

The Society for Pennsylvania Archaeology, Inc. Spring Newsletter 2012

2012 Farm Show Exhibit Report

The 2012 Farm Show exhibit has been put to bed for another year. There is no question in my mind that this presentation makes a difference in Pennsylvania archaeology. I continued to see excitement in the eyes of children and adults as they sat in the dugout, amazement on their faces as Bob Winters quickly formed a variety of stone tools and wonder as they stood gazing at the artifacts in the display cases. We spoke to thousands of visitors and over 8800 brochures on Pennsylvania archaeology and history were distributed.

Pennsylvania has an outstanding wealth of archaeological resources that I believe can enhance the lives of everyone. The Farm Show exhibit and the information we disseminated is one step in communicating this heritage to the people of Pennsylvania. Our exhibit on the *Evolution of Native American Foodways* was an opportunity to address an interesting topic but also to demonstrate Pennsylvania's role in contributing to the understanding of this important research issue. We are beginning to realize that domesticates, such as squash and possible domesticates, such as chenopodium and little barley were part of the diet a thousand years earlier than previously understood. The consistent use of flotation as a data recovery method and the analysis of plant residues on pottery and stone tools have placed Pennsylvania on the forefront of this research.

In addition, and as you know, the archaeology of Pennsylvania is being destroyed at an ever-increasing rate. We need help in slowing this destruction and that will come by increasing the public's awareness of Pennsylvania's significant archaeological sites. I feel the Farm Show exhibit represents a significant vehicle for the dissemination of information reflecting the goals of our agency and those of our partners, SPA and PAC.



Bob Winters



Farm Show Display Area

This presentation is also a great way to promote visitation to the State Museum and increase membership in the SPA. This event represents one of the most intensive interactions with the public that we have all year. Using our sampling scheme of counting all visitors coming into the exhibit for two, one-hour periods each day, we touched over 27,600 visitors. This high volume of attendance is a testimony to the quality of the exhibit, our initiative in engaging the public and the public's interest in archaeology.

This year's exhibit was well designed and was easy to install and dismantle. The exhibits staff at the State Museum did a great job. Although the theme will change, I think we can use this design for several more years.

As usual, the highlights for the public were sitting in the dugout canoe and Bob's flint knapping demonstrations. They also seemed very interested in the artifacts we had on display reflecting the evolution of the Native America diet. I spent more time in this area of the exhibit than in previous years and I noticed that they read the labels and frequently had questions. I found that it was easy to engage visitors in a conversation about the significance of these artifacts. They frequently pointed out artifacts that were similar to ones in their own collections or had questions about the atlatl weights or the face on the Susquehannock pottery.

The main disappointment this year was our location. Although we were in a high traffic area, our banner faced a wall and could not be observed from a distance. We were aligned in four spaces (10'X40') rather than in a rectangle of six spaces (20'X30") as in previous years. We were very busy with visitors but our numbers were down and I think the smaller space and the linear arrangement was the reason. In addition, the Bureau for Historic Preservation had their own booth this year. Originally, the plan was for our booths to be adjacent to one another but at the last minute, we were moved. The BHP booth and our archaeology exhibit should be adjacent to one another. Staffing is more efficient and it is important to show the diverse interests and resources of the PHMC. These are issues that need to be addressed prior to our 2013 exhibit. We are in the process of scheduling a meeting with the Farm Show people and I am going to make the case for a return to six spaces and our location of two years ago.

I would think that one of our goals for next year would be to increase the efficiency of getting our message or messages to the public. I would like to do more to rally support for archaeology, visitation to the State Museum and membership in the SPA. Bob and the dugout easily pull the people in, but I think we need to have a more defined product to sell once we have their attention.

That said, Bob Winters is retiring this year. Beginning with his work on City Island in the early 1990s, his volunteer effort at our excavation at the rhyolite quarries and his participation in the Farm Show beginning in the late 1990's, Bob has made a significant contribution to our outreach program. He has been an essential component in our exhibit and his contribution as a lithic technologist and his showmanship has made our Farm Show booth a "must see event" for visitors. He cannot be replaced but we will need to develop something else to draw in the public. I would like to personally thank him for his years of commitment to Pennsylvania archaeology.

As for a theme next year, 2013 will be the last year in the 250 anniversary of the French and Indian War celebration. In a discussion with the archaeology staff at the State Museum, we are thinking of our Archaeology Month project at Fort Hunter and also the State Museum/PHMC research at Fort Loudoun, Fort Augusta, Fort Leboef, and Fort Pitt. The archaeology of the French and Indian War would be a good topic for consideration as a theme in 2013.

Finally, I would like to thank all of our volunteers, but especially the members of the SPA: Ken and Cheryl Burkett, Gene Delaplaine, Meli Diamanti, Steve Israel, Rich Nearhood and Paul Nevin. Most of you travelled great distances and at your own expense. It is important for a variety of reasons that we have experienced archaeologists as volunteers and the excitement that you display for archaeology is an added benefit. This program would not be as successful without you.

Submitted by Kurt Carr.

