



The Society for Pennsylvania Archaeology, Inc.

Newsletter Fall 2014

Message from the President Fall 2014

Fall is the season that most of us renew our membership in the SPA. In fact a reminder form is included in this newsletter issue and reminder cards will be going out in October. So this is a good time to remember the opportunities being part of SPA as well as of our local chapters provides for us.

First of course, besides this newsletter, we receive the journal *Pennsylvania Archaeologist*, which is one of the oldest state journals in this country, and still the best place to find out about the archaeology of our Commonwealth. As announced elsewhere in this issue, at the 2015 meeting Bill Tippins will be stepping down as editor of this journal and Bernard Means will be assuming the editorship. Bill has been an outstanding editor for us, and I hope you will join me in thanking Bill for his service when you see him or have reason to correspond with him. Although we are beginning a time of transition for our journal, you can rest assured that it will be in capable hands with Bernard, who has been on the Editorial Board. We can be sure as well that Bernard will bring fresh ideas and approaches to the journal. Once again, I hope you will support him as he transitions into this important role. Please don't forget to submit articles to the journal. Both professional and avocational articles are welcome and important to keeping our journal strong.

Second, membership in the SPA provides us with opportunities to explore and to share our love of archaeology. Included here are the activities of our chapters, but there are also Archaeology Month events happening in October as indicated later in this issue and listed on our website www.pennsylvaniaarchaeology.com. The SPA also will be supporting International Archaeology Day on October 18, once again. You can find events and activities associated with this celebration at www.archaeologyday.org.

This year we are planning as well to make more of an effort at January's Pennsylvania Farm Show that will be held in Harrisburg January 10-17. Each Chapter is being asked to help for one day with an SPA membership table which will be manned in conjunction with the PHMC's exhibit at the Farm Show. People are needed to man our table and also to help PHMC staff with the exhibit. Last year 40,000 people visited the exhibit so this is a great chance to put a face (yours) on Pennsylvania archaeology and add new members to the SPA and to local chapters. More information can be found at http://www.pennsylvaniaarchaeology.com/2015_farm_show.htm or you can contact Ken Burkett, SPA Treasurer at (814) 356-5563.

Finally, last Spring SPA was a partner for the Gas and Preservation Partnership Summit (GAPP) held in Pittsburgh. Several of us attended formally on behalf of the SPA and other members were there as well. This nonprofit organization has as its mission the goal of working collaboratively and pragmatically to working with both the energy industry and the preservation community nationwide to preserve cultural resources and encourage efficient development of energy resources. As you know the development of Marcellus shale gas is booming in Pennsylvania. It is important that we do not destroy the archaeological sites that make up a significant part of our heritage in the process. Participating in GAPP (<http://gasandpreservation.org/about/>) gives us a voice for the archaeological past. Please consider subscribing to the GAPP mailing list at <http://gasandpreservation.org/subscribe-to-our-mailing-list/>, or joining a GAPP working group at <http://gasandpreservation.org/working-groups/>. At the local level some of the new members of our communities who are here because of the industry may prove to be allies for the responsible preservation of Pennsylvania's cultural resources. I hope you will make sure they are aware of your chapter and its activities to promote archaeology locally. You can read the full report on the GAPP Summit from those of us who officially attended in the Board of Director's minutes posted on our website.

In summary, there is a lot going on for SPA members. I hope you will participate and encourage others to join us in promoting Pennsylvania archaeology whenever and wherever you can. Sarah Neusius, President

Highlights from the 85th Annual Meeting

Elections: President Elect, Dr. John Nass and Elmer Erb Trustees: Dr. Kurt Carr, Chair and Jennifer Rankin.

A moment of silence was observed for Deceased Members 2013-2014:

Tom Fridy, Conejohela, Chapter # 28
Edythe Gozdiskowski, President, Frances Dorrance Chapter #11
Frank Kalkbrenner, Frances Dorrance Chapter #11
Virginia Lopresti, Forks of the Delaware Chapter #14
Jim Oszeyczik, Forks of the Delaware Chapter #14

Elmer Erb Permanent Fund—The trustees wish to help the Society with more than C-14 funding and covering our 60 Life Member's expenses. Discussion included scholarships, grants, publication and outreach, further options will be explored. A **motion** was made to direct Kurt Carr to develop ideas and procedures to fund student research at undergraduate, graduate, field school and avocational levels, up to one half of the Fund profits after payment of C-14 matching grants and life membership obligations.

Pennsylvania Archaeologist Editor's Status Report/Publications/Newsletter by email

Members are encouraged to submit manuscripts for publication, as a shortfall would delay publication. We welcome submissions on a variety of topics. Please see the Submission Guidelines on the website or on the inside back cover of any issue for more information.

