

Toe Bone Use
in Cup and Ball
Game

PAC Newsletter

Antler Brow
Tine Chisel

Knife-Shaped
Rib Tool
Vol. 30, No. 2

Fall 2018

PENNSYLVANIA ARCHAEOLOGICAL COUNCIL

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PRESIDENT'S MESSAGE

Submitted by: Beverly Chiarulli

Hi PAC members. Hope your summer went well. My summer was filled with travel to Belize, China, Hong Kong, and Europe. It's amazing how much archaeology there is to see.

One of the highlights was our visit to the site of the ceramic soldiers in China. The more famous site was overwhelmed with tourists. But there are other similar sites for other emperors and they were less hectic, so that was a highlight of the trip. Another site was in Vienna at the natural history museum. The earliest sculpture carved from ivory is in this museum and it was beautiful. There is amazing archaeology everywhere and it provides us with an understanding of humanity.

My term as PAC president is ending soon and I have enjoyed my term. I look forward to the fall meeting and hope you will be able to attend.

Best,
Bev



Terracotta soldiers and horses recovered from an Emperor's burial mound in China.

PAC NEWS & ANNOUNCEMENTS

PAC's First Annual Fall Program

Submitted by: Lisa Dugas

PAC is introducing the First Annual Fall Program featuring presentations on current topics from PennDOT on Friday October 26, 2018 from 1:00 PM to 4:00 PM in the Susquehanna Room of the State Museum.

Over the past few years PAC has been discussing ways to increase member interest in our organization by providing programs and opportunities for our members. One of the most valuable items PAC offers at our meetings is insight of agency happenings (e.g., SHPO, PennDOT) often before things are publicly announced. The new Fall PAC Program is an extension of that benefit. Last fall, Ira Beckerman proposed a program presented by PennDOT be held after the fall business meeting the Friday before the State Museum of Pennsylvania Workshops in Archaeology Program. In the future, we plan to invite other agencies (e.g., USACE, PA DEP) to participate in the program. Our goal with this program is to provide PAC members with a deeper understanding of current issues happening within agencies, as well as to offer and opportunity to create a dialog between members and presenters.

The Fall Program featuring PennDOT will be held on Friday October 26, 2018 from 1:00 PM to 4:00 PM in the Susquehanna Room of the State Museum. We will have a 15-minute break, and the order of the presenters is subject to change:

- **Navigating (historic) Cemeteries** - *Susanne Haney*
- **Context Sensitive Solutions with Tribal Buy-In** - *Angela Jaillet-Wentling*
- **Mini-Workshop: Writing Technical Reports and Presenting Results to the Public** - *Joe Baker*
- **Geomapping as an Avoidance Option** - *Kevin Mock*

Election Season

Help PAC Grow and Improve

Submitted by: Rick Geidel, Navarro & Wright

Nominations are now being accepted for candidates to serve as PAC Officers and at-large members of the Executive Board from 2019 to 2021. The Nominating and Elections Committee appointed at the April 2018 meeting (Rick Geidel, Angela Jaillet-Wentling, Sarah Neusius) urges every PAC member to review the duties of the Officers and Executive Board defined in the PAC

Constitution, and to step up as a candidate for a leadership position in our organization.

Any member in good standing may place her/his name in nomination or may nominate another member, subject to the proposed candidate's acceptance of the nomination.

In accordance with Sections V and VI of the PAC Constitution, the Nominating and Elections Committee has established the following procedures and schedule for this election:

- Nominations are due no later than *Friday, October 12, 2018*.
- The slate of candidates will be announced at the Fall 2018 meeting (*Friday, October 26, 2018*, in Harrisburg).
- Ballots will be distributed via email by Thursday, *November 1, 2018*.
- Completed ballots must be received no later than Friday, *December 14, 2018*.
- Election results will be announced at the Spring 2019 Meeting (date and venue to be announced), and elected Officers and Board Members will assume their responsibilities at the close of that meeting.

Nominations, candidate position statements, completed ballots, and/or questions about the election, may be sent the Nominating and Elections Committee members at rgeidel@navarrowright.com, ajailletwe@pa.gov, and sarahneusius@gmail.com.

We ask that emails be addressed to of all the Committee members.

Membership Update

Welcome New PAC Members!

Submitted by: Mike Stanilla, ASC Group

On behalf of the officers and board of PAC we would like to welcome: Susanne Haney (PennDOT Archaeologist Districts 9-0 and 10-0), Hannah Harvey (PHMC, PA SHPO), Justin McKeel (The Markosky Engineering Group), Dr. Susan Prezzano (Clarion University), Jessica Schumer (The Markosky Engineering Group), and Jay Toth (Seneca Nation). If you have co-workers or colleagues that meet our membership guidelines, please encourage them to send their resumes and join PAC.

2019 PAC Spring Symposium – Call for Proposals



The 2018 PAC Symposium, "Archaeologists Have History Too," held in DuBois.

PAC will again sponsor a symposium on a topic of general interest at its Spring 2019 meeting, held in conjunction with the SPA annual meeting. Anyone interested in organizing a session should contact Paul Raber by December 31, 2018 to propose a topic and list of participants.

Paul can be reached at:
praber@heberlingassociates.com or (717) 935-2204.

Social Media Update

Submitted by: Jonathan Burns, Director, Cultural Resource Institute, Juniata College

Allow me to begin this update by stating that I am not formally trained in the realm of social media—I am rather an archaeologist who has seen some success in spreading awareness of the Commonwealth's prehistory and archaeology on these platforms. Our profession attracts much public interest and it is important to build community, interact with the public, and not simply talk to one another. Six months from the last report (as of 8/30/18), PAC has 611 Facebook page followers, up 151 from 460 in the spring—not too shabby, with our major demographic audience ranging from age 25-54. Total view activity and sources of the page traffic resembles a relatively stable EKG of hits. Many of the local SPA Chapters maintain their own Facebook pages by effectively announcing fieldwork and presentation opportunities in their respective locales. I encourage PAC members to follow and share the chapter posts to boost their visibility and efforts. On that same note, the more we connect with our peer organizations in other states, the broader our views and influences can become. A quick FB search of "archaeological councils" allows our members to see how shared topics of concern are being framed across state lines—and examples of innovative approaches from which we might borrow. As one can see from PAC's most recent posts, content usually pertains to statewide announcements on policies, recent discoveries, and upcoming conferences and events. The story is different for PAC's LinkedIn company page with 44 followers, up 14 from 30 six months ago. The analytics



Graphs from Facebook Insights showing daily page views and sources of traffic.

Your 5 Most Recent Posts						
Published	Post	Type	Targeting	Reach	Engagement	Promote
08/27/2018 9:10 pm	PAC hit the 600 mark for followers! Please continue to	Image	Targeted	70	0 0	Boost Post
08/27/2018 1:05 pm	https://pahistoricpreservation.com/env_rev_updates/	Image	Targeted	203	16 1	Boost Post
08/23/2018 10:32 pm	Pennsylvania Archaeological Council shared a post.	Image	Targeted	141	7 2	Boost Post
08/21/2018 7:25 pm	Mark your calendars!	Image	Targeted	308	12 8	Boost Event
08/20/2018 10:08 am	Pennsylvania Archaeological Council shared a post.	Image	Targeted	228	6 2	Boost Post

Views on recent Facebook posts.

indicate that 34% of the LinkedIn followers are from the greater Pittsburgh area, followed by 15% from the Harrisburg area. In addition to the geographically skewed reach of the LinkedIn page, few PAC members have connected their personal profiles to the company page by listing it as an affiliation. If this were to occur, perhaps it would serve to broaden PAC's reach to young professionals, as well as more effectively deliver information to members and followers.

If it has not already happened, active PAC membership will plateau due to the population of active archaeologists in the state; however, followers are a potential source of continued growth as the organization's efforts become more visible to the public. In conclusion, if you have something that you would like to share in PAC's pages, please do not hesitate to send me a message or e-mail. Community is what we make it, and social media is an easy way for us to stay connected and informed about all things archaeological!

1	Greater Pittsburgh Area	34%	15
2	Harrisburg, Pennsylvania Area	15%	7
3	State College, Pennsylvania Area	6%	3
4	Greater Philadelphia Area	4%	2
5	Jamestown, New York Area	4%	2
6	Tampa/St. Petersburg, Florida Area	4%	2
7	Allentown, Pennsylvania Area	2%	1
8	Burlington, Vermont Area	2%	1
9	Greater Grand Rapids, Michigan Area	2%	1
10	Johnstown, Pennsylvania Area	2%	1

Geographic distribution of PAC's LinkedIn followers.

