

The Grapevine Newsletter

Volume 7:06

For Cultural Resources Management

June 1997

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State News

Alaska

The Alaska Historical Society/ Museums Alaska Annual Meeting will be held October 19-21, 1997, in Sitka, AK. For further information, contact Orienne Denslow, Sitka Historical Society, 330 Harbor Drive, Sitka, AK 99835.

Illinois

On June 19-21, 1997, the Midwest Regional Office, the Landmarks Preservation Council of Illinois, and the City of Bloomington, Illinois, will host a Community Preservation Leadership Workshop. This will be a two and one-half day participatory experience that will provide 30 to 35 community preservationists from across Illinois with up-to-date and effective information and training in current preservation practices, issues, and strategies. For additional information or an application, please call Evan Lafer at 312-939-5547, ext. 226.

New Mexico

On May 20, 1997, Pima County voters passed the Open Space and Historic Preservation Bond question by a greater than 2:1 margin with 68 percent of voters approving the measure. This bond question appears to have passed with the highest percentage of voter approval of any of the bond questions on the ballot!

This is the first time that voters in Pima County have been asked to consider the importance of historic

preservation projects in their community. It is clear from the voters' response that preservation of archaeological and historic properties as a means to retain and celebrate our cultural heritage is a community priority that is supported by a broad spectrum of the concerned public.

Projects that have been approved for funding include National Register properties that have been selected for their archaeological and historical significance and for their potential to provide the broadest public benefit. These projects include properties already owned by Pima County that are in need of rehabilitation to ensure that these sites are preserved for the enjoyment and benefit of future generations such as Colossal Cave, Agua Caliente Ranch, and Empirita Ranch. Other projects will seek to acquire significant public properties for public use such as the San Agustín Mission - the "Birthplace of Tucson," Robles Ranch in Three Points, and establishment of the Anza National Trail in Cooperation with the National Park Service. Archaeological properties that would be acquired for protection and interpretation in public parks and open space include Tumamoc Hill, the Valencia Site, Los Morteros, and the Pantano townsite.

Many individuals and preservation organizations generously contributed their time, energy, financial support, and enthusiasm to ensure that this bond measure would be successful. I think its passage sets an important precedent for historic preservation efforts, not only for Pima County but for Arizona and the Southwest as well. Everyone's support and efforts are sincerely appreciated.

...continued on Page 2

Linda Mayro, Pima County Cultural
Resources Manager

Conference Calendar

September 11-14, 1997 - Southeastern Regional African American Historic Preservation Conference will be held in Savannah, GA. Contact the Georgia African American Historic Preservation Committee & Network at 404-657-1054.

September 18-21, 1997 - Rocky Mountain Anthropological Conference will hold its third biennial meetings at the Holiday Inn in Bozeman, Montana. For more information, contact Kenneth Cannon, NPS Midwest Archaeological Center, Federal Building Room 474, 100 Centennial Mall North, Lincoln, Nebraska, 68508-3873.

October 1-4, 1997 - American Association of State and Local History Annual Meet-

ing will be held in Denver, CO. For further information, contact Susan Goodell, AASLH, 530 Church Street, Suite 600 Nashville, TN 37219; 615-255-2971; E-mail aaslh@nashville.net.

October 15-19, 1997 - National Trust for Historic Preservation Annual Meeting will be held in Santa Fe, NM. Contact: National Trust, 1785 Massachusetts Avenue NW, Washington, DC 20036; 202-747-6455.

October 24-25, 1997 - Constructing Identity: Between Architecture and Culture is a conference addressing political, social, and historical issues. For more information contact HAUS, 143 E. Sibley Hall, Ithaca, NY 14853

Ohio

The Ohio Preservation Alliance Symposium and Annual Meeting will be held June 28, 1997, at the Columbus Athenaeum. This years theme is "Heritage Tourism: Striking a Balance." For further information contact the Ohio Preservation Alliance Symposium, 61 Jefferson Avenue, Columbus, OH 43215, or call 614-221-0227.

