



# Archeology Program

National Park Service  
U.S. Department of the Interior



## March 2012 Archeology E-Gram

### Death of Archeologist Patrick Mullen

Patrick Mullen, archeologist at Wrangell-St. Elias NP and P, died in a car accident March 9, 2012. Mullen was born in Farmington, New Mexico, on November 13, 1982. He earned a B.A. in anthropology from the University of New Mexico in 2005, and an M.A. from the University of Wyoming in 2008. At the time of his death, he was pursuing a Ph.D. Patrick worked Wrangell-St. Elias NP and P in 2009 and 2010 as a summer seasonal field archeologist and was hired full-time as the park's compliance archeologist in the fall of 2010. Patrick will be greatly missed.

He leaves behind his wife, Willa, and many colleagues and friends. A memorial service was held at Albuquerque Academy on March 16, 2012. A memorial is also being planned in Wrangell-St. Elias National Park later this year.

**Contact:** Miranda Terwilliger (907) 822-7232.

Donations in Patricks's memory may be sent to the Albuquerque Academy scholarship fund at [www\\_aa.edu](http://www_aa.edu) or the New Mexico Wilderness Alliance, [www\\_nmwild.org](http://www_nmwild.org).

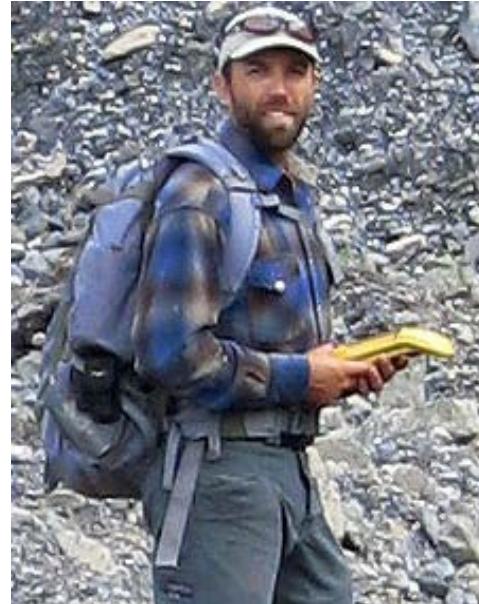
### Death of Southwest Archeologist David A. Breternitz

David A. Breternitz, former Professor of Anthropology at the University of Colorado, passed away from pneumonia at 82 after a long illness on March 5, 2012. Breternitz was a long-term friend and partner of the NPS, and mentor to many NPS archeologists, including Adrienne Anderson, Bruce Anderson, Ted Birkedal, Cal Calabrese, Scott Carpenter, Larry Nordby, and Doug Scott.

A student of Southwest archeologist Emil Haury, Breternitz is known for work correlating tree ring dates with Southwestern ceramic types and styles. His meticulous research projects allowed archeologists to date ceramics in the American Southwest with chronological certainty.

His partnership with the NPS began with an archeology project in Dinosaur NM in 1963. This was followed by projects at Mesa Verde NP in the late 1960s and early 1970s. Many of his students at the University of Colorado got their start in one or both of these parks.

In the 1970s, Breternitz and the University of Colorado were selected to conduct the huge Delores Archeological Project north of Mesa Verde NP on behalf of the BOR. The surveys and excavations that were undertaken during this long-term project (1978-1985) uncovered much new and important information on the dynamics of Puebloan culture in the Mesa Verde Region. The project also trained a cadre of archeologists, many of which chose careers in the NPS.



Breternitz's professional work was not confined to the American Southwest. He was highly-regarded for his archeological work on the short grass plains of Colorado and his research on reservoir-threatened ancient village sites in northern Nigeria. In retirement, Breternitz continued to keep his foot in archeology through contract and volunteer work, and he established close connections with the Crow Creek Archeological Center in southwestern Colorado.

To all who knew him "Dr. Dave" will be sorely missed. He shaped many careers and lives in the NPS.

*by Ted Birkedal, Team Manager, Cultural Resources, Alaska Regional Office*

**Steamtown National Historical Site Celebrates National Park Week with Archeological Exhibit**

In conjunction with National Park Week, Steamtown NHS will launch a new exhibit "What Can Be Found Under the Ground in a Railroad Yard." The new exhibit will trace the history of the railroad yard through the use of archeological objects. SCEP Curator Sarah Smith, with the assistance of Park Ranger Ken Ganz, created and designed the interactive exhibit. It includes an above-ground excavation with a "dig and match" activity where families and children can dig and sift through sediment to find items that match objects in the display cases from the different time periods of the railroad yard. The goal of the exhibit is to encourage social interaction between children and their families and to encourage the participants to think about what kinds of people worked and lived in and near the railroad yard. The exhibit was sponsored, in part, by a generous grant from the Lackawanna Heritage Valley, in partnership with the Pennsylvania Department of Conservation and Natural Resources and the National Park Service.