AGENCY UPDATES

PHMC – State Museum

Submitted by: Janet Johnson, State Museum, Section of Archaeology

Recent Donations to the State Museum of Pennsylvania

The donation of artifacts and documentation associated with the Manatawna Rockshelters (W & Y), 36PH0022 from Chris Hummer coincided with the publication of his research in the Spring 2018 issue of *Pennsylvania Archaeologist*, Vol. 88(1):39-56. This Late Archaic to Terminal Archaic collection represented by projectile points, knives and debitage indicate a hunter-gatherer occupation of the shelters. Chris also identified diabase quarrying tools similar in form to examples recovered from steatite quarries, but no evidence of worked serpentine from a nearby quarry was recovered. This interesting collection has posed a number of questions and is certain to provide additional data to our understanding of the prehistoric period in the Delaware Valley.

The passing of Society member Ron Eisert last year was a great loss to the archaeological community. Recognizing the importance of Ron's work, his friend Ken Fischer, assisted Ron's widow, Miriam, in donating Ron's collection to The State Museum of Pennsylvania. Ron's experience as a Field Associate for the Carnegie and his training under Dick George, Verna Cowin and Bill Johnson is evident in the collection. Representing his work in southwestern Pennsylvania are artifacts from over seventy sites, most were primarily collected

in Washington County and include the Wylie sites. Ken Fischer credits Ron with mentoring him about site recording and keeping a journal of his collection. So to honor Ron, Ken organized the collection and delivered it to us at the state meeting in April 2018. The task of cataloging and a complete inventory of the collection will take place in our labs for eventual display in our rotating exhibit space honoring the avocational community.

Jeff Graybill's collection was as diverse and interesting as the man. Jeff's training under W. Fred Kinsey and his subsequent work with Ira F. Smith, III and James Herbstritt among a few, resulted in numerous publications. Most recently in *Pennsylvania Archaeologist* 84(1):27-45, he co-authored with James Herbstritt on Shenks Ferry pottery and in 84(2):36-41, they published on Shenks Ferry triangular projectile points. Jeff's interest in research has been honored by his family in the form of a generous five-thousand-dollar donation to the newly established Graybill Specialized Research Fund. This fund supports specialized analysis for scholarly research, additional details are listed below. Thank you to the Graybill family for their donation and for their support of the Society and archaeological research.

Graybill Specialized Research Fund

In memory of Jeff Graybill, his family has donated funds to honor him and his career in archaeology. As a former student of W. Fred Kinsey, this donation supports the fundamental ideals of both Jeff and Fred towards



Pictured from left to right: Jeff Graybill, Kurt Carr, Fred Kinsey, and Roger Moeller at MAAC in 2014.

research, specialized analysis and publication. Award of funds is dependent on a research proposal which identifies the project, method of analysis and its relevance to our understanding of Pennsylvania archaeology. Review of proposals will be conducted by a three-person committee as approved by the fund administrator.

- Proposals should be submitted in electronic format to the fund administrator, currently Janet R. Johnson, janjohnson@pa.gov.
- Specialized analysis such as starch residue, phytolith, micro-wear, DNA, trace element and Strontium Isotope Analysis are given priority.
- Application deadline is December 31st
- Maximum award of \$1,000 per applicant
- Priority will be given to proposals from Pennsylvania schools, but approval is not restricted to Pennsylvania students or professionals.

Applications will be accepted beginning with the 2019 calendar year ending December 31st, awarded applicant/s will be notified by February 1st of the following year.

State Museum Excavations at Fort Hunter

Submitted by Kurt Carr, State Museum, Section of Archaeology

Every fall since 2006, the Archaeology Section of the State Museum of Pennsylvania has led a month-long excavation at Fort Hunter Mansion and Park in Harrisburg. On September 5th, the search for the

French and Indian War-period fort resumed. As we have reported previously, excavations have not been successful in locating the stockade or defensive ditch, but a new year brings new opportunities and expectations that this year's excavations will prove successful. However, if the truth be told, considering the extensive archaeological trenching that has been conducted up to 200 feet in all directions from the mansion, and a remote sensing survey in 2006, the stockade and ditch reported in historic documents may have been so ephemeral that they did not leave much of an archaeological signature. Adding to this conclusion, Dr. Zume of Shippensburg University conducted an additional ground penetrating radar and conductivity survey in November of 2017 and although we do not have a final report, a ditch or stockade were not obvious.

Last year we finished our excavation of the smokehouse and this generally brings an end to our investigation of the area east of the mansion. Through remote sensing in 2006, block excavations, trenching and auguring, we were able to identify a fort related bake oven and a cobble road about two feet below the surface but no other fort related features.

Our goal for this season is to expand our excavations from last year in the area immediately north of the existing mansion. Folklore surrounding the location of the Fort Hunter blockhouse is that it now lies under this structure. A relatively high frequency of 18th century artifacts were found here in 2008 and 2016-2017, so we are moving as close to the foundation as possible. A late 18th and early 19th century buried "A" horizon is situated in this area, so we are finding period artifacts. Ideally, we would locate a feature such as the fort period bake-oven recovered in 2006, to distinguish the fort period from Mr. McAllister's occupation. In addition, this section of the mansion is somewhat of a mystery. It is a frame structure built in the 1870's on a stone foundation with an earthen cellar. There has been speculation that the foundation dates to the 18th



Smoke house foundation with adjoining rectangular structure for the stove. Photo by Don Giles, PHMC.



Late Woodland Owasco corded collar pottery recovered from Fort Hunter. Image courtesy of PHMC – The State Museum of PA.

century and these new excavation units will give us an opportunity to investigate the age of this foundation.

In the subsoil of these units, we recovered more Late Woodland artifacts than all previous years combined, including Shenks Ferry and Clemson Island ceramics. The Fort Hunter site dates to at least Early Archaic times based on a Palmer point and two Middle Archaic bifurcate points, but these were found in mixed historic contexts. In stratified contexts, Early and Middle Woodland ceramics have been found with large fire cracked features, followed by Orient fishtails, Susquehanna broadspears, Brewertons and several Otter Creek points. Unfortunately, these components are not well separated and cover about fifteen inches in the profile. However, considering their density in these units, we are probably going to excavate into the “B” horizon in this area.

Finally, the Fort Hunter project has two major goals. First, beginning with the Frontier Forts and Trails initiative under the WPA in the 1930’s, The State Museum of Pennsylvania has a long history of investigating French and Indian War forts such as Augusta, LeBoeuf, Presque Isle and Loudoun. The investigations at Fort Hunter are part of this research effort. Specifically, at Fort Hunter we have collected data on the diet during the fort period and we have added to our understanding of the material culture of this period such as ceramics, gun flint types and other military items. We have also learned that despite historic documents referencing a stockade and ditch, this form of defense may have been more unfinished than the documents suggest.

A secondary goal of our work is to illustrate to the public the scientific nature of archaeology and the significance of archaeological resources to our understanding of our

heritage. Therefore, we encourage the public to visit the site through electronic and print media. The site is open to the public Monday-Friday, 9 am - 4:30 pm with archaeologists ready to answer questions and show how archaeology is conducted. In the past eleven years we have averaged between 3000 and 6000 visitors per year. Local high school students have volunteered and college students from Franklin and Marshall, Dickinson, Shippensburg, Harrisburg Area Community College and this year Wilson College have been able to introduce their students to basic archaeological field methods.

You are invited to come out and see what we find! Artifacts will be on display and archaeologists will be on hand to answer questions. If you are interested in a tour, contact the Section of Archaeology at the State Museum (717-783-9926) to make arrangements. Excavations started on September 5 and will close for the year on October 5, 2018.

PHMC – PA SHPO

Submitted by: Douglas McLearen, SHPO

For this series of updates, I’ve included new staff, an update on PA-SHARE, and legislative update.

New Staff

The newest member of SHPO staff is Mr. Merrick Berg, the new IT Project Manager. Merrick is overseeing our integrated data management system PA-SHARE. Merrick holds a Master of Science in Information Science from Penn State and a Bachelor of Science in Physical Science from the University of Maryland.

During his career, Merrick has worked at Hewlett Packard managing software development in their computer R&D division. Prior to that, he worked for nine years at NASA's Goddard Space Flight Center managing a laboratory for the RHESSI satellite mission. Merrick also served 5 years in the US Air Force. He was stationed in Berlin, Germany during the time when the Berlin Wall came down.

We believe Merrick is a great fit for our office. In his words, "I have always had a keen interest in the local history that surrounds me. I am excited and privileged to take part in a project which helps preserve and protect our historic resources".

Please join us in welcoming Merrick to the PA SHPO and the CRM community in Pennsylvania.

PA-SHARE

As you are already aware, PA-SHARE (Pennsylvania SHPO Historic and Archaeological Resource Exchange) is an upcoming new system at SHPO which will serve all SHPO programs—compliance review, National Register, GIS, Federal and State Historic Tax Credit review, Grants and Historic Markers. The system will enable fully electronic review and responses, including uploading of information into the database by qualified project applicants/consultants. Similar systems are already in place in some neighboring states, most notably the CRIS system of the state of New York. PA-SHARE will be similar, but certainly not identical, to CRIS. The program is anticipated to be operational and live by December 2019.