Virginia

"Papers on Architecture and the Decorative Arts," Virginia Commonwealth University's Fifth Annual Symposium on Architectural History, will take place at the Virginia Historical Society in Richmond, Virginia, on Friday, 26 September, 1997. The conference has been organized by Professor Charles Brownell of VCU, with the co-sponsorship of the Virginia Historical Society, the Maymont Foundation, the Black History Museum and Cultural Center of Virginia, and the Center for Palladian Studies in America. The four sessions will present fresh discoveries on Richmond architects from Robert Mills to Marion J. Dimmock; on the evolution and marketing of architectural ceramics, art glass, and lighting fixtures in turn-of-the-century Virginia; on the architecture of African-American Virginians in town and country; and on the transformations in British and American chair design from William Morris to Frank Lloyd Wright. Reservations recommended. Admission is free for students on presentation of a valid ID. For others, admission costs \$10 per person for the conference and \$15 per person for the conference and reception afterwards. For reservations, please send checks made payable to VCU to: Department of Art History, Virginia Commonwealth University, P.O. Box 843046, 922 West Franklin Street, Richmond, Virginia 23284-3046. To request the conference flyer or other information, please contact the Department: phone 804-828-ARTH; fax 804-828-7468.

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Call For Papers

The Society for Industrial Archeology's Three Rivers Chapter in conjunction with the Youngstown State University Center for Historic Preservation and the West Virginia University Institute for the History of Technology and Industrial Archeology welcome paper and works-in-progress proposals for a Fall Symposium to be held on the campus of Youngstown State University. Paper proposals may address one or more of the following themes: iron and steel, transportation, coal and coke, mining, glass, ceramics, navigation and maritime history, and social history, as related to historic preservation, the history of technology, and industrial archaeology. Students, professionals, and other interested individuals are encouraged to submit a proposal. Abstracts of 100 words or less should be directed to Lee Maddex, Institute for the History of Technology and Industrial Archaeology, 1535 Mileground, Morgantown, WV 26505. Submissions are due by July 31, 1997.

The Fall Symposium will be held September 25-27, 1997, at the Kilcawley Student Center on the campus of Youngstown State University. A reception will be held Thursday evening, September 25 at the Youngstown Historical Center of Industry and Labor. Tours of local historical industrial sites will follow Friday morning's paper session. An extended tour of nineteenth and early twentieth century iron and steel sites will be conducted by industrial archaeologist Dr. John White of Youngstown State University on Saturday morning, September 27. For more information please contact Dr. Jeff Drobney of Youngstown State University at 330-742-3452 or Lee Maddex at 304-293-2449; or E-mail: lmaddex@wvu.edu.

Society for Historians of the Early American Republic

The 20th annual meeting of the Society for Historians will take place at Harpers Ferry, West Virginia, July 16-19, 1998. The featured theme of the meeting will be "The Invention of American Nationalism(s)." The Program Committee invites and encourages members of SHEAR to propose sessions and papers that will reflect both new approaches to political culture and the traditional concerns that have made the character of nationalism so essential to the study of this period. The committee is interested in the ways that post revolutionary Americans conceived and created notions of national identity, and also in the fracturing of nationalisms in the middle decades of the nineteenth century. The committee also invites papers dealing with the special place that Harpers Ferry holds in the history of American technology and abolitionism, as well as the way in which the history of this site illustrates the problem of presenting the antebellum era to later generations. As always, the Program Committee will give equal consideration to proposals in all the other areas of research that give the early republic its continuing intellectual vitality.

Proposals for individual papers or entire sessions (two papers per session) should be sent by January 15, 1998 to: Jack Rakove, Program Chair, Department of History, Stanford University, Stanford, CA 94305-2024; phone 415-723-4514; fax 415-725-0597; email: rackove@leland.stanford.edu. Proposals should include a brief (one page) prospectus for each paper and a c.v. for all participants.

Scholars who would like to serve as chairs or commentators are invited to write the Program Chair as well. Unless affiliated with disciplines other than history, panelists are required to be members of SHEAR.

Northern New England "Your Town" Program Seeks Applicants

The character, sense of place, and vitality of Northern New England's rural communities are at risk. In the face of forces of change such as mass merchandising, shifting population, and national economic trends, communities in the region are struggling to maintain their identity and economic viability. Land use regulations are often relied upon to control growth and development, but they have limitations when it comes to preserving character and culture. The application of design solutions can be a critical factor in the preservation of rural landscape and town scape in Main, New Hampshire, and Vermont.