Tavern Days at Dill's Tavern

Tavern Days at Dill's Tavern, Dillsburg, PA will be held on June 9-10, 2012. In its second year, this informative educational program immerses participants in fascinating and often overlooked aspects of 18th and early 19th century life. Seminars include: Clothing and Manners Maketh Man (and Woman); 18th Century Fishing and Philosophy; The Wheelwright's Shop and Log Barn at Dill's Tavern; Naval Medicine of the 1812 Era; Popular Music in the 18th Century; and The Archaeological Dig at Dill's Tavern

During the summer of 2011, Steve Warfel, assisted by two paid crew and a host of volunteers, conducted an eight-week dig on the tavern property. His presentation will examine project findings and assess the significance of 48,295 artifacts unearthed by the investigation.

For detailed program and registration information, visit the Dill's Tavern web site at <http://www.dillstavern.org/tavern-days-2012.html> May 1st is the deadline for early, discounted registrations.

News from the State Museum

Brochures Available

The Section of Archaeology at The State Museum of Pennsylvania has a new brochure available upon request for SPA Chapter events. The brochure, titled Native American Foodways, was produced in support of our exhibit at the 2012 Pennsylvania Farm Show. Information in the brochure focuses on the changes over time from a low family based population dependent on hunting and gathering to a larger tribal society increasingly focused on farming. Five brochures have been developed and include the following titles By River and Trail, The Changing Frontier, Petroglyphs, Archaeology through the Pennsylvania Trails of History, and the latest Native American Foodways. Requests for brochures may be submitted to Elizabeth Wagner at elwagner@pa.gov. Please allow two weeks for delivery.

Blog Announcement:

The weekly blog of The State Museum's Section of Archaeology, This Week in Pennsylvania Archaeology (TWIPA) is currently focusing on the archaeology of each county in the Commonwealth. As of this writing we are up to Berks County, please visit the site at <http://twipa.blogspot.com/> to follow events and find topics of interest. As we journey through the various counties, we would like to invite SPA Chapters to submit a brief, 500 words or less, summary of excavations the chapter is involved with in their respective county. Our blog reaches over 14,000 people and this is a great way to share your projects with the archaeological community. It might also reach an audience of potential new members for both your Chapter and the Society for Pennsylvania Archaeology. If your Chapter is interested in participating in the blog, please contact Janet Johnson at janjohnson@pa.gov or Kurt Carr at kcarr@pa.gov.

Annual Meeting Election 2012 Ballot

Elmer Erb Permanent Fund Trustees (2) six-year terms:

Nominations: Philip Neusius and Greg Lattanzi

W. Fred Kinsey Scholarship

The annual W. Fred Kinsey Meeting Scholarship will provide student membership to The Society for Pennsylvania Archaeology for one year, a \$100.00 award, and banquet costs for the annual meeting. Dr. Kinsey was a curator with the PHMC before going to Franklin and Marshall College and The North Museum from the early 60's thru the mid 1980's. His work on the prehistory of the Upper Delaware laid the foundation for much of the interpretation of this region of Pennsylvania. In addition to his contributions to archaeological investigations he mentored many students who went on to become significant archaeologists on their own merits.

Students currently pursuing an undergraduate or graduate degree are eligible to apply for the W. Fred Kinsey Meeting Scholarship. Eligibility is dependent on a complete, single-author paper with PowerPoint slides (if appropriate) to be presented at the annual meeting of The Society for Pennsylvania Archaeology. To be eligible for the award the student presentation must have been accepted by the program chair for the SPA annual meeting. Papers should focus on topics relevant to Pennsylvania archaeology. Award of the Scholarship requires submission of the complete paper by a single author, in an electronic format (Word or WordPerfect) to the Program Chair by the regular submission deadline date for papers as set by the Program Chair. The Program Chair Persons this year are Amanda Valko and Brian Fritz AVALKO@mbakercorp.com, deadline for submission is March 23, 2012. Selection of the winning paper will be based on quality of original research, presentation and appeal to the avocational and professional archaeology community. The committee consists of at least three members of the Society, one from staff of the PHMC and one member from the education committee of the Society. Students are eligible for both the Hatch Scholarship and the Kinsey Meeting Scholarship. Two scholarships are available from the Kinsey fund this year, one each at the undergraduate and graduate level.

Presentation of the award will be announced at the Annual Meeting of the Society for Pennsylvania Archaeology in April. The selected paper will be published on-line through the PHMC website and submitted for review to the editor of the journal *Pennsylvania Archaeologist* for possible publication. The editor of the journal will make the final decision on publication.

The link to the Society for Pennsylvania Archaeology (<http://www.pennsylvaniaarchaeology.com/>) has additional information on the Annual Meeting and registration is currently open. The 83rd Annual meeting is scheduled for April 13-15 , 2012 in Clarion, Pennsylvania. The theme of this year's meeting will be "From East to West, Over the Hills and Through the Dales: Sifting through Pennsylvania's Past".