Farm Show 2015 show theme will be "Climate Change, Past and Future". This will also be the theme for the November Workshops in Archaeology at the State Museum. Planning for a new or recycled exhibit is not finalized. The major push for the SPA would be to have an SPA table within the exhibit, manned full time, 9 a.m. to 9 p.m. for the entire week by SPA members from all chapters to promote the SPA and archaeology in Pennsylvania. A **motion** to that effect was entered by Ken Burkett, seconded by Tom Glover. The 2016 Farm Show will be the 100th Anniversary with the theme: The Evolution of Farming in Pennsylvania.

Reminder to membership: the complete minutes of all board of directors and Annual Meetings are available on our website at www.PennsylvaniaArchaeology.com.

The Cowin Award

The SPA lost a huge piece of our family with the passing last year of first, Verna and then Paul Cowin. Paul and Verna were dedicated to the SPA, serving in many capacities through the years. Verna served as President, interim Editor, and finally long time director. Through her body of work as an archaeologist, numerous publications, professional organizations and the Society, Verna touch most of us both professionally and personally. And we all were very much aware of Paul right by her side and making his own contributions to keep SPA solvent and legal as Treasurer.

The SPA Board of Directors, with the help of Ed Dlutowski and his committee, have come up with an award to honor Verna and Paul and to carry on, in a small way, their promotion of archaeology and the Society. This award is meant to aid avocational archaeologists by providing for costs incurred.

To that end, anyone who would like to donate to the Cowin Award Fund in honor of Paul and Verna, should send donations to: **Treasurer, SPA and mailed to P.O. 213, Box New Bethlehem, PA. 16242**

Please designate the Cowin Award Fund on your donation check.

A copy of the Cowin Award information is available on the SPA website at www.PennsylvaniaArchaeology.com

New Chapter Petition—President Sarah Neuisus presented the charter to David Ray, President of new SPA chapter Hawk Mountain #31

Welcome Hawk Mountain



Charter presented by President, Sarah Neuisus, Dave Ray, Hawk Mt. President, Jim Wosochlo, and Noel Strattan, VP, Hawk Mt. Chapter #31

Publications Fund Award—Publication funds of \$10,000 were previous approved for Kurt Carr to help funding *The Archaeology of Native Americans in Pennsylvania*

Membership Initiative—John Nass will be working on membership recruitment, retention and outreach with the help of the Treasurer, Ken Burkett. John will also be looking for ways to attract students and younger people to the Society. Anyone with ideas for promoting membership or those who would like to help, should contact John at nass@calu.edu .

Poster Session Guidelines—The SPA sporadically hosts poster sessions at Annual Meeting. Up until this time, there have been no formal guidelines for sessions, judging and prizes. The Education Committee has been directed to develop guidelines for future meetings and report back on progress at the Fall Board of Directors Meeting. Anyone who has experience with poster sessions and would like to help, contact Catherine Spohn at cspohn@pa.gov

Awards: No Jacob L. Grimm C-14 Award given

No Shrader/George Youth Award given

No Hatch Award given

Kinsey Award from the State Museum was presented to **Justin D. McKeel** from the University of Wyoming.

Frances Dorrance Award went to **Allegheny Chapter #1** for the most number of sites recorded in calendar year 2013.

John Witthoft Award went to the **John Shrader Chapter # 21** for the most new Society members.



Beverly Chiarulli awarded the J. Alden Mason

Dr. Chiarulli is a life member of the SPA, and has actively supported the Society. She has volunteered her time for the coordination and completion of the SPA's Archaeology Month mailing and the student essay contest. She has supported the SPA's efforts to use ground penetrating radar for finding portions of the Forbes Road. What may be her most notable contribution to the SPA is her efforts to encourage her Indian University of Pennsylvania archaeology students to attend SPA meetings and participate in SPA programs. Her former students report that she has shown genuine concern and support toward their future success in the field of archaeology.

Dr. Chiarulli earned her bachelor's degree in Anthropology at

the University of Illinois, Champaign-

Urbana, her Master's degree in Anthropology at Southern Methodist University, and completed her PhD. dissertation on the "Lithic Artifacts from Cerros, Belize: Production, Consumption and Trade" at Southern Methodist University. Dr. Chiarulli is presently retired as an Associate Professor in the Department of Anthropology at Indiana University of Pennsylvania, where she was the Director of IUP Archaeological Services.