There are two major parts to PA-SHARE development: 1) scanning of all resource forms and reports/documents (see below); and 2) building the system. The requirements document will be delivered to SHPO by the project developers at the end of this month. Upon receipt, SHPO will have about a month to review, revise and finalize it. During September and October, the project will shift into the conceptual design phase before software development is slated to begin.

SHPO File Digitization Project

In the fall of 2017, Johnson, Mirmiran, and Thompson (JMT) was contracted by the SHPO to lead their Digitization Project. Since that time, JMT has developed an on-going series of procedures and processes for each component of the project. Their project team includes Susan Landis (lead), Sara-Ladd Clark, Adam Seitz, Kathrine Thorwart, and Madison Ramsey.

Susan Landis has provided the following summary:

In order to streamline the process, all tasks have been

divided into 3 components: scanning of documents; prepping of documents for scanning; and "Gap Analysis" of resources, which consists of quality checking physical records against digital records.

Over the past 43 weeks, the team has gap analyzed resources from Adams County through Greene County. The team has also scanned and prepped resources from Adams County through Cumberland County. As of August 31, 2018, 62,724 documents have been scanned. Files can be fully accessed online through CRGIS for the following counties:

- Reports: Adams through Bucks
- PASS Forms: Adams through Centre, plus Clarion, Clearfield, and Clinton
- HRS Forms: Adams through Delaware

The team continues to work on this project and the SHPO's ongoing preservation efforts.

Legislative Update

The PHMC tracks legislation that has relevance to all PHMC bureaus and their missions as well as relevant legislation that might stir interest and inquiries to our office. Unlike last year, there is no currently impending threat to any PHMC funds such as mitigation monies set aside for specific purposes and actions.

Below is the most current legislation of interest prepared by Howard Pollman, PHMC Director of External Affairs and press/legislative liaison. If you have any questions, please contact Howard at hpollman@pa.gov.

Tracked Legislation

HB 157 and SB 178 - Amendments to the Pennsylvania History Code

The key provisions of this legislation include:

- Adding definitions for "Archival Records," "the State Archives" and "State Archivist."
- Removing language on the operation of the Conservation Center, which PHMC no longer operates.
- Modernizing the sale and disposition of property, as well as adding language on abandoned property on loan to PHMC.
- Including language that the State Archives shall be the official repository for the permanent and historically valuable public records of the commonwealth.
- Adding a new section on the protection and recovery of historical commonwealth and local government records, saving the commonwealth

costly legal fees, and insuring that government records remain in the hands of the government.

- Opening access to older public records after 75 years, unless specifically prohibited by law.
- Removing from Title 37 certain historical properties that PHMC either has transferred or sold to other entities.

Status: HB 157 was introduced by Rep. Daryl Metcalfe and voted on by the House of Representatives. The bill passed the House and was received by the Senate, where it was referred to the Senate State Government Committee on 2-15-17.

SB 178 was introduced by Sen. Mario Scavello. The bill was passed by the Senate, received by the House, and referred to the House State Government Committee on 6-22-17.

SB 775 - Museum Preservation Grant Program

The Pennsylvania Museum Preservation Act provides for museum preservation and for grant program; imposes duties on PHMC; establishes the Pennsylvania Museum Preservation Fund; and makes an appropriation. The commission may award grants to an eligible museum, not to exceed the following amounts: (1) an eligible museum with an operating budget of more than \$100,000 may apply for grants equal to 15 percent of its operating budget; (2) a museum with AAM accreditation may receive an additional grant of up to 1 percent of its operating budget; and (3) grants may not exceed \$500,000 in total for an eligible museum. The General Assembly will be responsible for appropriating or transferring money to the fund as it so chooses. The bill requires the Commission to publish annually on its website any project that received funding as a redevelopment assistance capital project.

Status: Introduced by Sen. Pat Browne. The bill was passed in the Senate on 1-29-18. Referred to House State Government Committee on 1-31-18.

SB 799 - Amends Title 27 (Environmental Resources), in environmental stewardship & watershed protection, providing for legislative findings, for Environmental Stewardship Fund, est. Clean Water Procurement Program & Watershed Innovation Fund.

Status: Introduced by Sen. Richard Alloway. The bill was passed in the Senate 1-31-18. Referred to House Environmental Resources and Energy Committee on 2-1-2018.

HB 84 – Amendment to Vital Statistics Law of 1953

In registration district administration, further providing for local registrars' compensation; in birth registration, further providing for children born in a country other

than the United States and providing for certified copies of birth records, for optional city and county issuance and for Legislative Budget and Finance Committee study; in records, further providing for disclosure by local registrars; and making a related repeal.

Status: Introduced by Rep. John Lawrence. The bill was passed in the House on 6-18-18. Referred to the Senate Health and Human Services Committee on 6-22-18.

HB 96 - French Azilum Disposition

Act authorizing the Department of General Services, with the approval of PHMC and the governor, to grant and convey to French Azilum Inc. certain lands situated in Asylum Township, Bradford County, to French Azilum Inc.

Status: Introduced in House by Representative Tina Pickett. Referred to House State Government Committee on 1-23-17. Representative Pickett is holding off acting on the bill until planned repairs are completed and the local Friends group are comfortable with the property transfer.

HB 640 - Eliminating the Pennsylvania Historical and Museum Commission and transferring the powers and duties of the commission to the Department of Conservation and Natural Resources

Status: Introduced in the House by Rep. Stephen Barrar. Referred to the House State Government Committee on 2-27-17

HB 730 – Free Admission for Active Duty Members of the Military

Offers free admission to PHMC historic sites for active duty, retired and disabled military personnel and their immediate family.

2018 Legislative Session Schedule

SENATE

September	24, 25, 26
October	1, 2, 3, 15, 16, 17
November	14

HOUSE

September	12, 13, 24, 25, 26
October	1 (non-voting), 2 (non-voting), 9, 10, 15, 16, 17
November	13

Status: Introduced by Rep. Thomas Murt. Referred to the House Tourism and Recreational Development Committee on 3-7-17.

HB 750 - Historic Preservation Incentive Grant Program

The Historic Preservation Incentive Grant Act establishes a program of incentive grants to be given to qualifying property owners undertaking eligible improvements on qualifying historic properties. The bill provides for application process and procedure, the powers and duties of the Department of Community and Economic Development, and for the non-taxability of the grant funds. The legislation also provides for certain limitations and repayment details.

Status: Introduced by Rep. Thomas Murt. Referred to the House Tourism and Recreational Development Committee on 3-7-17.

HB 1222 - Support for Tourism Marketing, Museums, and the Arts

Dedicates a portion of the 6 percent state hotel occupancy tax to support tourism marketing, museums, and the arts. (1) Sixty percent of the revenue shall be used by the official tourism promotion and marketing agency of the Commonwealth for tourism marketing, promotion and development of activities to attract leisure and business travelers to this Commonwealth and for matching grants to destination marketing organizations and tourism promotion agencies; (2) Twenty percent of the revenue shall be used by the Pennsylvania Historical and Museum Commission for museum assistance grants; and (3) Twenty percent of the revenue shall be used by the Commonwealth of Pennsylvania Council on the Arts for grants to the arts.

Status: Introduced by Rep. Karen Boback. Referred to the House Tourism and Recreational Development Committee on 4-17-17.

HB 1435 - Restoration of Cemeteries

Amends Title 9 (Burial Grounds) adding a chapter providing for cemetery relief, which provides for the restoration of cemeteries and establishes the State Board of Cemetery Relief Directors and the Cemetery Relief Fund. The State Board of Cemetery Relief Directors is established within the Department of State and shall: (1) review applications; (2) make determinations as to the purpose and amount of an award granted to a cemetery; and (3) provide advice to the state treasurer to administer the fund. The board of county commissioners in a county may, upon receiving a request from a cemetery in the county, file an application with the board for the purpose of obtaining an award for restoration or refurbishment of the cemetery. The Cemetery Relief Fund shall receive: (1) amounts appropriated to the fund in the manner provided by law; (2) a surcharge of \$2 on a birth

certificate issued by the Department of Health, except that no surcharge shall be added to a birth certificate that is issued without a fee; and (3) a surcharge of \$2 on a death certificate issued by a local registrar or the Department of Health, except that no surcharge shall be added to a death certificate that is issued without a fee.

Status: Introduced by Rep. Thomas Caltagirone. Referred to the House Professional Licensure Committee on 5-24-17.

HB 1675 - Amendment to the Civil Service Act

Amends the Civil Service Act, in general provisions, adding that "Unclassified Service" includes all museum and historic site administrator positions under PHMC.

Status: Introduced by Rep. Scott Petri. Referred to the House State Government Committee on 7-21-17.

