

The Grapevine

N e w s l e t t e r

February 12, 1993

FOR CULTURAL RESOURCES MANAGEMENT

Vol 3:2

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• FEDERAL NEWS

Did you know that The National Trust for Historic Preservation has a hotline for all the news on nation-wide preservation issues? The hotline also provides information on pending legislation and other items of interest to the preservation community. Call 1-800-765-NTHP (6847).



Any archaeologist can prepare a National Register of Historic Places nomination form. For those who have never completed such a form or desire more information on completion of the form, the National Park Service publishes a number of bulletins designed to assist archaeologists in the preparation of National Register nominations:

- 15: How to Apply the National Register Criteria for Evaluation.
- 16A: How to Complete the National Register Registration Form.
- 16B: How to Complete the National Register Multiple Property Documentation Form.
- 20: Nominating Historic Vessels and Shipwrecks to the National Register of Historic Places.
- 29: Guidelines for Restricting Information About Historic and Prehistoric Resources.
- 39: Researching a Historic Property.
- 40: Guidelines for Identifying, Evaluating, and Registering America's Historic Battlefields.

- 43: Defining Boundaries for National Register Properties (pending).

For copies of these bulletins, or for further information, contact: National Register of Historic Places, Interagency Resources Division, National Park Service, US Department of Interior, PO Box 37127, Washington, DC 20013-7127.

• STATE NEWS

California

The 190th Annual Battle of San Diego Bay Celebration will be held March 21, 1993, at the United States Naval Submarine Base. The celebration is in honor of the March 22, 1803, ship-to-shore cannon duel between the American Brig *Lelia Byrd* and the Spanish Army. Celebrations begin at noon at the foot of Rosencrans Street in Point Loma. Part of the formal opening ceremony will include the dedication of a California Historic Landmark plaque in honor of Fort Rosencrans. Other activities include festive folk dancing, an exhibit of watercolor paintings of the Battle of San Diego Bay, and authentic Spanish food. For more information, contact: Joaquin Anguera, President, Casa de España, ☎ 619-278-8664, or Ronald V. May, Chair, Fort Guijarros Museum Foundation, ☎ 619-229-0648.

Colorado

Last December, during the winter break, the "Reading Room" at The University of Colorado, Department of Anthropology, underwent a drastic transformation. Removed from the shelves was a major portion of the archaeological materials housed in the facility. These materials, reportedly including all BARs, were then offered respectfully to faculty, students, and outside institutions. It is regrettable that a once valuable resource will no longer be available to the students of archaeology.

Florida

Plans are in the works to computerize Florida's historic properties state site file. The plan is to create two IBM-compatible programs that will not necessitate the user's purchase of additional software. INSITE will be a series of user-friendly input screens that simulate the current site form. OUTASITE will be a program that will generate a form that is a reasonable facsimile of the current form from the Bridge file created by an INSITE run. Full implementation of this process will not take place for a few years; however, Marion Smith, Supervisor, Florida Site File, states that her office will "trumpet

the availability of these computer aids," as soon as they are implemented.

Information taken from *Florida Archaeological Council Newsletter*, Number 10, December 1992.

Illinois

As of January 1, 1993, the staff of the Commission on Chicago Landmarks has been merged into the Department of Planning and Development. The merger was a response to pressure from city hall to cut the city's budget and raise productivity. Members of the Commission on Chicago Landmarks are not pleased with the merger because development will be the department's priority rather than preservation. According to Vince Michael, the Chicago program director for the Landmarks Preservation Council, the commission will have to increase its efforts to ensure that preservation issues get a fair hearing.

Information taken from *Historic Preservation News*, February 1993.

Massachusetts

1993 Archaeology Week in Massachusetts will be celebrated June 19-27. This is the second annual observance of Archaeology Week for the state. The first year's celebration, which included participation by 80 organizations, generated such response that this year State Archaeologist Brana Simon anticipates twice the interest. The deadline for submitting plans for an event, lecture, demonstration, or exhibit was February 8, 1993; however, if you wish to help with scheduled activities or want more information about this year's activities, contact: Brana Simon, State Archeologist, Massachusetts Historical Commission, 80 Boylston Street, Boston, Massachusetts 02116, ☎ 617-727-8470.

Ohio

The Ohio Shipwreck management bill, which was signed into law in the fall of 1991, has finally gone into effect. Currently, the Ohio SHPO is putting together a board to implement this law, which will bring Ohio into compliance with the Abandoned Shipwreck Act of 1987, as well as allow for the establishment of a submerged lands preserve in Lake Erie to protect historic

shipwrecks, aircraft, and prehistoric and historic Native American sites.