Steamtown NHS will offer a Fee Free Week, waiving the daily \$7.00 entrance fee during National Park Week, Saturday, April 21, to Sunday, April 29, 2012. All indoor and outdoor exhibit areas and park museum facilities including the Visitor Center, Technology Museum, History Museum, Ranger-guided tours, and the park movie "Steel and Steam" are included in the Fee Free Week. The park will also feature special Education and Discovery Center programs for children, and celebrate National Junior Ranger Day on April 28, when children ages 6-12 can complete activities to become Junior Rangers during their visit.

First celebrated in 1994, National Park Week was designated by Presidential Proclamation to commemorate the 75th anniversary of the NPS. This year, Steamtown NHS will once again join the nation's 397 National Park units in celebrating the many ways in which these national treasures enrich people's lives.

The park will also run the popular Scranton Limited train rides beginning April 28, 2012, and will operate Wednesday through Sunday, a 3-mile round trip that crosses the Lackawanna River and passes the historic Radisson at Lackawanna Station Hotel. Near the University of Scranton, the train begins its return to the roundhouse. For a unique view of the operations, each departure of the Scranton Limited will allow one rider in the steam and/or diesel locomotive cab.

For more information, go to the Steamtown NHS web site at [www.nps.gov/stea](http://www.nps.gov/stea).

### **Interior Departmental Consulting Archeologist Requests Data for Federal Archeology Report**

The DOI Departmental Consulting Archeologist solicits information about Federal archeology through an annual questionnaire. Agencies also report on resolved cases of archeological resources law violations on Federal and Indian lands. The questionnaire solicits important summary information about activities that Federal agencies carry out as part of their stewardship responsibilities for archeological resources. The questionnaire is the only source for data about archeological activities and resources managed by Federal agencies that are collected separately from information about other cultural resources.

Letters soliciting archeological data were sent in February to Federal agencies that managed land, supported Federal undertakings, or issue permits for undertakings that have the potential to affect archeological resources. Responses are due on April 16, 2012, but the Archeology Program will accept data at any time. Quantitative data will be posted to "Secretary's Report to Congress on Federal Archeology" webpages on the NPS Archeology Program website at <http://www.nps.gov/archeology/SRC/index.htm>.

**Contact:** Karen Mudar, NPS Archeologist (202) 354-2103

### **Archeological Resources in "Teaching with Museum Collections"**

**(Editor's Note:** Five years ago, the Archeology E-gram presented information about archeological teaching resources on other NPS websites. NPS Archeology Program Intern Christine Orricchio will report over the next several months on new archeology postings to these websites since we last visited them in 2007.)

Museum collections connect students to their past; to rich and varied cultures; and to momentous events, inspired ideas, and the places where history happened. The NPS Museum Management Program's "Teaching with Museum Collections" web pages provide lesson plans for educators to use NPS collections in student-centered activities. The lesson plans emphasize the links between the "real things" – objects in museum collections – and America's history and prehistory.

The NPS Museum Management Program has added 45 new lesson plans since 2007. Over 53 object-based inquiries are available to capture elementary and middle school students' attention and engage them in vivid, creative, and exciting classroom activities. Many of the lessons are historically oriented and emphasize the significance of an important person in history. Other lessons utilize archeological museum collections to discuss European colonization of North America, military campaigns, and American Indian traditions. The website includes lessons for 23 NPS units. Four of these, Morristown NHP, Independence

NHP, Valley Forge NHP, and Guilford Courthouse NMP are featured together in the curriculum “American Revolutionary War.”

Each curriculum includes the relevant national education standards outlined by specific subjects (such as music, art, English language arts, and mathematics), and student learning objectives. The lesson plans also allow educators to use their own techniques and add their special flare to activities. “The American Revolution, A Revolution of Possibilities: Politics, Economy and Society” is a good example of lesson plans that use museum collections in an efficient and interesting manner for students. Printable PDF worksheets accompany most lessons and provide students a hands-on analytical approach to investigate and understand the significance of objects in museum collections. Images of relevant objects for discussion are posted with each lesson and can easily be incorporated into a Power Point presentation.

