



Archeology Program

National Park Service
U.S. Department of the Interior



January 2010 Archeology E-Gram

Pueblo Students Participate in Field Study in Chaco Culture NHP

Fourteen students from Laguna-Acoma Junior and High School participated in the first field study experience for Pueblo students at Chaco Culture NHP in September 2009. The field study complemented Math, Engineering, and Science Achievement (MESA) activities for 7th -12th grade students at the school. The students, many who had never before visited Chaco Culture NHP, met educators and scientists, including a geologist and an astronomer, and interpreters with deep knowledge of the history and cultural and natural resources of the park.

Participation activities and outdoor experiences provided a rich context for learning about the achievements of ancestral Pueblo people. Instructors shared their knowledge through hands-on NASA astronomy activities and comparisons with cultural expressions from other areas of the world, including Maya and Hindu. Through hikes, group discussions, and lectures the students obtained first-hand knowledge of the geometry, engineering, mathematics, astronomy, and geology that were known to the ancestral Puebloans living at Chaco a thousand years ago and how that knowledge is still relevant and alive today in pueblo communities. Students learned about science and mathematics from multi-cultural perspectives which were linked to field experiences related to their cultural roots.

Instructors and facilitators included Joseph Aragon, science teacher and MESA program coordinator; Christina Leoffler, astronomy teacher; Fanny Aragon, middle school teacher; Stephanie Martinez, bus driver; Shelly Valdez, Pueblo educator; Isabel Hawkins, astronomer; GB Cornucopia and Russ Bodnar, NPS interpreters; Tom Lyttle, geologist; Ron Sutcliffe, cultural astronomer; and Espi and Veera Sanjana, educators.

Northwest Arctic Heritage Center Community Opening

The NPS and the NANA Regional Corporation hosted a community opening of the Northwest Arctic Heritage Center in Kotzebue, Alaska, on December 19, 2009. The opening included the Northern Lights Dancers, songs from the Nikaitchuat School students, exhibits, and a book store. The heritage center includes space for visitor services and for NPS operations. The 90-person multipurpose room can be used for programs ranging from Junior Rangers, to research presentations, to native dances.

The NPS and NANA are currently planning a larger "grand opening" for June 2010.

***George Wright Forum* Focuses on NPS Ethnography**

The current issue of the *George Wright Forum* (Volume 26, Number 3) focuses on ethnography in the National Park System. NPS Anthropologist Jacilee Wray is the guest editor and Jerry L. Rogers, former NPS Associate Director for Cultural Resources, contributed the NPS Centennial Essay. The 11 articles, by authors that include NPS employees Sarah Stehn, Kirsten M. Leong, Alexa Roberts, Allison Pena, David Ruppert, Michael Evans, Jenny Masur, and Barbara Cellarius examine the role that ethnography and ethnographic methods can play in civic engagement, consultation, and creating and implementing policy.

The NPS Ethnography Program was established in 1981. Never a large program, there are currently 29 anthropologists in the NPS. The Chief Ethnographer's position has been vacant since 2003.

For more information about ethnography in the NPS, go to <http://www.nps.gov/ethnography/>.

Illinois Man Convicted of ARPA Violation

Leslie Jones was sentenced January 19, 2010, for knowingly removing thousands of historical artifacts from a southern Illinois national wildlife refuge. Jones was sentenced to 30 days imprisonment, 500 hours community service, 5 years probation, and to pay \$150,326 in restitution to Cypress Creek National Wildlife Refuge (NWR) for excavating, collecting, and transporting illegally taken archeological resources from a prehistoric Native American site on the refuge. In his plea agreement, Jones admitted selling the articles to supplement his income.

In January 2007, Jones was observed by Fish & Wildlife Service (FWS) personnel digging and removing artifacts from an archeological site on the Cypress Creek NWR. Law enforcement officers and special agents from FWS, Forest Service, Illinois Department of Natural Resources, and Johnson County Sheriff's Office seized 13,232 artifacts from Jones' residence during the execution of a Federal search warrant. The artifacts included pottery, clay figurines, tools, and over 200 pieces of human bone. Staff from the Shawnee National Forest (NF) and Southern Illinois University-Carbondale assessed the estimated value of the damage to the site at more than \$150,000.