Texas

TAC PERMIT APPLICATION PROCEDURES

The January issue of *CRM New & News*, published by the Texas Historical Commission, includes a review and update on application procedures for Texas Antiquities Committee's (TAC) Antiquities Permits. Written by Kathleen McLaughlin, the article explains that the procedures for application have not changed for this process. Applications are still required for any proposed project located on land owned or controlled by the state or a political subdivision of the state.

However, due to the increasing number of requests to expedite permits, changes in the informal process to handle issuance of expedited permits have been implemented. Requests for expedited permits require one week for staff archaeologists to review the completed application and process the permit. After that time, applicants can call the reviewer to request the permit number, and to discuss any changes to the proposed scope of work. All applicants will be notified by mail concerning their permits. FAXed materials must be typewritten or computer-generated, and applicants are advised that color FAX processing is not available for highlighted maps, etc.

• PUBLICATIONS

The Sand Canyon Archaeological Project: A Progress Report, William D. Lipe, ed. Occasional Paper No. 2. Cortez, CO: Crow Canyon Archaeological Center, 1992. 160 pp. \$21.95 (paper).

Art and Artifacts: Essays in Material Culture and Museum Studies in Honor of Jane Powell Dwyer, Harold David Juli, ed. Research Papers in Anthropology, No 5. Providence, RI: Department of Anthropology, Brown University, 1992. 160 pp.

First People: The Early Indians of Virginia, Keith Egloff and Deborah Woodward. Science Museum of Virginia Department of Historic Resources, Richmond, in conjunction with Jefferson National Forest, Roanoke. 72 pp. \$11.95.

• CALL FOR PAPERS

Virginia Academy of Science 71st Annual Meeting
(Archaeology Section)

The Archaeology Section of the Virginia Academy of Science (VAS) will hold its third annual meeting May 20-21, 1993, Old Dominion University, Norfolk, VA. This year's topics will span both prehistory and history, including the recent investigations at the Virginia State Penitentiary and the archaeological applications of Global Positioning Systems (GPS). Individuals wishing to present a 15-minute paper in this program, please

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send paper title, name of author(s), address(es), telephone number, and a one-paragraph abstract to: Mr. Eugene B. Barfield, VAS Archaeology Section Secretary, Jefferson National Forest, 210 Franklin Street Road, SW, Roanoke, VA 24001, ☎ 703-982-6284.

Membership in VAS is required in order to present a paper. Due are \$25, or \$10 for students. For more information about the Virginia Academy of Science, Archaeology Section, please contact: Mr. J. Mark Wittkofi, VAS Archaeology Section Chair, 406 West Franklin Street, Richmond, VA 23220, ☎ 804-644-0656.

FOR YOUR INFORMATION

The American Anthropology Association's Washington, DC, headquarters has a new office as of February 21, 1993. The new address is: AAA, 4350 North Fairfax Drive, Suite 640, Arlington, VA 22203.



Emil W. Haury, one of the Southwest's premier archaeologists, died Saturday December 5, 1992, after a three-month illness. Haury, who was 88 years old, was best-known for his discoveries about the Hohokam Indians. As a member of the Committee for the Recovery of Archaeological Remains (1967-1974), Haury's efforts to establish a national policy on archeological resources resulted in The National Historic Preservation Act.

ECOSYSTEMS MANAGEMENT

HERITAGE RESOURCES: TOOLS FOR ECOSYSTEMS MANAGEMENT

Sandra Jo Forney
U.S. Forest Service, Eastern Region
Milwaukee, WI

In response to public demand for sustainable forest management, the U.S. Forest Service has developed an ecologically based, integrated resource approach to the management of National Forest System lands. Ecosystems Management means taking a larger, more holistic view of forest and resource management by recognizing the complexity and interconnections of individual resources within the dynamic and finite capacities of ecosystems. This management approach encourages collaboration among all those whose activities affect ecosystems by adopting new ways to manage National Forests that will produce desired resources values, users, products, or services in a manner that also sustains the diversity, productivity, and resiliency of ecosystems.

The heritage resource initiative in implementing ecosystems management on Eastern National Forests lies not solely in reconstructing or interpreting the human past, but in looking for practical ways in which the remains of the human past will

assist in solving contemporary natural resource issues currently facing National Forests. We are specifically concerned with the archaeological and historical resources and how they are pertinent in responding to the production, restoration, and sustainability of aquatic and terrestrial ecosystems. This initiative provides an opportunity to search out the non-anthropological uses of archaeological and historical data and to apply the principles of the discipline to practical purposes that are not in themselves primarily pure archaeological research or compliance-oriented.