At least 11 lesson plans have archeological components. Two new archeological object-based lessons plans are for Death Valley NP, and Manzanar NHS. The Death Valley NP lessons focus on Indian foodways in the region by examining how subsistence tools are developed and used. For a hands-on approach to understanding how environments shape culture, students can express their ingenuity and develop a tool of their own with materials they find in their neighborhood, or recreate the implements they learned about in class.



Photo from Manzanar NHS lesson plan.

The Manzanar NHS lesson plan offers an examination of Indian trade and currency. Students are presented with the concepts of reciprocity and exchange, and extrapolate these notions to recognize contemporary purposes for dollars and cents. In evaluation of how the trade bead system came to existence, students discuss the American westward expansion and the effects on American Indian populations. Vivid photos of beads and garments adorned with beaded designs help students visualize the impact of the trade system.

These lesson plans and others are available on the NPS Museum Management Program website at <http://www.nps.gov/history/museum/index.html>

#### New Archeological National Historic Landmark Designated

Secretary of the Interior Ken Salazar announced the designation of 13 new National Historic Landmarks (NHLs) in 9 different states, including a site associated with the famed Apache scouts, the largest collection of Frank Lloyd Wright buildings in the world, and an early 18th-century parish church.

The new NHLs include the Carrizo Plain Archeological District (San Luis Obispo County, California), that represents a unique concentration of sites pre-dating European contact, art, and artifacts. The Carrizo Plain Archeological District contains hundreds of significant cultural sites. These include everything from 10,000 year old Native American campsites to 19th century homesteads. Many of the Carrizo sites have been listed on the National Register of Historic Places.

NHLs are nationally significant historic places that possess exceptional value or quality in illustrating or interpreting the heritage of the United States. The program, established in 1935, is administered by the NPS on behalf of the Secretary of the Interior.

To read the entire nomination for the Carrizo Plain Archeological District, go to  
<http://www.nps.gov/nhl/Spring11Noms/CARRIZOREDACTED.pdf>

**Archaeological Institute of America Organizes National Archeology Day**

The Archaeological Institute of America (AIA) is organizing National Archaeology Day to be held on October 20, 2012. National Archaeology Day is a celebration of archeology and emphasizes the idea that archeology is everywhere. Participating organizations across the U.S. and Canada and around the world to raise awareness of archeology and provide opportunities for the public to participate in archeological activities. Last year the inaugural National Archaeology Day was recognized by Congress and more than 14,000 people participated in over 100 events across the U.S. and Canada.

The AIA is promoting participation in National Archaeology Day this year by inviting Federal agencies to become Collaborating Organizations. Collaborating Organizations hold events and/or promote National Archaeology Day to their members and the events will be listed on the 2012 National Archaeology Day website. A centralized calendar listing all events (on [www.nationalarchaeologyday.org](http://www.nationalarchaeologyday.org)) will be maintained by the Archaeological Institute of America (AIA). This year the NPS is a Collaborating Organization and parks should plan to coordinate public archeological programs around the October 20 date.

For more information about the AIA and National Archaeology Day, go to  
<http://archaeological.org/NAD/about>

**Contact:** Meredith Anderson Langlitz, AIA Senior Programs Coordinator, (617) 358-5909.

**Voice of America Offers Radio Archeology Program**

Since September 2011, Voice of America has broadcast “Indiana Jones: Myth, Reality and 21st Century Archaeology,” a series of radio programs about archeology. Through interviews, host Joe Schuldenrein, explores myths surrounding public perceptions of archeology and acquaints listeners with the contemporary practices in unearthing the human past. The lively, provocative, and informative discussions will appeal to archeological practitioners as well as the general public.

Schuldenrein’s scientific background and research experience contributes as much to the interview as the expertise of his guests. He is president and senior scientist of Geoarcheology Research Associates (GRA) and has been a Visiting Scholar at New York University since 1996. His projects have ranged from human origins investigations to the beginnings of civilization of the Indus Valley. Recent research in North America has concentrated on the archeology of New York City and Native American landscapes of the Atlantic Coast. His newest venture is an assessment of Cultural Heritage Sites in war-torn Afghanistan.