Ray Stewart awarded the 2014 Archey Award

Ray was a charter member of Meadville's Cussewago

Chapter #13 and is a life-time member of the Society for Pennsylvania Archaeology. He worked on the Wilson Chutes site during the early 1960's. Between 1966 and 1970, he excavated at the McFate site (36CW01) locating and expanding on the work completed by the WPA in 1936-37. Stephen Warfel and Janet Johnson accepted the 6,195 piece artifact collection from this site for the State Museum's collections. From 1973 to 1980, he worked with Carl Burkett at the Sid Hill Mastodon Site at Conneaut Lake. Bones from the dig may be seen in the Mastodon display at the Conneaut lake Historical Society. Ray has also worked on the Lake City Housing Development site in Erie County, the AD Wood site (36VE176) with Venango Chapter #30.

For nearly 70 years, ray has helped to shape our knowledge of Western Pennsylvania's past through his unselfish gift of numerous artifacts, thousands of hours of excavation time and keen archaeological interest.



New Editor for the *Pennsylvania Archaeologist* journal

Dr. Bernard Means has accepted the position of Editor for the *Pennsylvania Archaeologist*, and on the advice of the Editorial Board, President Sarah Neusius has appointed him to this position effective after the publication of the Spring, 2015 issue when Bill Tippins' resignation will take effect. In the meantime Bernard will be working with Bill Tippins to make a smooth transition in the editorship. Please watch for notices in the Newsletter and in the journal itself with further details and instructions for authors. Although we remain sorry to see Bill leave this role in which he has been so effective, we are confident that the journal will be remaining in capable hands and that Bernard's leadership will be invaluable as we move forward. Please support both Bill and Bernard in this transition.

October is Archaeology Month in Pennsylvania

Chapter Events are listed below. Events are also scheduled at the Capitol and in conjunction with International Archaeology Day. See <http://www.archaeological.org/archaeologyday> for more information. Posters will be sent to chapters for distribution. If you need additional copies of the poster, please contact Amanda Valko at 724-654-2744 or Avalko@mbakerintl.com

Archaeology Month Calendar of Events 2014

Harrisburg Area

Excavations at Fort Hunter Mansion & Park **September 8th thru October 10th**. Staff of the Pennsylvania Historical & Museum Commission, Section of Archaeology will be conducting an investigation to locate evidence of a French & Indian War fort located north of Harrisburg.

October 1st- Janet Johnson is guest speaker at Chapter 21 monthly meeting at Joanna Furnace.

October 29th is the date set for Archaeology day at the Capitol but with this being an election year there is some interest in moving that date to earlier in the month.

November 8th are the **Workshops in Archaeology - Environmental Change and the Archaeological Record: Implications for the 21st century** Contact Kurt Carr at kcarr@pa.gov or Janet Johnson at janjohnson@pa.gov for more information.

IUP

IUP Archaeology is planning to have an Open House on **October 18** from 1-3 on the ground floor of McElhaney Hall at IUP in honor of Pennsylvania Archaeology Month and the AIA's International Archaeology day. There will be displays related to IUP archaeological projects, student Masters projects, maybe some video. All are welcome. For more information contact Sarah Neusius at sawn@iup.edu or phone 724 357-2133

Allegheny Chapter #1

Dr. John Nass, California University of Pennsylvania, will present the program *Recent Excavations at the Pitt Gas Early Woodland Mound in Greene County and the Father Angle Earthworks Site in Washington County* at the **October 7th** meeting of the chapter. The chapter meeting is being held at the Michael Baker International office, 100 Airside Drive, Moon Township, PA. Parking is free. The meeting will be held in the first floor presentation room. Contact Amanda Valko at 724-654-2744 or Avalko@mbakerintl.com for more information.

Forks of the Delaware Chapter 14

Chapter 14 meets every first Thursday of every month at the Palmer Library Building, Easton, PA at 7pm. October meeting will be Lenard Ziegler and friends at his location near the Plenge Site. Chapter 14 will visit with Lenard and friends to view locally found collections in central New Jersey and eastern Pennsylvania before Lenard donates finds from the Plenge site to the Smithsonian Museum in Washington, D.C. Chapter members also will volunteer time to help Jenifer Rankin from Temple University with collecting data at the Snyder Site. Chapter 14 has a webpage for updated information and meeting events at www.spachapter14.com

John Shrader Chapter #21

Members of SPA John Shrader Chapter 21 will be excavating the Wheelwright Shop and sharing information on archaeology and SPA with the public at the Apple Festival at Joanna Furnace, Berks County, PA on Saturday and Sunday, **October 11 and 12, 2014**.

On Saturday, **September 27**, the Historic Preservation Trust of Berks County will have an open house for the Mouns Jones House, the Fulp House or Bridge Keeper's House, and the White Horse Tavern in Douglassville, Berks County, from 10 AM to 4 PM. There will be wine tasting and other activities which include an archaeological excavation at the Mouns Jones House by members of SPA John Shrader Chapter 21 in the morning. The event is called "Fall into Berks History."