Many thanks to this year's sponsor of the W. Fred Kinsey Scholarship

Donations to support the scholarship fund may be directed to Kcarr@pa.gov

2012 James W. Hatch Scholarships

The Pennsylvania Archaeological Council (PAC), in cooperation with the Society for Pennsylvania Archaeology, will once again award scholarships to enable students of archaeology in Pennsylvania schools and universities to attend the joint annual SPA/PAC meeting in April 2012. We anticipate that at least three such scholarships of \$100 apiece will be awarded. We encourage all current students in Pennsylvania high schools or universities with an interest in archaeology and the activities of the SPA to apply, although preference will be given to students planning to present papers at the meeting. Applications, in the form of a brief letter of interest explaining the student's background and qualifications for the award, should be sent by mail or e-mail by March 31 to Paul Raber at:

Paul Raber
Heberling Associates, Inc.
904 Main Street
PO Box 376
Alexandria, PA, 16611
praber@heberlingassociates.com
(717) 935-2204

Awards Reminder

Jacob L. Grimm IV Carbon 14 Award deadline March 13, 2012 Dr. Bernard K. Means, Chair bkmeans@juno.com
Annual Awards: Lifetime, Archey, J. Alden Mason, Shrader/George (Youth), John Witthoft, and Frances Dorrance Lynn Baer, Chair Please visit: www.PennsylvaniaArchaeology.com for details.

Annual Chapter Reporting Requirements

Annual Chapter report forms have been mailed or emailed to the individual chapters. This report details chapter activities for the previous year (2011). This report is a chapter obligation under the SPA constitution. Forms are available to download from the SPA website. Deadline: March 13, 2012

All SPA chapters are required to report **chapter officers** to the Secretary **annually**. This report is necessary for maintaining current contact information for all chapters. Please report officers even if there has not been an election or change of positions in your chapter. Please include addresses, phone numbers and email addresses if possible.

Dues Reminder: 2012 annual membership dues are now payable. The membership form can be found in the Fall SPA Newsletter or on line at www.PennsylvaniaArchaeology.com

New mailing address: Treasurer, SPA, P.O. Box 213, New Bethlehem, PA 16242

Only members in good standing may vote at Annual Meeting, hold office or present papers. Membership includes your subscription to the Pennsylvania Archaeologist, the SPA Newsletter and other informational mailings.

ELMER ERB PERMANENT FUND Report FOR 1/1/12 – 2/27/12

Balance as of 1/1/12

<u>Mutual Funds</u>	
Delaware High Yield Fund	\$12,397.51
Delaware Decatur Fund	\$ 5,780.91
T. Rowe Price	\$14,604.34

<u>Certificates of Deposit</u>	
CD (2 years)	\$ 33,153.19
CD (3 years)	\$ 6,389.39
Checking Account	\$ 4,153.28
Total	\$76,478.62

Transactions for 2012 - Revised on 1/10/12

1/10/12 Life Members differential (64 Life members minus 1 new Life Member) and half of an AMS date paid to the SPA general fund from the Well's Fargo account. \$1,205.00

Balance as of 2/24/2012

<u>Mutual Funds</u>	
Delaware High Yield Fund	\$13,350.63
Delaware Decatur Fund	\$ 6,481.75
T. Rowe Price	\$16,477.36

<u>Certificates of Deposit</u>	
CD (2 years)	\$ 33,291.83
CD (3 years)	\$ 6,405.54
Checking Account	\$ 2,948.78
Total	\$ 78,955.89

Submitted by Kurt Carr, EEPF, chair

SPA Annual Meeting 2012 Abstracts

PAPERS

A Preliminary Model for the Alligewi Tribe by David Sorg

The semi-legendary Alligewi Indian tribe was the source of the place-name "Allegheny", as was stated by John Heckewelder and David Zeisberger and recently verified in detail by Ives Goddard and Thomas Love. Our information about this tribe comes exclusively from 18th and early 19th century Unami Delaware sources. As far as is known, there was no documented European contact with these people in the 18th or 19th centuries.

There was, however, a single documented encounter with a people known as the "Hereckeenes" in 1632. This paper will examine all available historical and linguistic evidence and propose a model that the Alligewi were the 18th-century continuation of the Hereckeenes. It will also propose that the Hereckeenes were known to the French Jesuits as the "Ehressaronon". We shall also discuss possible cultural affiliations of the tribe.

A Microscopic Examination of Two Early Woodland Copper Objects from West Virginia and Pennsylvania by McConaughy, Mark A. (Pennsylvania Bureau for Historic Preservation), Gretchen E. Anderson (Section of Anthropology, Carnegie Museum of Natural History) and Deborah G. Harding. (Section of Anthropology, Carnegie Museum of Natural History)

Two Cresap phase Early Woodland Period sites, McKees Rocks Mound, Pennsylvania, and Cresap Mound, West Virginia, yielded two interesting copper objects used in this study. A copper imitation bear canine was recovered from McKees Rocks Mound in 1896. A copper quadriconcave gorget was recovered from Cresap Mound in 1958. These two objects were examined using a Dino-Lite digital microscope. Microscopic examination of the two items found materials and residues preserved by copper salts. The materials and residues were digitally photographed. A piece of fabric was preserved by the copper salts on the McKees Rocks copper bear canine. Residues of hide and hair were found adhering to the Cresap Mound gorget. The preserved materials provide insights into the perishable goods placed with Cresap phase burials.

