizes the NPS methodology for complying with Section 106. It will provide in-depth guidance and discussion on the step-by-step 106 process, include recent changes in regulations and procedures, and emphasize coordination with NEPA and other laws. Course topics will include:

- What is Section 106?
- When does Section 106 apply?
- How to apply the Advisory Council Regulations (36 CFR 800).
- NPS 2008 nationwide PA.
- Myths about Section 106.
- How to identify an “undertaking” under Section 106.
- How and when to consult (with SHPO, tribes, ACHP, public, others).
- Determining the Area of Potential Effect (APE).
- Resolving adverse effects.
- Use of agreement documents (PAs, MOAs).
- Coordinating Section 106 with other laws/regulations (NEPA, NAGPRA, etc.).
- Secretary of the Interior’s Standards for the Treatment of Historic Properties.

Target Audience: Park Section 106 Coordinators, park and regional cultural resource staff, compliance specialists, planners, and park managers.

Location: NER Northeast Regional Office, 200 Chestnut St., Philadelphia, PA 19106.

Deadline for Registration is August 9, 2013. To register, contact Cheryl Sams O’Neill, 215-597-5822

NPS Mather Training Center Offers Cultural Resources Preservation and Treatment Class

The NPS Stephen T. Mather Training Center is offering *Preservation and Treatment of Park Cultural Resources* at Apostle Islands NL on September 9-13, 2013. This 40-hour field-based course includes a competency-based curriculum designed specifically for facility managers, cultural resource managers, and other managers with cultural resource responsibilities. It focuses on the critical knowledge and skills for essential direction and oversight pertaining to the preservation, treatment, and maintenance of park cultural resources. The course takes place in a park setting, as a laboratory and test case for applying the knowledge and skills presented in the classroom. Encouraging an interdisciplinary team approach, the course emphasizes collaboration across disciplines and building a shared understanding and appreciation of resource stewardship in the evaluation, documentation, and treatment of park cultural resources.

The course includes a one day field-based case study which will require transport by boat with exposure to possibly rough water on Lake Superior, and field work on a remote island in a wilderness setting.

Competencies. This course addresses the following cultural resources stewardship competencies: preservation law, philosophy, and practice; research and inventory; preservation planning and compliance; preservation, treatment, and maintenance; and project and program management.

Course Objectives:

Upon completion of this training participants will be able to:

1. Apply the steps in the planning process to research, assess, develop, and implement short- and long-term preservation and treatment strategies specific to park cultural resources.
2. Develop and execute preservation and rehabilitation treatments within the framework of laws, regulations, policies, standards, and documents that govern work on cultural resources.
3. Integrate compliance timelines into the planning process, integrating NEPA and NHPA processes to reduce or eliminate decisions whose results expose management to controversial or legal actions.
4. Ensure that all preservation, treatment intervention, and maintenance work accomplished is evaluated, documented, and preserved.
5. Utilize databases, such as the Facility Management Software System (FMSS), in the assessment, tracking, funding, and documentation of treatment work on cultural resources.

Tuition is paid for by NPS Learning & Development. The benefiting account pays for participants' travel and per diem. Travel scholarships may be available to defray costs. Registration deadline is August 9, 2013. Apply in DOI Learn. Select *Search the Catalog> Continue to Catalog>* In the Search box, type: *Preservation and Treatment>* Scroll down the page to the course listing.

Contact: Roger Anderson, Cultural Resource Training Manager, Mather Training Center, 304-535-5051 (office); 240-446-7256 (cell).

It's Time to Register for the Pecos Conference!

The Pecos Conference 2013 is quickly approaching; it's now just 2 months away. This year the conference will be held August 8-11 at Coconino NF, outside of Flagstaff, AZ.

First inspired and organized by A.V. Kidder in 1927, the Pecos Conference has no formal organization or permanent leadership. Somehow, professional archaeologists find ways to organize themselves to meet at a new conference location each summer, mostly because they understand the problems of working in isolation in the field and the importance of direct face time with colleagues. To make progress with objective science and with other cultural matters, books and journal articles are important, but one still must look colleagues in the eye and work out the details of one's research in cooperative and contentious forums.