HB 1793 - Act establishing the Pennsylvania Commission for the United States Semiquincentennial

Status: Approved by the Governor on 6-12-18 as Act 28.

HB 2576 - An Act establishing the State Real Property Sale and Lease Review Commission and providing for the commission's duties and for a moratorium on the sale and lease of real property by the Commonwealth.

Status: Introduced by Rep. James Santora. Referred to the House State Government Committee on 7-31-18.

PennDOT

Submitted by: Ira Beckerman, PennDOT

PennDOT Staff Awarded Governor's Award for Excellence

On May 9, 2018, PennDOT employees Scott Shaffer, Joe Baker, and Shelley Scott were honored with a Governor's Award for Excellence, which recognizes exemplary commonwealth employees or groups of employees that reflect initiative, leadership, innovation and increased efficiency. The nomination is below, but because the Award is limited to commonwealth employees, it omits the outstanding contributions from Dr. Jonathan Burns of Juniata College, who ran the field school for Juniata College, and Kate Peresolak and Ross Owen who are or were IUP students and field directors for the PHAST program, as well as IUP students Chris Swisher and Brendan Cole, all of whom

conducted supplementary excavations as well as mentoring the field school students.

This is the story of how three capable and highly creative individuals - Scott Shaffer, Joe Baker, and Shelley Scott - rescued a high-profile PennDOT project from cancellation. On the eastern edge of the Penn State Campus behind Beaver Stadium, the Puddingtown-Orchard Road Bike Path Transportation Alternative Project was planned to connect the existing Puddingtown Bike Path to Orchard Road, and extend the path along a steep section of Orchard Road. As part of the project, a drainage ditch and swale would resolve a stormwater problem at that location. This project was a very high priority in the Centre Regions Bicycle/ Pedestrian Plan in that it links together a series of existing pathways and creates a connection of bike paths that will link Boalsburg directly to State College. The Bike Path was funded through a \$1.2m Transportation Alternative Project Grant from FHWA and PennDOT to College Township, in Centre County.

Transportation Alternative Projects are generally environmentally benign. However, during preliminary design, it was discovered that an important archaeological site lay directly in the path of the project. Despite efforts to avoid impacts to the Hatch Site (number 36CE0544), no suitable avoidance route could be developed. Following protocols in the National Historic Preservation Act and the National Environmental Policy Act, in July, 2016, FHWA, PennDOT, and the State Historic Preservation Office signed a Letter of Agreement (LOA) committing to the research of the Hatch Site through archaeological excavations. With the scientific excavation of the Hatch Site in the impact area, the project impacts could be mitigated and the project proceed.

The Hatch Site is a prehistoric workshop that processed stone mined from the neighboring Tudek jasper quarry, turning it into tools. This jasper quarry was part of a much larger and important National Register eligible Houserville Archaeological District, which traded partially finished tools hundreds of miles away. Although the Hatch Site likely was occupied for many thousands of years, the site appeared to be sealed under the trail footprint, suggesting the possibility of separating and analyzing time-discrete workshops.



Recipients of the Governor's Award for Excellence and project contributors, from left to right: Scott Shaffer, Kate Peresolak, Joe Baker, Governor Tom Wolf, Shelley Scott, Ross Owen, Kevin Mock, Jonathan Burns, and Ira Beckerman.

Everything to this point in the project would be considered part of the regular job duties of Scott Shaffer. Neither Joe Baker nor Shelley Scott would have been involved. However, the importance of the archaeological site coupled with the relatively minor nature of the project presented a new challenge. A traditional data recovery workplan to be conducted by the project's consultant design team or construction team would have been so expensive – more than half of the cost of construction - as to force cancellation of the project.

Scott Shaffer is the designated cultural resources professional archaeologist assigned to Engineering District 2-0 which includes Centre County. It is his responsibility to ensure that the archaeological portion of Section 106 of the National Historic Preservation Act is followed, including scientific archaeological excavations. Joe Baker is a professional archaeologist in the Central Office Unit of PennDOT's Bureau of Project Delivery. His normal duties include overseeing the cultural resources unit's summer intern program and the award-winning PennDOT Highway Archaeological Survey Team (PHAST). PHAST was formed out of a partnership with Indiana University of Pennsylvania. In addition, Joe is the unit's outreach coordinator and manages the Cultural Resource's Unit web pages and serves as editor for brochures that are the result of project commitments. Shelley Scott is the Transportation Planning Specialist Supervisor responsible for coordinating FHWA's funded research program, and is normally not involved in contracting archaeological work for active PennDOT projects.

Once the LOA was executed July, 2016, Scott Shaffer and Joe Baker discussed options for fulfilling the terms

of the LOA. Based on previous archaeological excavations of this size, they estimated the cost at \$1,000,000-1,500,000, which would have jeopardized the entire project. A second option was developed that would piece together labor from an archaeological field school and assistance from the PHAST program. The PHAST labor could be reasonably counted on, since the program had operated well in the previous six years. However, the PHAST program alone would not have been able to conduct the necessary analysis and report writing the excavations would have warranted.

A field school could provide labor and the professor who could lead the analysis and report writing, but few field schools are offered in Pennsylvania each year, most of which are organized to reflect the host university and lead archaeologist's research interests. For the second option to work, Shaffer and Baker had to locate a host university and faculty member who would be willing to take this project on as their field school. Furthermore, it had to occur in 2017, since funding was at risk of being pulled unless construction proceeded in that calendar year.

Fortunately, the pool of archaeological faculty in Pennsylvania is small, so Shaffer and Baker were able to rapidly determine whether the second option could work. One obvious choice was the Commonwealth's land grant college, the Pennsylvania State University, whose Anthropology Department could have undertaken the project and on whose land the archaeological site was located. However, the proposed field school did not fit with the Department's current research goals. Eventually, Shaffer and Baker did interest Juniata College and Dr. Jonathan Burns to undertake a field school in 2017. Because Dr. Burns was an adjunct faculty member at Penn State, the Anthropology Department was willing to cross-list the field school for Penn State students. Dr. Burns produced a workplan and a tentative budget. It appeared that the second option would be done. On September 8, 2016, PennDOT programmed an additional \$150,000 to complete the archaeological work.

Between September and May 11, 2017 when the notice to proceed was issued, a contract had to be developed and executed between PennDOT and Juniata College and approved by DGS. Secondly, a housing agreement needed to be developed between Juniata College and Penn State University for the summer field school students. No contract using federal funds had ever been executed between PennDOT and a university to fund an archaeological field school, and a number of issues needed to be resolved before a notice to proceed, including whether a state service contract could be used, whether the DGS Master Agreement could be used, Federal prevailing wage (Davis-Bacon), Article 43 preservation of Union Work, DBE

requirements, whether equipment could be rented, and reserving Penn State dorm rooms under State Travel policies. Ultimately, the final agreement had to be reviewed and approved by PennDOT, and DGS, Office of Chief Counsel, Office of General Counsel, and Juniata College, none of whom had ever seen a contract for this type of archaeological work before. It was only through the perseverance and diligence of Shelley Scott and Joe Baker with the support of their supervisors, and Dr. Burns and Michael Keating at Juniata that the necessary form and structure of the contract was established, and that it was reviewed and approved by each office in a timely manner.

Fieldwork associated with the field school began May 18, 2017 and concluded June 16th, with construction starting June 26th. Analysis of the results is currently in progress with the report due shortly. As of December 2017, the bike path and associated drainage is fully functional and serving the College Township and Penn State population.

Kevin Mock Promoted to Supervisor

Kevin Mock was promoted to PennDOT Historic Preservation Supervisor on July 16, 2018, filling the vacancy created by Chris Kula's retirement. Kevin will be supervising the District-based Cultural Resources Professionals as



well as developing policy, guidance, and training in Central Office. Prior to this appointment, Kevin was the Cultural Resources Professional in PennDOT Engineering Districts 5-0 and 8-0, covering counties between Franklin and Monroe, and participated in several technology initiatives, including planning for PennDOT CRPs to be equipped with tablet and GNSS units.

Kevin has worked for PennDOT since 2008, coming from URS Corporation in California and Maryland. His prior work covered diverse settings and operations, including FEMA, irrigation, roadway, and natural gas pipelines, residential and commercial development and US army bases, across the United States, and in Canada, Republic of Georgia, Bolivia, France, and the Dutch Antilles. He is a graduate of Penn State University (BA) and the University of Maine (MA), and a long-time member of the Register of Professional Archaeologists.

UPCOMING EVENTS: ARCHAEOLOGY MONTH AND BEYOND

October Workshops

Archaeology Month makes October a busy, exciting, and (most of all) important time of year, as we work together to raise awareness of Pennsylvania's rich archaeological heritage. This is also a time to celebrate and explore what we have learned from ongoing research. This year Pennsylvania continues the tradition of offering two workshops during October. The third annual Western PA Workshops will be held at Meadowcroft Rockshelter on Saturday, October 13 and will focus on Technology in Archaeology. The Workshops in Archaeology at the State Museum will be held on Saturday, October 27, and this year's theme is: John Smith's Susquehannocks, the Archaeological Context of a Native Culture.