According to Mary McCorvie, Forest Archeologist, Shawnee (NF), public awareness and interest plays a role in combating and preventing similar crimes. "We've found that the public's interest in preservation is critical to reducing vandalism. People are aware of a number of sites like this that contain significant cultural resources, and we'd love them to both refrain from taking found artifacts, and report suspected incidences of vandalism or theft."

Under the Archaeological Resources Protection Act (ARPA), it is a felony to disturb, alter, remove, or damage archeological sites and objects on Federal lands. Persons found guilty of offenses against ARPA can be punished by up to two years in prison and up to \$250,000, for the first offense.

To report looting activity on Federal land, call the national ARPA hotline, at 1-800-227-7286.

DOI Office of Inspector General Issues Report on Interior Department Museum Collections

Approximately 35 percent of the 146 million museum items held by the Department of the Interior in 625 DOI facilities and over 1,000 non-DOI facilities are archeological objects. Also, 60 percent of the total museum items are documents, of which a significant proportion is archeological associated records. A study of DOI bureau museum collections issued by the Office of the Inspector General (OIG) found that much progress has been made in developing department-wide policies for collections care since the last OIG study in 1990, but DOI is not meeting its overall stewardship responsibilities for museum collections.

The OIG made a number of recommendations for improving accountability and preservation of the collections in both DOI and non-DOI facilities. For example, the OIG urged that bureaus be required to adhere to the standards and procedures in the DOI Museum Handbooks for accessioning, cataloging, and inventorying museum collections. The report also highlighted successful strategies for managing museum collections used by individual bureau units, including partnerships, consolidating collections, and a team approach to cataloging. About half of DOI museum collections remain uncataloged, which limits accountability and accessibility for research, exhibition, and cultural use. The OIG did not directly speak to the significant resources needed to address its recommendations.

To read the 20 page report, go to <http://www.doioig.gov/upload/2010-I-0005.pdf>

NPS Park NAGPRA Program Announces Intern Projects

The Park NAGPRA internship program provides opportunities for students to work in parks, centers, and offices nationwide on projects related to the Native American Graves Protection and Repatriation Act (NAGPRA). Four projects from three regions – Intermountain, Southeast, and Pacific West – have been selected for support in 2010.

Little Bighorn Battlefield National Monument Consultation, Repatriation, and Reburial Assistance (\$7,000)

The project will support one part-time student at Little Bighorn Battlefield NM to facilitate NAGPRA responsibilities.

NAGPRA Inventory Completions for Navajo and Canyon de Chelly National Monuments (\$8,000)

Neither Navajo NM nor Canyon de Chelly NM has published their Notices of Inventory Completion in the **Federal Register**. Both park units have received project funding to complete the process and carry out the full range of activities that must be completed.

Lake Mead National Recreation Area and Yosemite National Park Notices of Inventory Completion (\$8,000)

The Lake Mead NRA grant will continue work on a Notice of Inventory Completion for its NAGPRA inventory that was initiated with an FY 2009 NAGPRA internship. The Yosemite NP component of the project will implement NAGPRA for inventory materials and inadvertent discoveries/intentional excavations.

Assist Southeast Archeological Center with Completing NAGPRA Summary, Inventory and Notices; Assist with Cultural Affiliation Study and Consultations for Fort Frederica National Park (\$8,000)

The intern will assist the NAGPRA Coordinator and museum staff to resolve several current and outstanding NAGPRA issues, focusing on completing the final inventory and summary of Native American human remains and unassociated funerary objects from Fort Frederica NP that came into the collection after 1995.

NPS Archeology Program Announces Two Archeology Positions in WASO

The NPS Archeology Program is seeking qualified applicants to fill two archeologist vacancies in the Washington Office. The positions are GS 12/13, and are permanent. They are open to all qualified candidates. These positions are re-advertised. In order to be considered, applicants to the previous advertisement must also apply to the current advertisement. The closing date is February 15, 2010.