Thomas Harper's Fieldwork and Collection by David Watters, Curator Emeritus, Section of Anthropology, Carnegie Museum of Natural History

Thomas Harper's involvement with archaeological endeavors in western Pennsylvania and his passion for collecting artifacts are topics for the most part unfamiliar to modern archaeologist. Yet, a review of written and photographic documents in the archives of Carnegie Museum of Natural History discloses that Harper participated in a number of field projects, including the McKees Rocks Mound excavation, and maintained ties to other scholarly societies such as the Historical Society of Western Pennsylvania. After Harper's death in 1901, W. J. Holland, Director of Carnegie Museum, negotiated with his estate and eventually purchased the artifact collection in 1902. The breadth of Harper's collection obtained in the United States and from foreign countries, which is remarkable in its scope, has been neglected for more than a century. This paper constitutes a first effort to redress these omissions.

Body Adornment from Prehistoric to Historic Times by Stacie Riggin, Student, California University of Pennsylvania

The topic I will be covering is body adornment for prehistoric to historic Native Americans. I will be covering body paint, tattooing,

and body jewelry with a greater focus on tattooing practices and the transition from body paint to tattooing. I will look at the different motives and reasons for tattooing, discussing medical purposes, storytelling, emanation, and spiritual practice, while also discussing techniques used and meanings behind the tattooing. The core group of the tattooing and body paint focus will be prehistoric Native Americans whereas the main focus of the body jewelry focus will be historic Native Americans. While looking at body jewelry I plan to discuss the prehistoric introduction to the historic uses and practices. I will look at all body adornment from its earliest known origins to the uses of the specific groups researched.

The Other Clemson Island Sites: Recent Investigations at 36BL112, by Paul A. Raber, Heberling Associates, Inc.

Models of Clemson Island settlement proposed by Stewart (1994) and Hay et al. (1987) recognize a hierarchy of site types, including villages and hamlets, with and without associated mounds, and small special-purpose camps. Not surprisingly, virtually all of the attention of archaeologists for the past century has focused on the village and hamlet sites and the mounds sometimes associated with them. There have been almost no intensive studies of small special-purpose sites and of what happened there. Recent investigations at 36BL112 provided an opportunity to examine life at a small camp on the western edge of the Ridge and Valley province occupied during the early Late Woodland period.

Finding Fort Hyndshaw by Danny Younger

Built in 1756, Fort Hyndshaw was the easternmost stronghold in a line of defenses erected by order of the Province of Pennsylvania during the French and Indian War. While the fort's precise location has been a matter of scholarly conjecture since the late 19th century, a recent investigation has shed new light on the likely whereabouts of this as-yet-undiscovered site. This submission will document the current effort to definitively pinpoint the elusive remains of Fort Hyndshaw.

Using a combination of historical source material (including the fort commander's Journal, newspaper accounts and warrantee township maps), ground surveys, LIDAR and infrared imagery, an avocational archaeologist makes the case for finding Fort Hyndshaw at a very specific location on federal land within the Delaware Water Gap National Recreation Area. Advice from the archaeological community on best "next steps" will actively be solicited.

Frazier Sawmill Blacksmith Shop: Delineating the Walls and Work Areas By Amanda L. Valko and Brian L. Fritz, North Fork Chapter #29, Society for Pennsylvania Archaeology

Frazier Sawmill Blacksmith Shop is located in Clear Creek State Park, Jefferson County, Pennsylvania. The North Fork Chapter of the Society for Pennsylvania Archaeology has undertaken excavations at this site since 2005 as a public archaeology outreach program. The site was reported on at ESAF 2007 with three goals to accomplish: 1. To delineate the actual structure of the blacksmith shop; 2. To delineate the work areas within the blacksmith shop; and 3. To determine if the blacksmith shop was associated solely with the sawmill vs. the sawmill and the surrounding community. Excavations in 2007 uncovered the eastern wall of the blacksmith shop and the general location of the blacksmith's anvil. Excavations in 2008, 2009 and 2011 have uncovered the south wall of the shop and hence the southeast corner along with the precise location of the anvil. We have also determined the possible location of the forge

Mapping the Arroyo Tannery Heritage Site, Allegheny National Forest, Elk County, Pennsylvania by Brian L. Fritz, Principle Investigator, Quemahoning, LLC

The Arroyo Tannery was a leather manufacturing center that operated along the Clarion River in Elk County, Pennsylvania between 1881 and 1924. Tannery workers processed up to 50,000 hides annually. Ruins of the tannery complex and more than 40 company built worker's houses are represented by stone walls, concrete piers, and foundation holes that stretch across an area encompassing more than 30 acres. In 2009, a cooperative partnership was formed between the Allegheny National Forest, the Jefferson County Historical Society, and Quemahoning, LLC for the purpose of generating detailed maps of the Arroyo Tannery site ruins. The field survey recorded the location, size, and shape of over 150 structures. The results of the survey will help the Forest Service to make better decisions regarding the preservation of the ruins and how best to present the story of the Arroyo Tannery Heritage site to the public.