The schedules and papers for both workshops have been provided on the following pages. Registration information can be found at these links:

October 13 Western PA Workshops:

http://www.pennsylvaniaarchaeology.com/Fall_Archaeology_Workshop_2018_Announcement.pdf

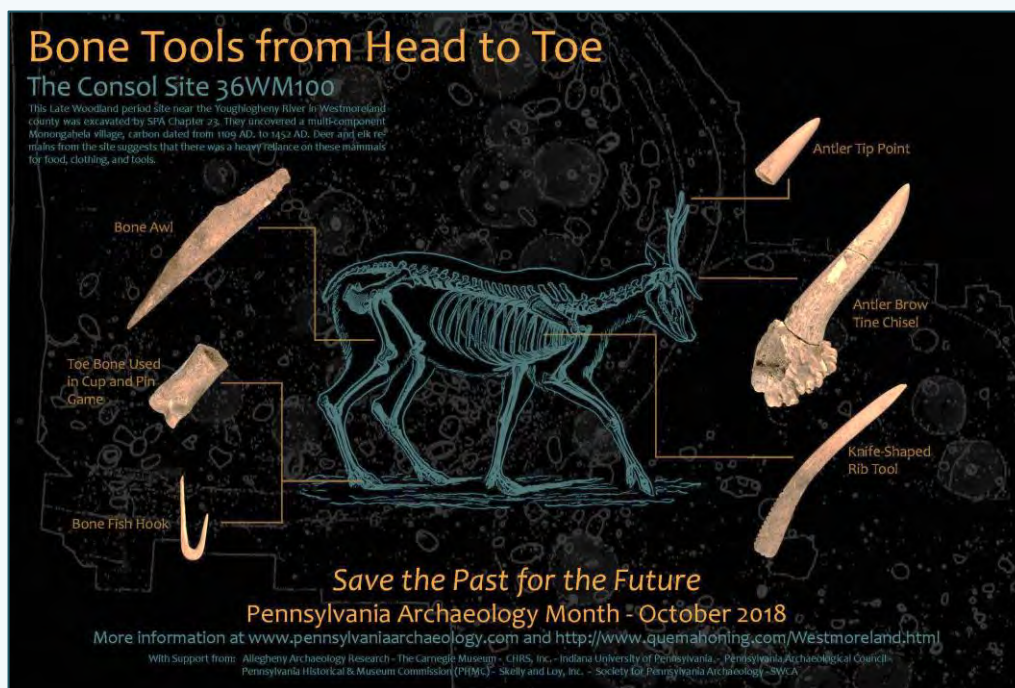
October 27 State Museum Workshops: <http://statemuseumpa.org/event/18archwrkshp/>

Please help spread the word to your colleagues, students, friends, and anyone else who may be interested!

2018 Archaeology Month Poster

This year's Archaeology Month poster was the brain child of Amanda Valko (head of the poster committee for SPA), Bob Oshnock and Janet Johnson. Amanda wanted to feature the Consol site on a poster and thought the bone tools would be of interest, Janet came up with the idea of using a skeleton, and of course Bob provided the artifacts. Melanie Mayhew of the State Museum of PA took the concept, photographed the artifacts and arranged the poster with input from PHMC staff, including Lauren Bennett.

This work is a unique attempt to highlight the work of an SPA Chapter and their meticulous work in excavating and cataloging the Consol site. Great job to all who were involved in the poster and the many volunteers who have worked on the Consol Site!



**Third Annual Workshop in Archaeology
Technologies in Archaeology and how these have helped
Expand our Knowledge of the Past
Saturday, October 13, 2018
Meadowcroft Rockshelter and Historic Village, Avella**

**Sponsored by the Society for Pennsylvania
Archaeology, Meadowcroft Rockshelter and Historic
Village, and the Heinz History Center**

2018 Workshop Description

In recent years, Archaeology has acquired several new tools for helping identify, map, measure and assess archaeological sites and associated material remains. This year's workshop will feature several of these new approaches. Presentations will discuss the technologies being used in archaeological research and provide examples of application.

Registration: 1030 AM – 200 PM

Welcome and Overview of the Workshop

11:00 AM– 11:10 AM David Scofield (Executive Director) and Dr. John Nass, Jr. (California University)

WORKSHOP PROGRAM PARTICIPANTS:

Session One:

Dr. Jeff Sumey (California University of Pennsylvania) *An Overview: "UAS/Drone Technology & Societal Impacts"*

Dr. Cassandra Kuba (California University of Pennsylvania) *An Overview: Creating a Strontium Landscape for Measuring Population Movement*

Dr. Bernard Means (Virginia Commonwealth University) *An Overview: Creation and Use of 3-D Scanning models for Archaeological Research and Museum Display*

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Session Two:

Jamie Davis (Ohio Valley Consultants, Inc) *Providing a New Perspective: Drone Based Photogrammetry in Archaeology and Historic Preservation*

Dr. Jarrod Burks (Ohio Valley Consultants, Inc.) *Detecting the Ancient Past with Hi-Tech Geophysical Survey Instruments: Re-Discovering Ancient Earthworks in the Ohio Valley*

Dr. Timothy Abel (New York) *Spectrography: Insights on Trade and Social Interaction*

Stefan Woehlke (University of Maryland) *LiDAR as an Investigative Tool in Archaeological Research*

Dr. Kurt Carr (Pennsylvania State Museum) Workshop Discussant

4:30PM – 5:00 PM Concluding remarks and Questions

Guided Tour of Rockshelter for Workshop Participants and Invited Guests

Additional Activities

Drone Demonstration.

Flint Knapping Demonstration. This demonstration will feature an expert flintknapper who will demonstrate how stone tool manufacture by Native Americans before contact in Pennsylvania.

Demonstration of prehistoric food processing using experimental technology

Site Recording in Cultural Resources Geographic Information System. Pennsylvania State Historic Preservation Office. Recording of archaeological sites is an essential task in protecting and preserving our archaeological resources. Assistance in recording your archaeological sites will be provided by these qualified individuals. Stop and talk to the staff from the Historic Preservation Office.

Artifact Identification – SPA chapter members. These individuals have over 50 years of combined experience with archaeological artifacts. Bring in your historic or prehistoric artifacts for identification and analysis by the experts.

The 2018 Workshops in Archaeology Program

At The State Museum of Pennsylvania

Saturday, October 27, 2018

John Smith's Susquehannocks: *The Archaeological Context of a Native Culture*



Please join us for a day of discovery of this important Native American culture. Archaeologists and historians will discuss current research of this fascinating period dating from AD. 1550 to 1763.

Who were the Susquehannocks?

What did their villages look like?

What types of artifacts have been found?

How were relations with their European and Indian neighbors?

Who was Capt. John Smith and what role does he play in the Susquehannock story?

What happened to the Susquehannocks?



The State Museum of Pennsylvania
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

2018 ANNUAL WORKSHOPS IN ARCHAEOLOGY PROGRAM

8:30 a.m. – 9:00 a.m.	Registration (Ground-floor hallway)
9:00 a.m. – 9:15 a.m.	Opening remarks - Beth Hager, Director, The State Museum of Pennsylvania
9:15 a.m. – 9:30 a.m.	Introduction and Logistics, Paul Raber
9:30 a.m. – 10:00 a.m.	Session 1 Barry Kent, Culture History of the Susquehannocks
10:00 a.m. – 10:30 a.m.	Session 2 Jasmine Gollop, Defining Proto Susquehannock
10:30 a.m. – 10:45 a.m.	Break (Foyer to the Auditorium)
10:45 a.m. – 11:15 a.m.	Session 3 Jim Herbstritt, Ethnogenesis and the Beginnings of Susquehannock
11:15 a.m. – 11:45 a.m.	Session 4 Andrew Wyatt, Subsistence, Seasonality and Ritual at the Lemoyne Site
11:45 a.m. – 1:15 p.m.	Lunch (on your own)
1:15 p.m. – 1:45 p.m.	Session 5 Bob Wall, Susquehannock Chronology and Community Patterns
1:45 p.m. – 2:15 p.m.	Session 6 Marshall Becker, Susquehannock Stature: Tallest in the Northeast
2:15 p.m. – 2:45 p.m.	Session 7 Lisa Lauria, Public Kettles, Private Pots
2:45 p.m. – 3:15 p.m.	Break (Foyer to the Auditorium)
3:15 p.m. – 3:45 p.m.	Session 8 Tim Shannon, The Susquehannocks in Colonial Pennsylvania
3:45 p.m. – 4:15 p.m.	Session 9 Jackie Kramer, Captain John Smith Trail Project, NPS
4:15 p.m. – 5:00 p.m.	Closing Summary/Questions and Discussion Paul Raber
5:00 p.m. – 6:00 p.m.	Reception , Ground Floor, Susquehanna Room

Additional Programming

9:00 a.m. – 4:00 p.m. *Flintknapping Demonstration – Foyer to Auditorium* – Steve Nissly

This presentation will feature an expert flintknapper who will demonstrate how stone tools were made during the Prehistoric and Contact periods in Pennsylvania.