For more information and to apply online, go to the position announcement on USAJobs at

<http://jobview.usajobs.gov/GetJob.aspx?JobID=85627416&JobTitle=Archeologist&sort=rv&vw=d&brd=3876&ss=0&FedEmp=N&FedPub=Y&q=NPS+Archeologist+Washington+dc&AVSDM=2010-01-14+17%3a01%3a00>

NPS and FLETC Offer Archeological Resources Protection Training

The NPS and the Federal Law Enforcement Training Center (FLETC) will jointly offer *Archeological Resources Protection Training* Program (XP-ARPTP-002) at Glen Canyon NRA, Page, AZ. This 37-hour FLETC course provides training in all aspects of an archeological investigation and subsequent prosecution of the crimes. The class culminates in a 12-hour archeological crime scene practical exercise where law enforcement officers and archeologist work as a team to investigate and document a crime scene. Attendees will gather and process physical evidence, write incident reports, executive summaries, search warrants, damage assessments, and provide testimony in a courtroom scenario. Open to all sworn law enforcement officers, prosecutors, and Federal archeologists.

NPS applicants should contact Wiley Golden at 912-267-2246 for registration. All others should contact their national academy representatives at FLETC. Contact FLETC senior instructor Charles Louke at 912-280-5188 for course information.

University of Wyoming/NPS Research Center Offers Grants

The NPS and University of Wyoming are offering small grants for research in the greater Yellowstone area, including Grand Teton NP and Yellowstone NP. Research topics include natural and cultural resources, history, and social science research. Budgets should be \$5,000 or less and work should be completed in one year. This call for proposals is directed to US academic and agency researchers. Applications are due electronically by March 15, 2010.

Application materials may be found at www.cfc.umt.edu/CESU/NEWCESU/Assets/Proposals/UW-NPS%20Center_RFP%202010.pdf. A list of research needs at Grand Teton NP is included in the application materials; research needs at Yellowstone NP may be found at www.greateryellowstonescience.org.

Summer Jobs with NPS HABS/HAER/HALS

The NPS Heritage Documentation Programs (Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscapes Survey) are soliciting applications for Summer internships and two fellowships. Applicants must apply separately for each position.

HABS/HAER/HALS Summer Internships

The NPS Heritage Documentation Programs seek applications from qualified individuals for summer employment documenting historic sites and structures of architectural, engineering and landscape significance throughout the country. Duties involve on-site field work and the preparation of measured and interpretive drawings and written historical reports for the HABS/HAER/HALS Collection at the Prints and Photographs Division, Library of Congress. Projects last twelve weeks, beginning in May/June. Salaries range from approximately \$6,000 to \$11,000 for the summer, depending on job responsibility, locality of the project, and level of experience. Applicants must be U.S. citizens. Applications due: 8 February 2010 (postmark date).

Application forms and detailed information can be found at www.nps.gov/history/hdp/jobs/summer.htm
To view examples of HDP documentation on the Library of Congress web site, go to <http://lcweb2.loc.gov/ammem/hhhtml/hhhome.html>

HABS-SAH Sally Kress Tompkins Fellowship

The Sally Kress Tompkins Fellowship, a joint program of the Historic American Buildings Survey (HABS) and the Society of Architectural Historians (SAH), funds an architectural historian to conduct research on a 12 week HABS project during the summer of 2010. The award consists of a \$10,000 stipend. The fellowship is open to students pursuing graduate studies in architectural history or other related fields.

Applications due: 1 February 2010 (postmark date).

For detailed information, go to www.nps.gov/history/hdp/jobs/tompkins.htm
or contact James A. Jacobs at 202-354-2184.

Maritime Documentation Internship 2010

The Maritime Documentation Internship, a joint program of the Historic American Engineering Record (HAER) and the Council of American Maritime Museums (CAMM) funds a student or recent graduate of

architecture or history interested in maritime preservation, to work on a HAER maritime documentation project. The selected recipient will receive a stipend of approximately \$7,000 and will work with a HAER team for 12 weeks during the summer. The internship will require research and writing or measuring and drafting of historic maritime resources. The applicant must be a U.S. citizen.
Applications due: 8 February 2010 (postmark date).