Themes of the radio program range from the evolution vs. creationism controversy based on updated fossil records and innovative DNA studies to discussions of funding sources for archeology in the U.S. (Hint: think oil and gas industry). Experts comment on the latest high-tech approaches to buried archaeological landscapes that provide clues to understanding climate change, past, present and future. Speakers, to date, include Steve Lekson, Vance Holliday, and Tom King.

Indiana Jones: Myth, Reality and 21st Century Archaeology is broadcast live every Wednesday at 3 PM Pacific Time on the VoiceAmerica Variety Channel. To access past episodes, go to [www.voiceamerica.com/episode/56450/indys-footprint-archaeology-religion-and-the-material-foundations-of-western-civilization](http://www.voiceamerica.com/episode/56450/indys-footprint-archaeology-religion-and-the-material-foundations-of-western-civilization).

### **Fire READ Training Offered**

This course provides participants with the training to serve as Resource Advisors (READs) during wildland fires. READs work with Incident Management Teams and fireline personnel to minimize the impacts of fire, fire management activities, and post-fire conditions on natural and cultural resources. READs are also critical as the starting point after fires for identifying needs related to the repair of fire suppression impacts, Burned Area Emergency Response (BAER) and Burned Area Rehabilitation (BAR).

Course participants will become familiar with the mechanisms through which fire, operations and post-fire conditions can impact various resource classes (e.g., vegetation, wildlife, cultural resources, soils, wilderness), and tools available to the READ for avoiding, minimizing and mitigating those impacts. Course participants are provided an extensive electronic resource advising library, organized by subject matter, containing policies, guidelines, technical publications, templates, and forms.



Training will be held in Klamath Falls, Oregon, on May 16-17; Boise, Idaho on May 23-24; and Yosemite NP, on June 5-7, 2012. There are no prerequisites to attend the course. Once selections have been made, pre-course assignments will be e-mailed to each course participant. There is no tuition to attend the course, but the home unit should absorb all travel costs. Specific travel and other logistical information will be provided as participants are selected. All applications must be received by COB, April 13, 2012.

READ inspecting fire impacts.

For an application, contact NPS PWR Regional Fire Archeologist Nelson Siefkin (415) 623-2213 or (510) 207-7357 (cell).

### **Submerged Resources Archaeological Damage Assessment Methods Offered**

Geoscience Earth and Marine Services will host “Submerged Resources Archaeological Damage Assessment Methods” in Houston, Texas, on May 7-11, 2012. This class is open to all professional archeologists. Law enforcement officers, prosecuting attorneys, and agency managers who have an interest in archeological damage assessment may sit in on the class during the final two days with no tuition fee.

The tuition is \$850.00. The registration deadline for the class is close of business on Friday, April 13, 2012. The class will be held at the Geoscience Earth and Marine Services office, located at 10615 Shadow Wood Dr. Suite 200 in Houston, Texas. The telephone number of this office is (713)468-1410.

For more information and to register for the class, contact Martin McAllister (406)239-1874.

### **Projects in Parks: New Archeological Discoveries at Moores Creek National Battlefield**

*From an article by Chris Fonvielle, adapted by  
Christine Oricchio, Intern, NPS Archeology  
Program*

A recent NPS NHPA compliance project at Moores Creek National Battlefield (NB), 19 miles north of Wilmington, North Carolina, offered archeologists an opportunity to verify whether the 1776 Battle of Moores Creek actually took place within the national battlefield boundaries. The Battle of Moores Creek Bridge was one of the first Revolutionary War engagements in the South, pitting American Patriots against Loyalists from North Carolina. In December 2011, NPS archeologists and resources managers conducted an archeological survey to locate the battlefield with the help of the Eastern North Carolina Metal Detecting Association and volunteers from the Department of History at the University of North Carolina, Wilmington. One of the goals of the project was to recover artifacts to prove that the battle was actually fought at the purported site.

To read the full report, go to [www.nps.gov/archeology/sites/npSites/mooresCreek.htm](http://www.nps.gov/archeology/sites/npSites/mooresCreek.htm)

**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 *Research in the Parks* web page [www.nps.gov/archeology/sites/npSites/index.htm](http://www.nps.gov/archeology/sites/npSites/index.htm) or through individual issues of the *Archeology E-Gram*. Prospective authors should review information about submitting photographs on the *Projects in Parks* web page on InsideNPS.

**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](http://www.nps.gov/archeology/public/news.htm) on the NPS Archeology Program web site.

**Contact:** Karen Mudar at [dca@nps.gov](mailto: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.



Re-enactment of the Battle of Moores Creek Bridge.