MONONGAHELAS IN SOUTHWESTERN NEW YORK? "NOT NO WAY, NOT NO HOW" (Frank Morgan 1939) by William C. Johnson, Ph.D., Society for Pennsylvania Archaeology, Pittsburgh, Pennsylvania

Since the mid-1950s, archaeologists have ascribed the Late Woodland period shell-tempered cord-marked pottery in northwestern Pennsylvania and southwestern New York to the Monongahela tradition people of the lower Upper Ohio Valley. This explanation implied a population intrusion from southwestern Pennsylvania that replaced the indigenous makers of the early Late Woodland grit-tempered ware in northwestern Pennsylvania and adjacent southwestern New York. Since 1975, this author has contended that accumulating cordage twist direction data as documented in the negative impressions on Mahoning Cord-Marked, Chautauqua Cord-Marked, and McFate Incised ceramics in northwestern Pennsylvania (S-twist) on the one hand and Monongahela Cord-Marked sherds (overwhelmingly Z-twist) on the other, negated the synonymy of the two series. Continuation of late Mahoning ware morphological and decorative attributes on early shell-tempered series ceramics offers parallel evidence for the in situ evolution of the Chautauqua Cord-Marked and McFate Incised types. While the cordage twist data for Late Woodland shell-tempered ceramics in southwestern New York is meager, it suggests a preference for S-twist cordage there makes an ascription to migrating Monongahela tradition potters unlikely.

The Archaeological Investigations of the Captain James Gormley and Captain Michael Cox Houses in Brownsville, Pennsylvania: A Lesson of Class on the Monongahela River by Marc Henshaw, Michigan Tech

The push westward was accelerated by the invention of the steamboat in southwestern Pennsylvania in the early 19th-century. Through its evolution throughout that century, many who worked on the boats made the transition from a frontier economy to industrial capitalism. This paper is about two captains, each with a vastly different experience in Brownsville during and after this transition. This paper represents the preliminary results of two excavations, the Captain James Gormley House and the Captain Michael Cox House in Brownsville, Pennsylvania. Through the artifacts recovered, questions of class and class status, social positioning within the community and ethnicity can be answered.

POSTER SESSION (Students)

Investigation of the Squirrel Hill Site and Other Late Prehistoric Sites in the Conemaugh Watershed by Lydia DeHaven, Graduate Student, Indiana University of Pennsylvania

IUP's anthropology department has led several investigations into the Johnston Phase of the Monongahela culture. The focus of

current research was to establish the date and cultural affiliations of the Squirrel Hill site. This was done by systematic survey of the site using geophysical technologies to determine the internal arrangement of the village and by collecting excavation samples for analysis and dating. This information led to a better understanding of the internal organization of the Squirrel Hill site as well as its relationship with neighboring communities by developing a multiple property context of the period.

Body Adornment from Prehistoric to Historic Times by Stacie Riffin, Student, California University of Pennsylvania

The topic I will be covering is body adornment for prehistoric to historic Native Americans. I will be covering body paint, tattooing, and body jewelry with a greater focus on tattooing practices and the transition from body paint to tattooing. I will look at the different motives and reasons for tattooing, discussing medical purposes, storytelling, emanation, and spiritual practice, while also discussing techniques used and meanings behind the tattooing. The core group of the tattooing and body paint focus will be prehistoric Native Americans whereas the main focus of the body jewelry focus will be historic Native Americans. While looking at body jewelry I plan to discuss the prehistoric introduction to the historic uses and practices. I will look at all body adornment from its earliest known origins to the uses of the specific groups researched.

Geophysical Survey Results at Old Smicksburg Park, Indiana County, Pennsylvania, by Mike Whitehead, Ryan Spittler, Justin Daley and Ryan Clark, Indiana University of Pennsylvania

This report presents the results of a geophysical investigation conducted at Old Smicksburg Park, Indiana County, Pennsylvania. This project utilized a ground penetrating radar (GPR) survey and a magnetic gradiometer survey to locate and map subsurface features within four historic town lots. These lots were vacated in the late 1930s due to a large flood control effort by the U.S. Army Corps of Engineers, which condemned nearly two-thirds of the town's total acreage and over half of its buildings. The objective of this investigation is to promote a greater level of knowledge of the site's historic alteration processes, and to demonstrate that geophysical survey methods can effectively locate and map structural features at historic archaeological sites. This investigation generated evidence of several structural elements of Old Smicksburg, including two churches, two houses, and numerous other features. We anticipate such information will be beneficial for future scientific research endeavors.

Geophysical Survey of the Historic Cemetery in Salisbury, Pennsylvania, by Callista Holmes, Andrea Boon, Glen Henson, Laura Kaufman and Sarah Mousetis, Indiana University of Pennsylvania

The town of Salisbury, PA was founded in 1795 by Joseph Markley, a son of German immigrants. Locally and simply known as "the old cemetery on the hill" (Ashley Brown, personal communication) the Salisbury Union Cemetery was the first cemetery in the town. Known graves in this cemetery date to almost two hundred years ago, with the most recent graves that remain date as far back as the first decade of the twentieth century (Salisbury Historical Society n.d.). Due to the old age and limited upkeep of the cemetery and the possible exhumation of some graves it is recognized that there are numerous unmarked graves located within the cemetery. Through the performance and analysis of the geophysical surveys discussed above it was hoped that unmarked graves could be located, differences between graves of different ages could be identified and the best type of geophysical instrument for this type of survey could be identified. In order to achieve these goals three grids were surveyed within the cemetery area using a GSSI SIR 3000 GPR, a MALA X3M GPR and a Geoscan Fluxgate Gradiometer FM256. Based on the data collected up to this point it

is difficult to identify and locate any unmarked graves, suggesting that more work is necessary to achieve the goals of this project.

