



KyOPA

NEWSLETTER

AUGUST
2018

Pepo Squash 5,000 B.P.
Sunflower 4,800 B.P.
Marshelder 4,400 B.P.
Chenopod 4,000 B.P.

Image: Smith 2006 (PNAS103)

INSIDE THIS ISSUE

- I. Spotlight
- II. Events
& KyOPA Misc
- III. People
- IV. Job Announcements
- V. Research

Editor: Matthew Davidson

Note: all errors are the responsibility of the editor. Please contact Matt at mj davidson@uky.edu for corrections.

You can now pay your KyOPA dues online! See KyOPA updates for details. Thanks!

I. Spotlight : Mine 18 - Historical Archaeology Video Game!

Eastern Kentucky University student, and former archaeology B.A. and M.A. student at the University of Kentucky, Lacey Lansaw, is producing a video game based on the early 1900s coal town known as Blue Heron in McCreary County, Kentucky. The game places you in the shoes of an historical archaeologist who examines the town and collects information about the history of the town. The game previews have amazing life-like graphics that re-create an amazing historical landscape. Lacey and a team of ECU students competed at a national video game competition in L.A. and they made the top five out of 100s of submissions! See the articles below and page 2 for an example graphic from the game.

ABC News Article:

<https://www.wbir.com/article/news/local/video-game-recreates-abandoned-kentucky-coal-town/567141601>

Lexington 18 News Video Interview:

<https://www.youtube.com/watch?v=zLAOSZZ4JZQ&app=desktop>

Unwinnable (Internet Magazine) Interview:

<https://unwinnable.com/2018/08/06/mine-18/>

II. Events & KyOPA Misc.

1. There is less than a month left until Living Archaeology Weekend. Held annually in the Red River Gorge, this event serves thousands on September 21-22. To volunteer, please sign up: <https://www.livingarchaeologyweekend.org/join-our-team>

2. A KyOPA networking social has been scheduled for Louisville. Please contact Anne Bader at abader@ciarch.com for details.

3. The Eastern Kentucky Archaeology Group's September speakers will be Katie Alexander, Renee Bonzani, and Jon Endonino. They will speak about botanical remains from the Grizzly Newt Shelter in Jackson County. See the EKAG Facebook page for details: <https://www.facebook.com/eastkyarch/>



Miscellaneous KyOPA Updates

1. KyOPA is still trying to increase their calendar of events. Please contact us with your upcoming event dates!
2. KyOPA now has a PayPal Account and you can pay dues and make donations online at <HTTP://KYOPA.org> Just click the "Donate" button at the bottom of the page and donate as much as you like!
3. See above right for a sneak peek of the 2018 Kentucky Archaeology Month (September) poster. Kudos to University of Kentucky Ph.D. candidate Karen Stevens and the LAW steering committee for producing such a well-crafted and powerful image. Copies for distribution can be picked up at the University of Kentucky Archaeology Research Facility at 1020A Export St, Lexington : <http://ukcc.uky.edu/cgi-bin/dynamo?maps.391+campus+9854>

Screen shot
From Mine 18.
See page 1.



III. People

Recent hires around the state

May 2018

Jarrod Barrett, archaeologist, Army Corps of Engineers, Louisville.

July 2018

Edward Jakaitis, archaeologist, Mammoth Cave, Park Service.

August 2018

Ashley Smallwood, assistant professor, University of Louisville

Thomas Jennings, assistant professor, University of Louisville

Recent hires of Kentuckians out of state

June 2018

Nathan White, archaeologist, Army Corps of Engineers, Huntington

August 2018

Edward Henry, assistant professor, Colorado State University

Retirements around the state

Nancy O'Malley

Nancy retired from *assistant curator of the William S. Webb Museum of Archaeology* earlier this summer. She was a pioneer of studying pioneer forts in Kentucky, and currently has a monograph in press about her last project at Fort Boonesboro. Among her many accomplishments are advances in field methodology in the 1980s and application of intensive archival research to historical archaeology.



Daniel Boone National Forest Scene

IV. Job Announcements!

1. The Daniel Boone National Forest is conducting outreach to determine how they will fill a GS-05/07/09 GIS Information Specialist position out of the Winchester office. Please contact matthewjdavidson@fs.fed.us for more information.

V. Research & Training

A new era of CRM training as begun...

The Daniel Boone National Forest and the Land Between Lakes National Recreation Area are participating for the first year in the Greening Youth Foundation Career Internship Program. Through the program, graduate students from southeastern universities are being mentored to develop skills in, and compete for, Forest Service archaeology positions in the region.

Recent graduate degree completions

Daniel Sea, Eastern Tennessee State University

Master's Thesis: *Native American Occupation of the Singer-Hieronymus Site Complex: Developing Site History by Integrating Remote Sensing and Archaeological Excavation.*

Abstract: Located on a ridgetop in central Kentucky, the Singer-Hieronymus Site Complex consists of at least four Native American villages. The Native Americans who lived there are called the "Fort Ancient" by archaeologists. This study examined relationships between these villages, both spatially and temporally, to build a more complete history of site occupation. To do this, aerial imagery analysis, geophysical survey, and archaeological investigations were conducted. This research determined there were differences among villages in terms of their size, however other characteristics—internal village organization, village shape, radiometric dates, and material culture—overlapped significantly. Additionally, landscape-scale geophysical survey identified at least three potentially new villages. It has been suggested that Fort Ancient groups abandoned villages every 10 to 30 years due to environmental degradation, but these results suggest that native peoples did not abandon villages at Singer-Hieronymus. Current thought surrounding Fort Ancient village abandonment and reoccupation must therefore be reconsidered.

Edward Henry, Washington University - St. Louis

Ph.D. Dissertation: *Earthen Monuments and Social Movements in Eastern North America: Adena-Hopewell Enclosures on Kentucky's Bluegrass Landscape.*

Abstract: Geometric earthen enclosures are some of the best known pre-Columbian monuments in North America. Across the Eastern Woodlands, many have been preserved as state and national parks. However, their chronological placement is poorly understood as they relate to the rise of complex social behaviors associated with the Adena-Hopewell florescence (500 BC-AD 500) in the Middle Ohio Valley. This is especially true for communities who built smaller enclosures referred to by archaeologists as 'sacred circles'. To better understand the timing, tempo, and nature of their construction I examined the Bluegrass Region in Central Kentucky using aerial and terrestrial remote sensing methods to learn if more enclosures were built than previously known. My results indicate the remnants of many sites exist but have been greatly damaged by modern land use. I then excavated a series of seven sites, examining their embankments, ditches, and internal use-areas. I found the communities who built these monuments did so in ways unique to their local histories of participation in the Adena-Hopewell social movement. Chronological modeling suggests the construction of all earthen enclosures in the Bluegrass region likely occurred in 170 years or less and the spread came from the north, possibly Central Ohio. From the sum of these results I argue that the traditional definition of Adena is indeed earlier than the major Hopewell climax in Ohio. I argue that populations in Kentucky were likely active participants in Hopewell ritual cycles, and do not represent a separate culture but instead a different context and situation for interregional integration.