For detailed information, go to www.nps.gov/history/hdp/jobs/maritime.htm or contact Todd Croteau at (202) 354-2167.

For additional information regarding any of the Heritage Documentation Programs Summer 2010 Employment Opportunities, please contact Judy Davis, Summer Program Administrator, Heritage Documentation Programs Division; 202-354-2135 or HDP_Summer_Program_Admin@nps.gov

BLM Seeks Partner for Archeological Fieldwork

The Bureau of Land Management is advertising a cooperative agreement (ARRA-BLM-AK-RFR-10-1888) on the www.grants.gov website. This project is designed to be a partnership between the Bureau and a nonprofit (i.e. museum, university, preservation group, etc.) to undertake archeological survey on public land in Alaska to identify hazards located on abandoned mine lands. The total estimated funding for this project is \$500,000. The duration of the project is anticipated to be three years. This advertisement closes on February 10, 2010.

For questions related to the grant process see the contact information listed on the website. For questions related to the particulars of the project, contact Bill Hedman, Archeologist, BLM Central Yukon Field Office, Fairbanks, AK, at 907-474-2375.

Federal Archeology Publications

Geophysical Investigations at the Nezekaw Terrace Mound Group (Site 13AM82), Effigy Mounds National Monument, Allamakee County, Iowa
Stephen De Vore. NPS Midwest Archeological Center Technical Report Number 118, 2009.

As museums and repositories struggle to adequately care for extant archeological collections, Federal archeologists are turning more and more to non-excavation methods to collect data. De Vore demonstrates ways that non-excavation geophysical research can provide data about mound location with examples from Effigy Mound NM.

In the 1800s, the confluence of the Yellow and Mississippi Rivers had a wonderfully high concentration of conical, linear, and bear effigy mounds. In 1892, T.H. Lewis recorded 63 mounds on the Nezegaw Terrace within the present monument. By 1950, only eight mounds could be identified; the remainder had been destroyed by agricultural activities. Clearly and briefly, De Vore describes the four geophysical prospection methods used to locate mounds within a portion of the terrace: magnetic survey, resistance survey, conductivity survey, and ground penetrating radar. In addition to these methods, the research team used LiDAR and historic aerial photos to interpret subtle data.

The research results were surprising. De Vore and his team expected to identify remnants of two bear effigies and three conical mounds within the area. They found these, and signs of an *additional* four mounds, validating early 20th century observations. While ground truthing is needed to learn more, these nondestructive survey methods have provided sufficient information to ensure that the area is protected.

Projects in Parks: NPS Investigates Sunken Ships in Isle Royale NP

Some of the most interesting archeological resources in Isle Royale NP are hidden by the frigid waters of Lake Superior. The island, about 20 miles east of Minnesota and 50 miles north of Michigan's Upper Peninsula, is close to shipping lanes from Duluth and Thunder Bay, Ontario. Isle Royale's harbors were potential refuge during storms, but primitive navigation technology also made them treacherous. At least 10 wrecks of large ships, dating from 1870s to the 1950s, lie within the boundaries of the park. These sites comprise one of the most intact collections of shipwrecks in the National Park System. Investigations of shipwrecks have provided us with a more complete picture of the connections between lake and daily life on Lake Superior during the late 19th and early 20th century. Preserved by the cold, fresh waters of Lake Superior, the shipwrecks and submerged terrestrial sites offer amazing insights into Great Lakes shipping, commercial fishing, and the early settlement of Isle Royale.

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 National Park Service 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 Archeology Program web site.

Projects in Parks is a feature of the *Archeology E-Gram* that informs others about archeology-related projects in national parks. Prospective authors should review information about submitting photographs on the *Projects in Parks* web page on InsideNPS. The full reports are available on the *Research in the Parks* web page <http://www.nps.gov/archeology/sites/npsites.htm> or through individual issues of the *Archeology E-Gram*.

Contact: dca@nps.gov to contribute news items, stories for *Projects in Parks*, submit citations and a brief abstract for your peer-reviewed publications, and to subscribe.