Unfortunately, citizens and leaders in these communities often lack understanding and access to design expertise. In response to this need, an initiative has evolved to provide a forum for rural public and private sector leaders to share their skills and to learn new planning and design techniques. This initiative is the "Our Town" program, first developed by the National Trust for Historic Preservation in conjunction with the State University of New York's Landscape Architecture program. Its primary purpose is to spread design assistance efficiently and effectively by training local leaders in a series of three-day workshops. This has been a highly successful approach implemented across the country, and has proven to be a valuable tool in the preservation of local culture and character in a wide variety of geographic settings.

In June of 1997, the North Country Council Community Design Program and the Your Town / Northeast Regional Center for Rural Design will jointly host the Northern New England session of this successful program in Franconia, NH. The three-day intensive program will address specific design issues focusing on the challenges and opportunities of rural Northern New England's small towns. Thirty-five private and public sector leaders will be competitively selected from a three-state applicant pool to participate in the program at no expense to themselves. For more information and applications, please contact Gabriela Canamar at the North Country Council, Inc., 603-444-6303, ext. 21; E-mail gcanamar@moose.ncia.net.

Archaeological Field Technicians and Crew Chiefs

Gray & Pape, Inc.'s, Cincinnati office is currently hiring field technicians and crew chiefs for summer field work on various projects in the Midwest and Mid-Atlantic regions.

Field technicians will be responsible for a range of field activities including shovel testing, unit excavation, surface collection, mapping, and record keeping. These individuals should have a B.A./B.S. in archaeology or related field (with prior coursework in or demonstrated knowledge of archaeology, prehistory, and history) and field school experience. Experience in CRM field work is preferred.

Crew chiefs will be responsible to their supervisors for the administration of Phase I, II, and III field personnel and the organization of crew specific field data. Crew chiefs should have a B.A./B.S. in archaeology or related field and a minimum of one year CRM field supervisory experience.

Benefits include holidays, sick time, and vacation time.

Send resumes to the following address by June 23, 1997:

Lora Anderson
Gray & Pape, Inc.
1318 Main St.
Cincinnati, OH 45210

Gray & Pape, Inc., is an Equal Opportunity Employer.

Job Announcements

Archaeology Field Assistant Environmental/Cultural Resources Section Missouri Department of Transportation (MoDOT)

A full-time, permanent position has become open with the Missouri Department of Transportation's Environmental/Cultural Resources Section. The position requires at least a bachelor's degree from an accredited institution and archaeological field experience. Duties include conducting background research for archaeological studies, conducting Phase I, Phase II, and Phase III archaeological investigations, preparation and analysis of artifacts, and preparation of reports related to proposed transportation projects, as governed by federal and state legislation and regulations.

The Cultural Resources section of MoDOT is based in Jefferson City, the state's capital. Frequent travel within the state of Missouri from Jefferson City is required. Salaries are competitive. MoDOT offers a generous insurance and benefits package to permanent, full-time employees.

Individuals interested in applying should request an application from:

Missouri Department of Transportation
Human Resources Division
P.O. Box 270
Jefferson City, MO 65102
573-751-9200

All applicants will be required to send a vitae/resume, references, and an official copy of transcripts. Drug testing and a physical examination are mandatory before hiring. All applications must be received by 4:00 p.m., June 20, 1997, to be eligible. MoDOT is an equal opportunity employer, protected classes are encouraged to apply.