The basic underlying premise of the heritage resources initiative in ecosystems management is that past human activity preserves data for the study of basic processes in other fields of science and that the resulting knowledge is of a kind that can have direct application to practical, contemporary issues of land and resources planning and project implementation. By their strategic locations and the evidence of past environmental characteristics preserved in them, the archaeological and historical record provides baseline data that is often lacking for natural systems altered by previous human impacts. In many cases, heritage resources are often the only sources of data available to resolve natural resources issues.

With the assistance from heritage resource specialists, natural resource specialists are beginning to use historical and archaeological data to help solve Eastern Region National Forest land resource management issues, particularly in the restoration of historic ecosystems and landscapes. The following examples from Eastern Region National Forests are representative of integrated studies that have used archaeological and historical data for purposes other than the traditional kinds of research problems that involve archaeological, general anthropological, historical, or humanistic values.

Historic studies of the early logging industry, its methods and techniques, and associated archaeological features have been useful in determining the impacts or changes in terrestrial and aquatic ecosystems through time. One such study is the investigation of influences of late 19th-early 20th century logging on fluvial geomorphology and fisheries habitat that is currently being conducted on the Hiawatha National Forest in conjunction with the preparation of a comprehensive Wild and Scenic River management plan. This work is being accomplished in an effort to develop detailed, reach-specific recommendations for appropriate stream channel improvement, stabilization work, structural installations, and identification of significant sources of sedimentation. The overall study includes an analysis of historic logging and land use and analyses of soils and hydrological data. Results of this integrated resource investigation will be useful in the interpretation and estimation of pre-logging river conditions, interpretation of present river dynamics, and development of a prescription for management which will work in harmony with and complement the restoration of a naturally dynamic river system.

Examination of historical factors that have created and may continue to influence ecosystem conditions can be very useful in guiding National Forest management. Biologists,

silviculturalists, foresters, and botanists have begun to look to heritage resource managers to provide historical data interpretation on the distribution and causes of vegetational change through time. One such example is the current study of the effects of the late 19th-early 20th century railroad era on forest cover and patterns of forest growth on the Allegheny National Forest in northwestern Pennsylvania. Analysis of historic and silvicultural data suggest a strong correlation between historic timber-harvesting practices, modern forest cover, and the proximity of historic railroad logging lines and wood chemical factories. By comparing historic records and contemporary forest conditions, heritage resource specialists can provide information on plant succession and ecosystem response to impacts over a 100-year period.

On the Hiawatha National Forest in northern Michigan, the study of mid-19th century General Land Office survey records and current ecological plot data has been successful in formulating an environmental model that provides a context for the historical presence of certain ecological conditions and previous human disturbance of the forest landscape. The purpose is to substantiate the potential natural forest vegetation composition for future landscape restoration. For example, in the Raco Sand Plains, large openings and savannah ecosystems are needed to provide habitat for several wildlife species, including the sharptailed grouse and a number of neotropical bird species, such as the threatened Kirkland's Warbler. Years of fire suppression have resulted in a reduction of naturally occurring large openings and the existence of a pine-dominant ecosystem in the area. Studies of the GLO record indicated an historically open forest composition compared with the currently dense stocking of red and jack pine. This historic documentation of past ecological conditions in the area has provided baseline data to support a rationale to restore historic habitat characteristics and potential natural community features of a fire-maintained ecosystem that existed prior to the era of accelerated logging and fire suppression activity.

Studies of "eco-archaeological" data can be useful to wildlife and fisheries biologists in documenting changes or trends in species diversity and habitat conditions through time. Hydrologists and fisheries biologists can effectively use data on historical stream uses and conditions to develop riparian restoration and rehabilitation programs, reintroduction of extirpated fish species, and better standards for stream management. The recovery of fish remains from archaeological contexts can provide invaluable information on paleotemperatures, fish distributions, life history predation, species displacement, catastrophic events, and, used in conjunction with knowledge of current natural events, can help explain long- and short-term trends.

For example, during the development of the Sturgeon River Fisheries Plain on the Hiawatha National Forest, there was no definitive proof that the river was at one time an important habitat of the lake sturgeon, as its name implies. The purposed management goal of restoring the threatened lake sturgeon in this river was ultimately prescribed by the findings of archaeological work conducted at a chronologically known prehistoric/historic Native American site adjacent to the river. As a result of excavation and analysis, a relative abundance

of lake sturgeon remains were recovered from the site, providing confirmation of the suspected significance of the stream for this threatened species.