9:00 a.m. – 3:15 p.m. *Site Recording in Cultural Resources Geographic Information System - Susquehanna Room*

Noel Strattan and Hannah Harvey, State Historic Preservation Office

Recording of archaeological sites is an essential task in protecting and preserving our archaeological resources. Assistance in recording your archaeological sites will be provided by these qualified individuals.

1:15 p.m. – 3:15 p.m. *Artifact Identification - Susquehanna Room*

Doug McLearen, Chief, State Historic Preservation Office
Patricia Gible, Ph.D., Historic archaeologist, retired college professor and consultant



Washington Boro phase artifacts on display in the State Museum. Image courtesy of PHMC – The State Museum of PA.

Archaeology Booth at the 2019 Pennsylvania Farm Show

This is the 103rd Pennsylvania Farm Show and a great opportunity to participate in this wonderful treasure of our farming heritage. Visitors to the Farm Show seek out our booth to sit in the dugout canoe or to view the artifacts on display which allows us to engage in conversation. This is a wonderful opportunity to interact with people while promoting the Society for Pennsylvania, Inc. and the preservation of our archaeological resources.

We distribute chapter newsletters or membership information if you submit them for the SPA table. Our ability to continue to promote the Society and its chapters depends on your willingness to provide chapter information and spend some time in the booth. We need volunteers to help with this major event. Please contact Kurt Carr at 717-783-9926 or kcarr@pa.gov if you are interested in volunteering.

Our participation at the PA Farm Show is in cooperation with the Society for Pennsylvania Archaeology, Inc. and the Pennsylvania Archaeological Council. With over 500,000 people visiting the Farm Show annually, this is our largest public outreach event during the year. Please come out and join us in this fun and worthwhile endeavor!

Volunteers Needed – January 5-12, 2019!

Upcoming Conference Schedule

Compiled by: Gary Coppock, Skelly and Loy, Inc.

Organization	Location	Date	Abstract Due Date	Web Address
PAH (Pennsylvania Historical Association)	Lancaster PA	Oct. 11-13, 2018	past	https://pa-history.org/
Workshop in Archaeology, Western PA	Avella PA	October 13, 2018	NA	http://www.pennsylvaniaarchaeology.com/
CNEHA (Council for Northeast Historical Archaeology)	Halifax NS, CANADA	Oct. 19-21, 2018	past	http://cneha.org/
PAC Fall Business Meeting	Harrisburg	October 26, 2018 (am)	NA	http://www.pennarchcouncil.org/
1 st Annual PAC Fall Program	Harrisburg	October 26, 2018 (pm)	NA	http://www.pennarchcouncil.org/
PHMC Workshop in Archaeology - John Smith's Susquehannocks	Harrisburg	October 27, 2018	NA	http://statemuseumpa.org/event/18archwrkshp/
ESAF (Eastern States Archaeological Federation)	Watertown NY	Nov. 1-4, 2018	past	http://esaf-archeology.org/
SHA (Society for Historical Archaeology)	St. Charles MO	Jan. 9-12, 2019	past	https://sha.org/
SAA (Society for American Archaeology)	Albuquerque NM	April 10-14, 2019	Sept. 6, 2018	http://www.saa.org/
MAAC (Middle Atlantic Archaeological Council)	Ocean City MD	March 21-24, 2019	Dec. 15, 2018	http://www.maacmidatlanticarchaeology.org/
PAC Business Meeting	Uniontown PA	April 5, 2019 (am)	NA	http://www.pennarchcouncil.org/
PAC Symposium	Uniontown PA	April 5, 2019 (pm)	TBA	http://www.pennarchcouncil.org/
SPA (Society for Pennsylvania Archaeology)	Uniontown PA	April 5-7, 2019	March 22, 2019	http://www.pennsylvaniaarchaeology.com/
SIA (Society for Industrial Archeology)	Chicago, IL	June 6-9, 2019	Jan. 31, 2019	http://www.sia-web.org/
SHA (Society for Historical Archaeology)	Boston MA	Jan. 8-11, 2020	TBA	https://sha.org/
SAA (Society for American Archaeology)	Austin TX	April 22-26, 2020	TBA	http://www.saa.org/

OTHER NEWS & ANNOUNCEMENTS

New Archaeology Faculty Member, Indiana University of Pennsylvania

Submitted by: Ben Ford, IUP

Andrea Palmiotto, an archaeologist specializing in zooarchaeology and human osteology, has recently joined the faculty of IUP. Andrea earned her MA and PhD in Anthropology from the University of Florida, where she analyzed faunal materials from pre-Columbian coastal sites in Florida with an emphasis on seasonality and mobility.

Prior to joining IUP, she worked as a Forensic Anthropologist with the Defense POW/MIA Accounting Agency where she led field recoveries in Laos and Vietnam and analyzed skeletal materials leading to the identification of U.S. casualties from WWII, the Korean War, and the Vietnam War.

Andrea has extensive experience in academic and professional contexts and has worked with colleagues to publish in numerous peer-reviewed journals. Her research interests include zooarchaeology, human osteology, commingled human remains, casualty resolution, and pre-Columbian Eastern Woodlands

archaeology. She is a member of the Register of Professional Archaeologists, American Academy of Forensic Sciences, and Society for American Archaeology. She is excited to join the IUP team and collaborate on new projects. She currently teaches Contemporary Anthropology, World Archaeology, and Zooarchaeology.



Dr. Andrea Palmiotto in the field.

CURRENT RESEARCH

Operation Collaboration: Archaeologists, Veterans and First Responders Dig Fort Ligonier

Submitted by: Angie Jaillet-Wentling, PennDOT

For years, Dr. Jonathan Burns, Juniata College Cultural Resource Institute, has been bringing students to the French-and-Indian War-era Fort Ligonier to help recover and interpret what remains of the fort and its early defenses. Last year, he teamed up with American Veterans Archaeological Recovery (formerly Operation Nightingale) to bring three veterans experiencing PTSD to the Fort as a therapeutic venture. Their experiences and similar ventures, like the one recently featured by National Geographic (Brady 2018), point to the promise of pairing veterans and first responders with the combined physical and mental exercise in the relaxed learning environment that archaeology provides. The benefits are not just for veterans. The ability to work in adverse conditions with precision and teamwork often translates to more ground covered during excavations. Plus, military veterans can provide additional insight into how archaeologists interpret military sites and tactics.



Archaeologists and Team Rubicon volunteers at Fort Ligonier.

This year PennDOT archaeologist and Team Rubicon volunteer, Angie Jaillet-Wentling worked with Dr. Burns to coordinate an event involving Team Rubicon volunteers and archaeological excavations at Fort Ligonier. Team Rubicon is a disaster relief organization that pairs the experiences of military veterans and first responders to rapidly deploy emergency response teams to local and international disasters. The team also provides service to underserved communities and training to its military members seeking to transition to civilian life. When they aren't mucking out flooded basements in Butler or Pittsburgh (their most recent local operations), Team Rubicon Region III volunteers work with local groups like Habitat for Humanity, local food pantries, and food and soup kitchens to provide a wide range of community service. And, they drink beer afterwards at socials for a wind-down, after the last "gray shirt" is done for the day.

On July 31, 2018, 20 Team Rubicon Region III volunteers from Massachusetts to Virginia descended on Fort Ligonier as part of ongoing outreach efforts and archaeological recovery of the fort's history. Team Rubicon arrived on-site to find hands-on instruction from experienced professional archaeologists (including Scott Shaffer, PennDOT archaeologist, and Isaac Fisher of Juniata College) in not only archaeological excavation techniques, but basic artifact and soils identification, instruction on metal detecting at military sites, and demonstrations with drone aerial photography at archaeological sites. Fort Ligonier hosted Team Rubicon for site tours of the Fort, its museum, and for dinner. At the end of the day, archaeological investigations at the Fort helped



PennDOT archaeologist Scott Shaffer, left, assists a volunteer with screening.

unearth the possible remnants of the battery, while building the foundation for further collaboration between some enthusiastic volunteers and archaeologists!