Laboratory Director

Archaeological and Historical Consultants, Inc. (A&HC), is accepting applications for the position of Laboratory Director. Responsibilities include managing all aspects of artifact analysis and curation. Applicants must have a M.A. (or equivalent experience) in Anthropology, Archaeology, or a closely related field, and must have strong organizational skills. Specialization in prehistoric lithic analysis is preferred, but those with other historic or prehistoric analytic specialties will be considered. Position is full time with competitive salary and benefits including health insurance and benefits. A&HC is located in central Pennsylvania near Penn State University. Established in 1983, A&HC provides archaeological and architectural history services throughout the eastern U. S. and has a full-time staff of over 35 personnel. Send resume, letter of application, and references to Mr. Gary Coppock, Project Manager, Archaeological and Historical Consultants, Inc., PO Box 483, Centre Hall, PA 16828. E.O.E

Available Positions Archaeological Consulting Services

Archaeological Consulting Services (ACS) is a CRM firm based in Connecticut. We are expanding our geographic range throughout the Northeast to include the states of CT, DE, DC, MA, MD, ME, NH, NJ, NY, PA, RI, VA, and VT. We are seeking to fill positions at all levels (field techs, field directors, analysts, and PIs) on a temporary, project by project basis. This is a perfect arrangement for those who wish to remain active in the CRM world without long term commitment or relocation. For more information, please write, E-mail, or call the Director of ACS.

Gregory F. Walwer
ACS Director
145 Union Street
Guilford, CT 06437
203-458-0550
gwalwer@pantheon.yale.edu

State Archaeologist, State of New Mexico

The New Mexico State Historic Preservation Division, Office of Cultural Affairs, seeks to fill the position of State Archaeologist. This individual has statutory and regulatory responsibility for preserving and interpreting the archaeological heritage of the state. The State Archaeologist serves as an advocate for archaeological resources through public programs, publications, and cooperation with professional and avocational societies, Native American communities, and federal, state, and local government agencies.

Job Description

Reviews and approves archaeological survey and excavation permit applications and reports for State lands. Carries out reviews of state undertakings and undertakings on state lands to determine their effect on archaeological resources.

Prepares archaeological overviews and syntheses for the use of professional archaeologists, land-managing and regulatory agencies, and educators; prepares publications about the archaeology of New Mexico suitable for the general public.

Reviews and prepares archaeological nominations for the National Register of Historic Places and the State Register of Cultural Properties. Provides testimony on archaeological subjects to legislative and regulatory bodies and serves as an expert witness in court cases.

Develops programs to foster archaeological education and appreciation among the people of New Mexico.

Job-Related Standard:

Advanced degree from an accredited college or university in Anthropology, plus five (5) years of fieldwork, research, and publications experience, at least two (2) of which must be in the archaeology of the American Southwest.

Demonstrated ability to conduct

archaeological research, analyze archaeological data and complete publishable reports and articles.

At least one (1) year of supervisory experience.

Ability to communicate clearly in writing and in oral presentations; ability to establish and maintain effective working relationships with other professionals, with agency officials, and with the public.

Please send resume and letter of interest to Dr. Lynne Sebastian, State Historic Preservation Officer, 228 East Palace Ave., Santa Fe NM 87501 by June 23, 1997. Inquiries to 505-827-4044 or e-mail to <sebastian@arms.state.nm.us>.

Announcement

Garrow & Associates, Inc., is pleased to announce that they have joined the TRC family of companies. TRC Garrow Associates, Inc., will continue to provide the same level of service and is now able to offer services nationwide. For further information, contact TRC Garrow Associates, Inc., 3772 Pleasantdale Road, Suite 200, Atlanta, GA 30340-4214.

Louis Berger & Associates, Inc., is pleased to announce the following professional staff additions:

Ricardo Fernandez-Sardina
Archaeologist, Richmond, VA Office

Todd Butler
Archaeologist, Marion, IA Office

Publications

A Graveyard Preservation Primer

A Graveyard Preservation Primer, by Lynnette Strangstad is available from AltaMira Press, Order Department, 2455 Teller Road, Thousand Oaks, CA 91320; 805-499-9774; Fax 805-499-0871; E-mail order@sagepub.com. Cost is \$19.95 plus \$2.00 shipping/handling.

Tools of the Trade

Contributing Editor - Tim King

What are Geographic Datums? Why You Should Know!