Butler County Dirt Dragons: A Photographic History of Pre-College-Age Students Learning about Real Archaeology in Butler County, PA by Pam Billman, P.G. and Edmund Dlutowski, PhD

The Dirt Dragons is a free program for students, age 12 and up, who want to learn about archaeology. Any student is welcome to participate. This program is sponsored by the Butler County Historical Society and administered by Dr. Edmund Dlutowski, Staff Archaeologist. Dr. Dlutowski teaches the Dirt Dragons the techniques for uncovering an archaeological site. The students learn hands-on excavation techniques as well as how to identify artifacts and how to clean and catalog artifacts. Various professionals in related fields of study supplement the Dirt Dragons program with lectures and videos that show the interdisciplinary nature of archaeology.

This poster presents a photographic history of the Dirt Dragons from 2006 through 2011. The locations vary from a prehistoric rock shelter to a late 1800s summer kitchen to an early 1900s glass factory

Archaeological Prospection of the Hatfield site, a Monongahela Tradition Village in Washington County, Pennsylvania by Jason Espino, Seth Van Dam, Ashley Brown, and Marion Smeltzer, Indiana University of Pennsylvania

An archaeological prospection survey was undertaken at the Hatfield site in November of 2011. In total, 28 subsurface anomalies were identified through magnetic susceptibility, magnetic gradient, and ground-penetrating radar methods. Several of the anomalies resulted from modern activities at the site, including agricultural plowing and previous archaeological excavations. However, a number possibly represent prehistoric cultural remains pertaining to a Monongahela tradition component at the Hatfield site, including two pit features, six dwellings, and a house ring zone. The size and arrangement of dwellings as well as the spatial layout of the house ring is consistent with typical Monongahela tradition villages. If the anomalies indeed represent a section of a village, it would encompass an estimated area of 1.7 to 2.27 acres (0.69-0.92 ha). In addition, a composite anomaly to the south of the Hatfield site may represent a second village covering an area of 0.25 acres (0.1 ha).

Geophysical Investigations at Hanna's Town 36WM203 - Examination of Proposed Lot Boundaries and Evidence of the Historic Town by Renate Beyer, Randy Kuhlman, Eric Ptak and Sara Rubino, Indiana University of Pennsylvania

This report presents the results of geophysical investigation conducted at Historic Hanna's Town site 36WM203 in Westmoreland County, Pennsylvania. The objective of this investigation was to use geophysical methods to locate previous excavation, early colonial settlement patterns and further test the lot boundary hypothesis set forth in a report titled "Settlement Boundaries and Lot Placement at Old Hanna's Town" by Fryman and Eddings (1985). Two methods were used for the investigation: Ground penetrating radar (GPR) and magnetometry. A 2,500 square meter grid was investigated. The area investigated was open field with a slight slope. The southern half of the grid was covered in unmowed grass which did not interfere with collection, but did slow it down. The GPR data showed recognizable features, but the survey area was heavily disturbed and insufficient to try and locate historic structures which would help answer the lot boundary question.

BANQUET SPEAKER

Documenting the Archaeological Record: The Complementary Roles of Professionals and Amateurs, by Dr. Michael J. Shott, Professor and Chair, Department of Anthropology and Classical Studies University of Akron

The archaeological record is too vast and diverse for the slim roster of professional archaeologists to document alone. The principles of documentation of the surface record are too straightforward for responsible amateurs to ignore. Therefore, professionals and responsible amateurs must collaborate to document the record to the degree and in the detail that it deserves. The responsibility to collaborate places joint and several obligations on us all. Among these are the need to document local private collections in NHPA Sec. 106 investigations, because those collections are as much a part of the regional archaeological record as are the materials remaining in or on the ground. Fortunately, new methods for 2- and 3D recording of artifacts will make this task efficient, and will at once revise the preservation process and improve prospects for research.

DONATIONS NEEDED FOR THE ANNUAL AUCTION

Support the Elmer Erb Permanent Fund by sending or bringing donations for the auction held at the Annual Meeting Awards Banquet. Proceeds from the auction support the Permanent Fund which provides funding for life members and the Jacob L. Grimm Carbon-14 awards. The fund also insures the financial solvency of the Society. This has been especially important over the last few years to cover the loss of grants and other support. The fund also is a wonderful places for memorials to our members and family who value the mission of the Society for Pennsylvania Archaeology, Inc.

PAC Symposium

Friday, April 13, 2012 1:30 – 4:00 p.m.

In conjunction with the Annual Meeting of the Society for Pennsylvania Archaeology, Inc.