Relevant Links:

Fort Ligonier dig seeks site of wartime battery
<https://triblive.com/local/westmoreland/13933630-74/fort-ligonier-dig-seeks-site-of-wartime-battery>

Fort Ligonier
<https://www.fortligonier.org/>

Juniata College Cultural Resource Institute
<https://www.juniata.edu/academics/departments/international-studies/cultural-resource-institute.php>

Team Rubicon
<https://teamrubiconusa.org/>

Why Military Veterans Are Turning to Archaeology:
Digging up historical artifacts may help former members of the military transition to life as civilians.
National Geographic.
<https://www.nationalgeographic.com/culture-exploration/2018/08/military-veterans-archaeology-shaker-dig-explorer-digventures/>

Sparks Farm, Bedford County

Submitted by: Jonathan Burns, Director, Cultural Resource Institute, Juniata College

It will come as no surprise that this past summer (2018), from June 18 to 27, it rained nine out of ten days near the town of Everett in Bedford County. Nevertheless, that did not deter an archaeological field school session from successfully investigating a Transitional Archaic occupation, far up the Raystown Branch of the Juniata River on a remote farm property explicitly donated to Juniata College for educating undergraduate students in field science. The arrangement of recovered stone tools, ranging from finished projectile points to utilized flakes and steatite bowl fragments, offer a rare look at site structure from this distinctive period over 100 miles upstream from their core region in the lower Susquehanna drainage. The field school consisted of four undergraduates, one PSU graduate student (Tim Hay), and myself (Jonathan Burns).

As the resident archaeologist at Juniata College, I arranged for the excavation of one test unit during the Sparks Farm dedication ceremony in the summer of 2016—to demonstrate the potential for prehistoric occupations on the property occupying a large meander bend on the upper Raystown Branch. Assuming that one spot might be as good as the next



The wet weather and muddy conditions were tempered by bright and adaptable students from both Juniata College and Penn State.

for a blind test, my excavation team happened upon a productive single-component occupation. In addition to a projectile point tip and lithics of various sizes and material, we recovered steatite bowl fragments and fire-cracked rock. Multiple charcoal specimens were collected with the hopes of obtaining an absolute date for an underrepresented period. With similar results, our team returned for two days the following summer (2017) to excavate a second test unit in conjunction with an archaeology kid's camp partnered with the Fort Bedford Museum.

We returned this summer with the dual goal of completing Test Unit 2 and shovel testing the surrounding landforms for additional occupations—while delivering high-impact experiential learning to the students. After the first day's 98-degree orientation and shovel test demonstration, Mother Nature unleashed 9 days and nights of steady to intermittent rain. Mind you, most of these students had never been tent camping for more than a day or two in their lives. We kept our composure as the meniscus crest of the turbid river visually rose above the floodplain. I can confirm the avoidance of a mutiny, and would emphatically like to thank Tim Hay (PSU graduate student) for his uncompensated assistance and support. Fortunately, we had set up two shelters over the original test units prior to the deluge that kept us stationed under cover for the duration of the session. Rather than survey testing, the students learned the fine art of 50 cm quadrant excavation and point proveniencing with a laser total station. While no additional steatite was encountered in Test Units 3 and 4, we added an array of flake tools, charcoal samples, another projectile point tip, and a finished stemmed projectile point made of rhyolite. Not bad for the wettest field season I have



Three different raw materials (jasper, gray chert, and rhyolite) comprise the lithic assemblage that compliments several steatite bowl fragments and fire-cracked rock. (Field image, please excuse the soil.)

ever encountered. The start of the 2018 fall semester brings the opportunity to wash and catalog the collection in the Cultural Resource Institute lab on Juniata's campus, and to plan our next move as we document this spectacular property and teaching asset.

Relevant Links:

Couple Donates Farm to Pennsylvania's Juniata College

<https://www.agweb.com/article/couple-donates-farm-to-pennsylvanias-juniata-college-naa-associated-press/>

Students discover evidence of prehistoric travelers in Bedford County

<https://wjactv.com/news/local/students-discover-evidence-of-prehistoric-travelers-in-bedford-county>

Locust Grove Archaeological District National Register Nomination

Submitted by: Paul Raber, Heberling Associates, Inc.

Heberling Associates has been working with the Haldeman Mansion Preservation Society (HMPS) in Bainbridge, Pennsylvania to nominate the Locust Grove Archaeological District to the National Register of Historic Places (NRHP). The district comprises four sites of major significance in the development of the late precontact and early contact periods in the lower Susquehanna River drainage. These are the Brandt



Left: Restored glass bead necklace from Conoy Cemetery (36LA0040). Image courtesy of: PHMC, State Museum of Pennsylvania, Section of Archaeology.

Right: View of Conoy Town Site (36LA0057) from the Locust Grove and Conoy Cemetery site (36LA0040), facing north.

site (36LA0005), the Mohr site, (36LA0039), the Locust Grove and Conoy Cemetery site (36LA0040), and the Conoy Town site (36LA0057), all located on high terraces above the Susquehanna River near the mouth of Conoy Creek, just to the south of the village of Bainbridge. The sites within the non-contiguous district span the period AD 1250-1750, which encompasses changes from hamlet-based agricultural communities of the early (Blue Rock phase) Shenks Ferry tradition to the early eighteenth-century settlement of Conoy Town. Represented at these sites are all phases of the Shenks Ferry tradition, the Susquehannocks, Luray migrants from the Potomac drainage, and the Conoy (Piscataway or Ganowese), also immigrants from the Potomac region.

There have been professional archaeological studies at all of these sites except the Brandt site, which is known only from sporadic surface collections. Gruber (1971) conducted University of Pennsylvania field schools at the Mohr site in the 1960s, defining a palisade encompassing the roughly 1.0-1.5 hectare village that he characterized as a fifteenth century Lancaster phase Shenks Ferry occupation. Gruber's excavations recovered 99 burials, house patterns and other features defining the internal structure of the site. A recent re-analysis by Graybill and Herbstritt (2012) distinguishes two distinct occupations: an early fifteenth century Lancaster phase hamlet and a palisaded village of Luray immigrants, ca. AD 1550-1600.

Barry Kent led PHMC excavations at the Conoy Town and Cemetery sites in 1970, exposing 8000 square feet at Conoy Town and 6500 square feet at Conoy Cemetery. Despite discovering at least a dozen storage and refuse pits and numerous postmolds, Kent was only able to define a single house pattern. Excavation at the nearby cemetery (Kent 1974) revealed 71 bundle burials with associated Native and trade items. While

excavating at the cemetery, Kent exposed part of a Shenks Ferry village, discovering postmolds, refuse pits and extended burials. Kinsey and Graybill (1971) conducted further investigation at the village site, exposing a double palisade, pits, a sheet midden and two additional burials.

Despite these previous investigations, substantial portions of the site are intact and could yield important information on the shifts in Native American economies and settlements prior to contact and the profound changes that ensued following contact with Euroamericans. The sites are persistent places, embodying the qualities that attracted people to this setting for thousands of years prior to contact. The sites contribute to an understanding of the interactions of Native and Euroamerican groups on either side of the boundary of contact, containing information on settlement structure, subsistence, population, diet, intergroup conflict, disease and other topics of longstanding interest to archaeology and history.

The HMPS, although primarily dedicated to maintaining and interpreting the Haldeman Mansion, hopes that the NRHP listing of the district will promote an appreciation of the diverse heritage of the local area. The nomination will be reviewed by the state Historic Preservation Board at their September 27th meeting and, if approved, sent to the National Park Service for listing.

References:

Graybill, Jeffrey R. and James M. Herbstritt
2014 The Luray Phase, Mohr (36LA39), and the Protohistoric Period. *Journal of Middle Atlantic Archaeology* 30:25-39.

Gruber, Jacob
1971 Patterning in Death in a Late Prehistoric Village in Pennsylvania. *American Antiquity* 36:64-76.

Kent, Barry C.

1974 Locust Grove Pottery: A New Late Woodland Variety. *Pennsylvania Archaeologist* 44(4):1-5.

Kinsey, W. Fred, III, and Jeffrey R. Graybill

1971 Murry Site and Its Role in Lancaster and Funk Phases of Shenks Ferry Culture: A View from 1971. *Pennsylvania Archaeologist* 41(4):7-43.

Phase III Archaeological Data Recovery at the Fullerton Farm Site (36LR0291), Lawrence County, PA

Submitted by: David J. Rue, Rue Environmental, LLC

The Hickory Run Energy Station, being constructed by Hickory Run Energy LLC (HRE), is a 2 x 1 combined cycle electric generating facility being constructed on a 55-acre tract in North Beaver Township, Lawrence County, Pennsylvania. The 1,000 MW facility will be powered by natural gas from a nearby transmission pipeline, making use of gas from the Marcellus and Utica layers of the region. HRE applied for and received a permit from the U.S. Army Corps Engineers



Excavation complete in root cellar.

(COE) in order to complete the undertaking. Phase I and II archaeological investigations in the project area identified the Fullerton Farm Site (36LR0291), which was recommended as eligible for inclusion in the National Register of Historic Places under Section 106 of the National Historic Preservation Act. In 2016 HRE engaged Rue Environmental LLC (Rue) to complete the mitigation activities, including Phase III archaeological data recovery at Site 36LR0291.