By Christopher D. Dore

The widespread acceptance and use of the global positioning system (GPS) in archaeology, coupled with recent changes at the United States Geological Survey (USGS), has forced us to reexamine the concept of the datum in much broader terms than those we learned in our first archaeology class. Spurred on by the low cost of GPS receivers and the use of geographic information systems (GIS), archaeologists have rapidly endorsed the GPS as the primary way of determining site coordinates. The GPS provides a wonderful tool for us. - It does, however, require the knowledge of geographical concepts and terminology. Most of us can't remember how to define a geographical datum, coordinate system, ellipsoid, geoid, or projection, even if we were lucky enough to have once taken a geography class. These concepts, however, are essential to understanding, and properly using, the GPS and GIS.

To briefly refresh, a geoid is the shape of the earth as represented by an equipotential surface corresponding to mean sea level such that each point on the surface is normal to the local direction of gravity (relax, the geoid is not directly relevant to this month's column!). An ellipsoid is an elliptical approximation of the geoid that takes into account the flattening of the earth at the poles. A coordinate system is a numeric reference system for defining precise locations on the earth's surface. The Universal Transverse Mercator (UTM) or latitude/longitude (lat/lon) systems are examples of coordinate systems we are familiar with—there are, however, many more. A datum is the arbitrary

origin of a coordinate system. There are both vertical and horizontal datums.

The lat/lon system works well, especially over large areas, since the use of zones are not needed. For most archaeological applications, however, calculations and interpolations using degrees, minutes, and seconds is difficult and bound to produce errors. In addition, since the lat/lon system specifies degree designations from the center of the earth, calculating distances between lat/lon specified points on the earth's surface is extremely difficult. It is for these two main points that the UTM system is the system of choice for archaeologists. Unfortunately, the UTM system is not perfect. Most of the practical problems we, as archaeologists, have with it are not due to the system itself though, just our misapplication of it.

The most frequent error that archaeologists make using the GPS and the UTM coordinate system is that they do not specify the datum. The datum that historically has been used with the UTM coordinate system on USGS maps is the 1927 North American Datum (NAD27). This datum is coupled with the Clarke 1866 ellipsoid. GPS receivers can be set to use any datum. When you change the reference point (datum) for a coordinate system, the same coordinates will fall on a different point on the earth's surface. So, to relocate a site using the UTM coordinates reported on a site form using a GPS receiver, you must tell your GPS receiver what datum goes with the coordinates, if you want to end up where the site is. So far in our discussion, things are not too bad. Since virtually all archaeological work in the United States has used USGS maps with the NAD27 datum, you just have to make sure your GPS receiver also is using NAD27.

Unfortunately, things get worse. About 15 years ago, in 1984, the USGS started using the 1983 North American Datum (NAD83) with the 1980 Global

Reference System (GRS80) ellipsoid. This datum is a more accurate update to the older NAD27 datum and is the one that you generally should use. Let's say you need to relocate a site that was reported five years ago in 1993. You pull the site form and enter the UTM coordinates into your GPS receiver. What datum was used to record the site? You can no longer safely assume that the NAD27 datum was used. This problem is substantial since an identical coordinate under the NAD27 and NAD83 datums can produce a locational error of hundreds of meters! It is essential that you specify the datum every time you specify a UTM coordinate.

Every official site recording form I have seen only asks you for the UTM zone, easting, and northing. This is not the minimum information necessary to locate a point in geographic space. We must report the datum we used when we report UTM coordinates. This is something you specify with a GPS receiver or, if you are working off of a map, can be found in the map's fine print. You also need to let your SHPO, or the agency that manages your site forms, know about this problem so that forms can be corrected. Note, too, that the National Register Bulletin 28 on using the UTM system, does not mention this problem, probably because it was authored in 1977. By not specifying our datums, we are creating volumes of ambiguous data on the locations of sites for future archaeologists.

Christopher D. Dore, Ph.D. wears many hats. He is a principal at Archaeological Mapping Specialists, an archaeologist at Jones & Stokes

The Grapevine Subscription Information

Corporate Rates:

\$30.00 Each corporate subscription is entitled to be included in the newsletter's quarterly corporate listing for one year. This corporate listing, giving address, phone number, and contact person, will be printed at the back of these issues. New corporate subscriptions will be listed each month.

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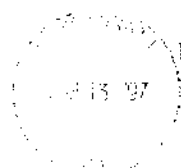
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