"Recent Research on the Susquehannocks"

Preliminary program:

April M. Beisaw – *Stress and Shifting Identities in the Susquehanna Valley around the Time of European Contact*

Jasmine Gollup – *Tracking the Susquehannocks: 'Proto-Susquehannock' Sites in the Upper Susquehanna River Valley*

Sara Rubino - *Recent Research on Susquehannock Occupations at the Byrd Leibhart Site*

Robert P. Wheelersburg - *Ceremonialism among Susquehannock Indians: New Evidence and Reexamination of Existing Evidence*

Andrew Wyatt - *The Lemoyne Site: Implications for Early Seventeenth Century A.D. Susquehannock Settlement Patterns in the Lower Susquehanna Valley*



Eastern States Archeological Federation
79th Annual Meeting
HOLIDAY INN – FRENCH QUARTER
PERRYSBURG, OH
October 25 - 28, 2012

Call for Papers

<p align="center"><u>When</u> October 25 - 28, 2012</p>	<p>Individuals are invited to submit abstracts for papers, posters, and workshops on any topic related to archaeology in the Eastern United States to be presented at the 78th Annual Eastern States Archaeological Federation (ESAF) held Thursday, October 25 through Sunday, October 28, 2012. Thematic sessions, such as archaeology on military sites in light of the bicentennial of the War of 1812, are especially welcomed. Students are encouraged to submit papers for the Best Student Paper Prize (see other side) for special instructions.</p>				
<p align="center"><u>Where</u> Holiday Inn-French Quarter 10630 Fremont Pike Perrysburg, OH 21001 (419) 874-3111 www.hifq.com</p>	<p>Guidelines:</p> <ol style="list-style-type: none"> 1. Presenter(s) must be individual members of ESAF for 2012. 2. Registration fees and membership dues for ALL presenters are due by August 31, 2012. Membership dues and conference registration may be paid via PayPal at www.esaf-archeology.org. Abstracts will not be accepted until fees are paid. 3. An individual can be the primary author on only one paper or poster, but may be a co-author on other papers or posters. Workshop participants may also present papers. 				
<p align="center"><u>Deadlines</u> Presenters registration and membership no later than August 31, 2012</p>	<p>Submission Information:</p>				
<p align="center">Attendee registration no later than October 15, 2012.</p>	<p>The deadline for the paper or poster title, abstract, and fees is August 31, 2012. In addition to the title and abstract (150 words or fewer), provide name, affiliation, address, phone, and email address for each presenter. <u>Please include audio-visual requirements.</u> Thematic session chairs should submit all paper and poster abstracts as a package. Abstracts may be submitted to the Program Chair in hard copy or attached to an e-mail in .doc format.</p>				
<p align="center">Registration, Banquet Fees and conference room rate will be determined by April 30, 2012</p>	<table border="0"> <tr> <td> <p align="center">Book Room and Exhibit Space: ESAF Arrangements Martha P. Otto Curator Emerita</p> </td> <td> <p align="center">Send Submissions to: Dr. John P. Nass, Jr. ESAF Program Chair Department of Justice, Law and Society California University of Pennsylvania 250 University Avenue California, PA 15419 nass@calu.edu (724) 938-5726</p> </td> </tr> <tr> <td colspan="2"> <p align="center">Ohio Historical Society fm3542@aol.com</p> </td> </tr> </table>	<p align="center">Book Room and Exhibit Space: ESAF Arrangements Martha P. Otto Curator Emerita</p>	<p align="center">Send Submissions to: Dr. John P. Nass, Jr. ESAF Program Chair Department of Justice, Law and Society California University of Pennsylvania 250 University Avenue California, PA 15419 nass@calu.edu (724) 938-5726</p>	<p align="center">Ohio Historical Society fm3542@aol.com</p>	
<p align="center">Book Room and Exhibit Space: ESAF Arrangements Martha P. Otto Curator Emerita</p>	<p align="center">Send Submissions to: Dr. John P. Nass, Jr. ESAF Program Chair Department of Justice, Law and Society California University of Pennsylvania 250 University Avenue California, PA 15419 nass@calu.edu (724) 938-5726</p>				
<p align="center">Ohio Historical Society fm3542@aol.com</p>					

The Eastern States Archaeological Federation
Annual Student Paper Competition

CALL FOR PAPERS 2012

Graduate and undergraduate students are invited to submit abstracts for twenty-minute papers on any topic related to prehistoric or historic archaeology in the eastern United States and the eastern provinces of Canada. Papers will be judged by a panel of scholars to be drawn from the fields of archaeology, anthropology, history, material culture, and American Studies. Students are required to present their papers orally to the membership during the annual ESAF conference and to submit a copy of the finished paper, with references, to the award committee chair ten days in advance of the conference. The judges will base their decision on the content of the paper, the student's presentation, and contribution to the field of archaeology. The winner will receive a certificate of award, a cash prize, and a year's membership in ESAF. The winning paper will be considered for publication in *Archaeology of Eastern North America*. Participants must be current members of ESAF. Guidelines may be found on the ESAF website: <http://www.esaf-archeology.org/meeting.html> NOTE: you must also follow the instructions for abstract submission and conference pre-registration online at www.esaf-archeology.org This student paper award application does not register you for the conference and does not submit your paper abstract to the program chair.