Archival research suggested the farmstead was occupied by the Fullerton family from approximately 1900 to 1916, on a 29-acre tract. An isolated barn had been located there since approximately 1860, and the Fullertons built their house next to it by 1904. The tract was purchased by an industrial concern in 1916, the buildings were razed, and the land was incorporated into the industrial facility. Charles Fullerton and his wife Ina had two sons, Carl and John. Census information showed that Charles was employed as a blue-collar worker in 1900 and 1910, and probably was thus employed throughout the occupation. Charles also carried out farming activities with the assistance of his sons and probably his wife, most likely a combination of livestock raising and produce growing.

Data recovery fieldwork focused on excavation of the house foundation, barn foundation, well remnants, a refuse pit, a cobble path, and a masonry cold storage feature associated with a springbox. The refuse pit was the most productive in terms of artifact content. Phase III fieldwork recovered 28,330 artifacts, which were combined with the 8,785 artifacts from Phase I/II (T=37,095) for analysis. Artifact analysis was completed for the ceramic, glass, metal, leather and other materials using a functional strategy. Faunal analysis and macro-botanical analysis were also completed.

The results suggest that the Fullerton family had a relatively comfortable lifestyle. Ceramic analysis showed that they purchased a wide variety of decorated dishes, much of it from a rich regional array of potters, but also including a significant amount of relatively expensive porcelain. Glass analysis indicated they purchased a wide variety of products available in the region and wider market levels, likely influenced by periodical advertisements and catalogs. Faunal analysis showed that the primary meat being consumed was from sheep (with pork and beef also), supporting the farmstead's placement in the PA SHPO's Southwestern PA agricultural context. The analysis of meat cuts showed that they ate well butchered meat from a variety of areas on the carcass, including dishes that would be ground and stews but also steaks and roasts.

Archaeological Investigations at the McQuilken Blacksmith Shop Site (36IN0463), Indiana County, PA

Submitted by: Jessica L. Smoker Schumer, The Markosky Engineering Group, Inc.

The Markosky Engineering Group, Inc. (Markosky) recently completed Phase I, II, and III excavations at the McQuilken Blacksmith Shop site (36IN0463) in Indiana County, Pennsylvania as part of The Pennsylvania Department of Transportation Engineering District 10-0's Home Bridge #3 Replacement project. District Archaeologist Susanne Haney noted the illustration of a blacksmith shop on 1925 design plans and recognized the potential for the site to be intact during the initial scoping field view for the project. During the Phase I survey, Markosky identified intact portions of the shop interior and a midden. The Phase II testing identified additional intact cultural features and datable artifacts. The site was determined to be eligible for the National Register of Historic Places under Criterion D. Phase III analysis and additional background research are currently underway.

Historic documentation indicates that the blacksmith shop was in use from the late 1850s through the 1920s. The last known full-time blacksmith in the shop sold it in 1924 and at that time it was noted to be in an excellent location with big business. While the historic record is unclear, after the shop was sold in 1924, it was likely leased to various full-time or part-time blacksmiths. Archaeological data indicate that the shop continued to be utilized for blacksmithing into the 1950s. During its period of use significant technological advances considerably impacted the trade of blacksmithing. Tools and goods once produced by blacksmiths came to be mass produced using alloyed metals. Also, the automobile began to replace horse-



View of excavations of the midden, which was characterized by multiple lenses of debris from cleaning the forge and from general shop refuse, facing south.



Wagon or carriage wheel parts including a wheel hub (top), a skein (bottom right), and a threaded end cap (bottom left) recovered from the site.

drawn modes of transportation. These changes meant an overall decline in the trade of blacksmithing. Those who remained in business shifted from manufacturing and repair of hand-forged items, to almost solely the repair of manufactured items. This required significant experience in working with various types of metal alloys, because they each had individual working and welding temperatures.

The continuance of the McQuilken Blacksmith Shop's operation into the 1950s is an indication of the reliance of the rural community upon the blacksmith. Data collected from Markosky's Phase II and III excavations indicate generalized blacksmithing on site, including the shoeing of horses, the repair of farm equipment, wagons, and carriages. Many blacksmiths who persisted in the trade began to repair early automobiles before auto repair shops became commonplace. There is some evidence for sand casting at the site, which may have been done to create new parts for broken equipment.

Multiple cultural features associated with the architecture and technology of the McQuilken Blacksmith Shop were identified during the Phase III excavations. The interpretation of the shop layout and the technology that was utilized, which may have changed over time, is ongoing. To better understand the socio-economic history of the area and the importance of the blacksmithing, historical background research is focusing on some of the other local businesses and individuals in the community and how they may have been connected to the blacksmith shop. Because this particular shop continued to be in use until the more recent historic period, oral history interviews within the local community are being arranged. Some of the participants are elderly, long-time residents of the area, as well as family descended from McQuilken, who first built and worked in the shop. It is anticipated that through these lines of research, a multi-faceted view of the blacksmith in a rural village during the decline of the trade will be enhanced.

New Publication on the Archeology of Industry in Pennsylvania

Submitted by: Gary Coppock, Skelly and Loy, Inc.

This Pennsylvania-themed double issue of *IA* features five papers from the 2015 PAC symposium on Industrial Archaeology.

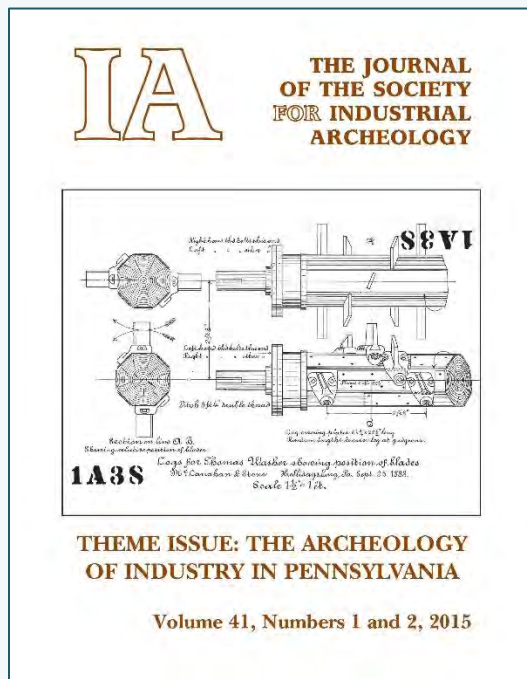
Theme Issue: The Archeology of Industry in Pennsylvania

IA: The Journal of the Society for Industrial Archeology 41, nos. 1 and 2

Edited by F.L. Quivik and G.F. Coppock

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PAC members can purchase copies for
\$15.00 each (including postage).

Contact gcoppock@skellyloy.com for more
information.

A LOOK BACK...

32-Years Ago in Northumberland County, PA

Submitted by: Gary Coppock, Skelly and Loy, Inc.

I recently stumbled across this 1986 photo.
Some of you may recognize members of my stellar crew!



Crew celebrating the completion of Phase II fieldwork @ 36NB0003

Back row, l to r: John Stiteler, Patrice Bamat, Dorothy Humpf, Gerry Lang, Doug Dinsmore, Carson Murdy
Front row, l to r: me, Tom Carmody, and the infamous John Costello

PAC Newsletter, Fall 2018, Vol. 30, No. 2

Compiled by Gary Coppock, Skelly and Loy, Inc.
Design/Formatting by Hannah Harvey, PA SHPO

The PAC Newsletter is published twice a year to update members on PAC happenings, agency updates, announcements from firms and universities, and current research from around Pennsylvania.

Send submissions to: gcoppock@skellyloy.com



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B. A professional interest in Pennsylvania archaeology. This interest must be documented by the applicant and should clearly demonstrate how the applicant's professional activity has contributed, or may contribute, to the advancement of Pennsylvania's prehistoric or historical archaeology. This documentation may include:

1. Authorship of professional archaeological publications.
2. Authorship of archaeological papers presented at professional or professional/avocational meetings.
3. Authorship of archaeological contract or grant reports.
4. Development or implementation of archaeological educational or interpretative programs.
5. Administration or supervision of archaeological programs or projects.

C. Applicants shall be admitted to membership upon the positive recommendation of the Membership and Ethics Committee and a positive vote of a majority of the Executive Board. The Membership and Ethics Committee shall establish a schedule for the membership application process such that candidates are admitted in a timely manner after their applications are received.

D. All members of the Pennsylvania Archaeological Council must also be members of the Society for Pennsylvania Archaeology.

Annual dues: \$35.00

To join, or for more information, contact:

Michael Stanilla, M.A. RPA
PAC Vice President
ASC Group, Inc.
801 East Park Dr., Suite 102
Harrisburg, PA 17111
Phone (717)564-5705 Ext 113
Fax (717) 564-5709
email: mstanilla@ascgroup.net
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2018

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