Open to all, the Pecos Conference remains an important opportunity for students and students of prehistory to meet with professional archaeologists on a one-on-one informal basis to learn about the profession, gain access to resources and to new research opportunities, and to test new methods and theories related to archaeology.

Early registration ends on June 30. Starting on July 1, the registration fee will increase to \$45 and any souvenirs you order must be mailed (postage paid by you) rather than picked up at the conference. To register, visit the website at http://www.swanet.org/2013_pecos_conference/prereg.html.

Informational resources on the Web about climate change:

Climate Change Threatens Historic Jamestowne

Rising sea levels are threatening Historic Jamestowne, part of Colonial NHP and site of the first permanent English settlement in North America. Jamestown Island, where most of Jamestown is located, lies 3 feet or less above the tidal James River. Scientists project that it will be underwater by 2100 but flooding will increase long before then.

Storms and erosion already have taken their toll. The island was created by an 18th-century storm that punctured a land bridge that once connected the Jamestown peninsula to the mainland. Most of the 1,473-acre island lies within the national park. A 22½ -acre area that includes the original fort site and a 17th-century church tower is owned and managed by the nonprofit Preservation Virginia. Much of the island was flooded in 2003 by Hurricane Isabel, which damaged the NPS visitor center and caused \$3.5 million in damage to ceramics, metal tools, and other artifacts in the center.

"What we're seeing and what's being predicted is the sea-level rise is going to exacerbate everything," Dorothy Geyer, natural resource specialist at Colonial NHP. Geyer said the NPS is working to determine how to adapt, looking at current studies, and planning additional research. In 50 to 100 years, lands that the colonists walked on "are not going to be there anymore," said Carl Hobbs, a marine geologist with the nearby Virginia Institute of Marine Science.

Two environmental groups, the Rocky Mountain Climate Organization and the Natural Resources Defense Council, warned in a 2010 report that Jamestown is in danger of being inundated by the river. Historic Jamestowne was one of 25 national parks at risk from climate change identified in the report. The other 24 are Acadia NP, Assateague Island NS, Bandelier NM, Biscayne NP, Cape Hatteras NS, Denali NP&P, Dry Tortugas NP, Ellis Island NM, Everglades NP, Glacier NP, Great Smoky Mountains NP, Indiana Dunes NL, Joshua Tree NP, Lake Mead NRA, Mesa Verde NP, Mount Rainier NP, Padre Island NS, Rocky Mountain NP, Saguaro NP, Theodore Roosevelt NP, Virgin Island NP, Virgin Island Coral Reef NM, Yellowstone NP, Yosemite NP, and Zion NP.

To read the full report, go to <http://rockymountainclimate.org/website%20pictures/National-Parks-In-Peril-final.pdf>

Cultural Resources in the Climate Change Response Program

The Climate Change Response Program (CCRP) includes a small staff who serve the NPS in climate change science and modeling, interpretation and education, resource management, landscape connectivity, monitoring, planning, coastal hazards, cultural anthropology, and renewable energy use. The CCRP embraces an emphasis on science in decision-making, enhancing workforce climate literacy, and reaching youth and providing career opportunities through internships and fellowships. CCRP has placed 100 students in parks and offices across the country in internship and fellowship programs.

Marcy Rockman is the NPS Climate Change Adaptation Coordinator for Cultural Resources. She is currently involved in cultural resource-related projects, including the development of a comprehensive Cultural Resource Adaptation program plan; the development of a handbook outlining the types of impacts observed and anticipated from climate change to cultural resources across the nation; and the development of management options for vulnerable cultural resources in the coastal zones.

NPS Climate Change Response Program Resources

Climate Change Response Program website

<http://www.nature.nps.gov/climatechange/>

Climate Change Brochure

<http://www.nature.nps.gov/ClimateChange/docs/NPSClimateChangeBrochure.pdf>

Climate Change Response Program Newsletter

http://www.nature.nps.gov/ClimateChange/assets/newsletters/2010/December_2010_CCRNews.pdf

Contact: Marcy Rockman (202) 354-2105

NPS Climate Change Response Program Offers Cultural Resource Webinars

The NPS Climate Change Response Program presents a monthly climate change webinar series in collaboration with the Alaska Regional Office. The purpose of the series is to connect NPS employees, volunteers, and partners with scientists and experts in the field of climate change research. The webinar series is a Service-wide forum where researchers can share credible up-to-date information and research materials about the impacts of changing climate in national parks and provide participants the opportunity to engage with presenters in discussion. Webinars that focus on cultural resources include:

Out of Thin Ice: An Unparalleled Archaeological and Paleobiological Record from Our Nation's Parks and Forests Craig Lee, Research Scientist, Institute of Arctic and Alpine Research (INSTAAR)

Climate, Forests, and Fire in Olympic National Park: Dynamics of the Last 14,000 Years

Dan Gavin, Associate Professor, Department of Geography, University of Oregon

Déjà Vu All Over Again: Comparing Opposition to Evolution and Opposition to Anthropogenic Global Warming Eugenie Scott, Executive Director, National Council for Science Education

How do we manage cultural resources in the face of climate change?: A Framework for Collaborative Management Cheryl Anderson, Director of the Hazards, Climate, and Environment Program, University of Hawai'i Social Science Research Institute

The Many Roles of Archaeology in Climate Change Mitigation and Adaptation Planning

Marcy Rockman, Science & Technology Policy Fellow, AAAS

Ancient Cultures and Climate Change

Robert Griffin, Environmental Archeologist, Marshall Space Flight Center, Huntsville, Alabama

Tribal Resilience in the Face of Climate Change: SAFE Homes and Distributed Generation

Bob Gough

Impacts of Climate Change on Indigenous Communities in Western Alaska

Don Callaway, Senior Cultural Anthropologist, Alaska Region, National Park Service

For more information about this webinar series contact: Melanie Wood, (970) 267 2198

Climate Change on YouTube

The Frontier Scientists YouTube channel has a number of videos – short and long – about archeology, prehistory, and climate change. Several have been sponsored by the NPS. Check them out!

A Zooarchaeologist's Take on Climate Change, sponsored by Lake Clark National Park and Preserve.
<http://www.youtube.com/watch?v=eR9AU6a6l0Q>

Modeling Climate

Very cool graphics!

<http://www.youtube.com/watch?v=zExRvIaLZbU>

3TimeTravel in the Alaskan Arctic

http://www.youtube.com/watch?v=no_o_9wW-Ag

Julie Brigham-Grette presents Lake El' gygytgyn Research

<http://www.youtube.com/watch?v=YxbOSB7zDgY>

Fire In Alaska

Scott Rupp, University of Alaska and Jennifer Barnes, NPS discuss fire trends from climate change.

<http://www.youtube.com/watch?v=h0JREVF8iDc>

The Permafrost Twisted House

<http://www.youtube.com/watch?v=KxvIK1obqcc>

Permafrost Patterns

Ronald Daanen and Vladimir Romanovsky, University of Alaska, explain patterns that permafrost has created in the Arctic.

http://www.youtube.com/watch?v=4j_n7QMKDYc

You can view these and other videos at www.frontierscientists.com

TEDtalks on Climate Change

Even TEDtalk speakers are talking about climate change!

Climate change: Oh, it's real. (8 talks)

http://www.ted.com/playlists/78/climate_change_oh_it_s_real.html

The first talk is by former Vice President Al Gore.

Additional TEDtalks about climate change include:

Let the Environment Guide our Development

http://www.ted.com/talks/johan_rockstrom_let_the_environment_guide_our_development.html

Four environmental 'heresies'

http://www.ted.com/talks/stewart_brand_proclaims_4_environmental_heresies.html

Projects in Parks: is taking a break this month.

Projects in Parks is a feature of the *Archeology E-Gram* that informs others about archeology-related projects in national parks. The full reports are available on the *Projects in Parks* web page <http://www.nps.gov/archeology/sites/npSites/index.htm> or through individual issues of the *Archeology E-Gram*.

Archeology E-Gram, distributed via e-mail on a regular basis, includes announcements about news, new publications, training opportunities, national and regional meetings, and other important goings-on related to public archeology in the NPS and other public agencies. Recipients are encouraged to forward *Archeology E-Grams* to colleagues and relevant mailing lists. The *Archeology E-Gram* is available on the *News and Links* page www.nps.gov/archeology/public/news.htm on the NPS Archeology Program website.

Contact: Karen Mudar at dca@nps.gov to contribute news items, stories for *Projects in Parks*, and to subscribe.