DEADLINE FOR TITLE AND ABSTRACTS: August 1, 2012

NAME: _____ AFFILIATION: _____
 DEGREE PROGRAM: _____
 ADDRESS: _____ CITY/STATE/PROV: _____ ZIP/POSTAL: _____
 PHONE(day): _____ FAX: _____ EMAIL: _____
 PAPER TITLE: _____

Mail or email this form plus your abstract of 150 words or fewer to:

Dr. Carolyn Dillian, ESAF Student Paper Award Committee Chair
 Department of History, Coastal Carolina University, P.O. Box 261954, Conway, SC 29528 cdillian@coastal.edu

83rd Annual Meeting
Society for Pennsylvania Archaeology
April 13 – 15, 2012

*From East to West, Over the Hills and Through the Dales:
Sifting Through Pennsylvania's Past*
Hosted by the North Fork Chapter 29

Location: Clarion Holiday Inn

Program Chair: Program Chairs: Amanda Valko & Brian Fritz
116 E. Englewood Avenue
New Castle, PA 16105
Phone: 724-654-2744 (H) E-mail: avalko@mbakercorp.com

Accommodations: Clarion Holiday Inn - located at 45 Holiday Inn Road, Clarion, PA 16214 just off exit 62 of Interstate 80. Special room rate of \$88 per night. Reservations must be made by calling (814) 226-8850 724). Ask for Front Desk Reservation and identify yourself as being with the Society for Pennsylvania Archaeology. Do NOT reserve using the Holiday Inn 800 number. Discount reservations must be made by March 31st.

Saturday Banquet: The guest banquet speaker will be Dr. Michael J. Shott, Professor and Chair, Department of Anthropology and Classical Studies, University of Akron who will be presenting: *Documenting the Archaeological Record: The Complementary Roles of Professionals and Amateurs*

Auction: Items for the auction should be brought to the book room for display. We are again requesting that each chapter consider providing an auction item(s) to help support the Erb Permanent Fund.

Book/Exhibit Room: Please direct table reservations and inquiries to Ed Kaufman at ekaufman@atlanticbb.net

SPA Board of Directors Meeting: Friday afternoon, beginning at 6:00 P.M.

The title of the Friday Afternoon PAC meeting symposium to be announced

SPA 2012 Registration Form:

Name (s): _____ Phone: _____

Email: _____ Chapter/Institution: _____

Address: _____ City: _____ State _____ Zip: _____

Registration: \$27.00 x _____ Student Registration: \$22.00 x _____

Saturday Evening Annual Awards Dinner 6:00 pm

Buffet with Stuffed Chicken Breast, Sliced Sirloin and Broiled Lemon
Pepper Cod with salad, vegetable, potato, desert and coffee or tea.

Buffet Dinner: \$27.00 x _____ Vegetarian dinners \$27.00 x _____

Please Return by: March 31st, 2012

<p>Make check payable to: North Fork Chapter 29</p> <p>Mail to: Cheryl Burkett 2717 Brookville Street FairmountCity, PA 16224</p> <p>Contact: cherlburkett@comcast.net (814) 365-5563</p>
--

The Pennsylvania Department of Transportation Announces



2012 Summer Internships in Cultural Resource Management

PennDOT's Cultural Resource Management Program will offer internships in cultural resource management and historic preservation at the Central Office in Harrisburg Pa. and in Indiana, Pa. at Indiana University of Pennsylvania. Interns will be directly involved in important research on the management, study and stewardship of archaeological sites and historic resources affected by transportation projects. They'll also be exposed to the full range of job skills and employment opportunities in Cultural Resource Management through formal seminars and rotations in GIS, curation, archaeological field work, project assessment, consulting, environmental review, and National Register evaluation.

Our internships, part of the Department's Engineering, Scientific and Technical Internship Program (ESTI) pay \$11.43/hour and undergraduate or graduate credit may be available through your university department. Preference will be given to applicants with previous exposure to GIS, database management, and archaeological, historical, or historic preservation course work and field experience in the Middle Atlantic region. Interviews typically are scheduled in February and March.

Requirements:

Students must be registered fulltime (carrying 12 or more undergraduate credits or 9 or more graduate credits) for the Fall semester 2012, and in good academic standing to be considered for internship positions for Summer 2012.

The following majors will be considered for Cultural Resource Management internships:

- Anthropology
- Archaeology
- Cultural Resource Management
- Historic Preservation
- History
- Architectural History
- Geography/GIS
- Geology
- American Studies

Students must also have completed their 1st year in a 2-year Associate Degree Program or a 4-year Bachelor Degree Program.

To Apply: Please visit the PennDOT [Bureau of Human Resources Employment Information Page](#), and click on the [Summer Internship, Non-Engineering link](#). Download and submit an application to the Bureau of Human Resources as instructed on the application.

For technical questions about the Summer Internships in Cultural Resource Management, please contact:

Joe Baker
C/O PennDOT Bureau of Project Delivery, Environmental Quality Assurance Division
PO Box 3790
Harrisburg, Pa 17105-3790
(717) 705-1482
jobaker@pa.gov

The Commonwealth is proud to be an equal opportunity employer promoting workforce diversity