Another example where ecological data from archaeological and historical contexts has been recognized as important for evaluating present-day aquatic ecosystems is the recent work at Horseshoe Bay, Chippewa National Forest, in northern Minnesota. The identification and analysis of approximately 200,000 fish bones, otoliths, and scales recovered from fur-trading post structures dating from 1820-1860, coupled with relational studies of textual evidence from trader's journals and historic accounts, provides documentation of the furrier fishery in terms of species abundance, diversity, seasonality, relative economic significance, and human activities and behavior patterns relating to the harvest and processing of fish. These archaeological and historical materials additionally provide baseline data on aspects of fish populations prior to changes brought about through damming and water logging operations. By comparing the results of the archaeological and historical analyses with modern fisheries survey data collected from the area between 1950 and 1990, the study has documented changes in species diversity and habitat fish conditions that have been useful to fisheries biologists in the current management of aquatic resources of the area.

Ecosystems management is a practice that facilitates interdisciplinary approaches, leading to a broader, more useful understanding of past terrestrial and aquatic habitats in an ultimate effort to produce, restore, and sustain them. The identification and interpretation of heritage resources is an integral component in that process. Heritage resources are not just the physical remains or artifacts of contemporary and past cultures in and on the landscape, they are the expressions of human interactions with and influences upon that landscape (i.e., an historical record of that dynamic and complex nature of ecosystems).

In this ecologically based, integrated resource approach to National Forest land and resource management, heritage resource specialists have the skills and knowledge of methods and techniques of archaeological and historical analysis to assist natural resource specialists by studying the role and influence of human activities on past and present ecosystems; by studying natural environmental issues within their historical, social, and cultural contexts; and by applying the results of these studies to the production, restoration, and management of ecosystems.

JOB ANNOUNCEMENTS

Ripon College, Department of Anthropology & Sociology, seeks 1-year assistant professor, archaeology sabbatical replacement. Preference given to North American or Old World specialties. For further information, contact Jeffrey Quilter, Chair, Search Committee, Department of Anthropology & Sociology, Ripon College, PO Box 248, Ripon, WI 54971-0248.

CALENDAR OF MEETINGS

February 23-24 - Florida Preservation Day will take place in Tallahassee. For further information contact Marsha Chance.

February 27-28 - The Tenth Annual Kentucky Heritage Council Archaeological Conference will be held at University of Kentucky, Lexington, KY. For further information contact: David Pollack, Kentucky Heritage Council, 300 Washington Street, Frankfort, KY 40601, ☎ 502-564-7005.

March 1993 - Joint Illinois Historic Archaeological Conference & The Ohio Valley Archaeological Conference will be held in Carbondale, Illinois. For further information contact: Mary McCorvie, Assistant Forest Archaeologist, Shawnee National Forest, 901 S. Commercial, Harrisburg, IL 62946.

March 6 - Council of Virginia Archaeologists Meeting will be held in Williamsburg, VA. Meetings will begin at 10:00 a.m. in Washington Hall.

April 2-4 - Middle Atlantic Archaeology Conference, will be held at the Sheraton-Fountainbleau Inn and Spa, Ocean City, Maryland. For information contact: Elizabeth A. Moore, 4600 43rd Place, NW, Washington, DC 20560, ☎ 202-363-0010 or FAX 202-364-0041.

April 14-18 - Society for American Archaeology annual meeting will be held in St. Louis, Missouri. For information contact: Dr. Jay F. Custer, at the University of Delaware.

May 20-22 - Ohio Historic Preservation Conference will be held at the Omni Netherland Plaza Hotel (an Art Deco landmark) in Cincinnati, Ohio. Sessions included in the conference are "The Question of Stewardship" and "Beyond Buildings." More details will be provided as soon as they are available.

May 12-15 - Vernacular Architecture Forum Annual Meeting will be held in Natchez, MS. For further information contact: Mary Sikes, Advanced Studies Office, Winterthur Museum and Gardens, Winterthur, DE 19735, ☎ 302-656-2513.

If you have a meeting you would like to include on our calendar, The Grapevine will be glad to list it for you. Please remember to submit your listing by the 10th of each month.

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EDITOR'S CORNER

For the May Issue of *The Grapevine*, we are planning to do a review of different database software packages and their application to archaeological artifact databases. To date, we have promised contributions on *Fourth Dimension* and *Dbase III+*. We still need individuals to contribute reviews of *Paradox*, *Dbase IV*, or any other software or program that might be applicable to the needs of archaeological collection management. So if anyone has a preferred software, please let us share your opinions with our readers.

If someone has tried a software they think is inappropriate, we would like to hear about that also.

Other Coming Attractions

Whose Property Rights? Private Lands and Federal CRM Law.

** NOTICE **

Starting with the February issue, *The Grapevine* will limit The Corporate Subscribers List to quarterly publication. However, we will list all new corporate subscribers in each issue. This change allows us additional space to bring our readers more in-depth articles each month.



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\$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 subscription will be listed each month.

INDIVIDUAL RATES:

\$20.00 An individual subscription includes one free monthly classified ad per year (request for information, special services, job announcement, or position wanted).

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