On Sunday, **October 12**, Chapter 21 member Gene Delaplaine is scheduled to speak at Hopewell Furnace, Elverson, PA at 2 P. M. on Oct. 14, 2014. He will be speaking on the early Swedish colonization of America with an emphasis on the on-going archaeology excavations at the Swedish-American Mouns Jones house in Douglassville, the oldest building in Berks County. Excavations will continue at the Jones house on Wed. and Sat. mornings during the month of Oct. For more information contact Gene Delaplaine at (610) 873-2128.

Contact Cathy Spohn at My phone numbers are (610) 205-6711 for work, (610) 678-1274 for home, and my email address is cspohn@pa.gov for more information.

Ohio Valley Chapter #22

Ohio Valley, Chapter 22, will have a booth at the annual Mars Applefest on **October 4, 2014**. We will present educational information about the science of Archaeology using displays and other media, as well as information about the SPA and memberships. For more information about the booth, please contact Pam Billman, President, Chapter 22 at pambillman@zoominternet.net or 724-625-3461.

Westmoreland Archaeological Society Chapter 23

On SATURDAY, **OCTOBER 4, 2014**, there will be a display of historic and pre-historic artifacts, as well as a fossil display at Harrold's Hall, in the Baltzer Meyer Historical Society facilities. The location is on Baltzer Meyer Pike, about three miles southwest of Greensburg, left, off Route 136 at the traffic light. The display will take place from 11:00 a.m. until 2:00 p.m. Admission is free.

Hawk Mountain Chapter 31

Chapter 31 meets at the Hamburg Municipal Building/Police Station on North 4th Street in Hamburg, PA., at 7pm on the first Monday of every month. Members of Chapter 31 are involved in excavations to locate Fort Franklin, at French Indian War Fort located near RT. 309 and 895. Chapter 31 members also are involved with helping collecting data and excavations on the Wosochlo Farm Site. Chapter 31 also has a new webpage for contact and meeting information - www.spachapter31.com

News from the Section of Archaeology, The State Museum of Pennsylvania: Archaeology Public Outreach Events Fall/Winter 2014

Fort Hunter Archaeology

The Section of Archaeology at the State Museum will be conducting their excavation at Fort Hunter between September 8 and October 10. The public is welcome to visit and archaeologists will be on site, weekdays between 9:00 am and 4:00 pm.

This year's archaeological investigations will be conducted in both the back yard around the icehouse and in the front yard where we have been investigating a road or ditch feature. Our interest in the back yard was prompted by the discovery of a small number of French and Indian War (F&I) period artifacts at the end of the 2012 season. A few more were recovered in 2013 but these were overshadowed by the recovery of two dog burials. In addition, a hole in the rear of the icehouse wall was discovered measuring approximately two feet in diameter. It produced artifacts from the late 19th century but its function will require additional investigation.

The work in the front yard will focus on the road/ditch feature that was discovered during our testing program in 2013. A large section measuring 20 by 45 feet was exposed but, unfortunately, very few artifacts were recovered and the date of the road/ditch remains a mystery. Our excavation units this year will be placed closer to Fishing Creek where there seems to be less modern disturbance. Hopefully, we will be able to more specifically define the function of this feature (is it a road? a fortification ditch? or both?) and recover artifacts that will aid in determining its age.

Archaeology Day at the Capitol-Date not yet set

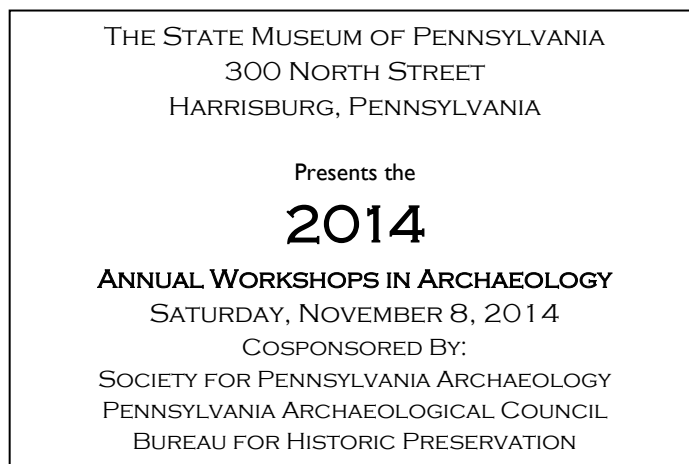
This annual event is sponsored by the Pennsylvania Archaeological Council (PAC), the Society for Pennsylvania Archaeology, Inc. (SPA), the Pennsylvania Department of Transportation and the Pennsylvania Historical and Museum Commission (PHMC). These organizations provided a variety of exhibits on Pennsylvania archaeology. The theme "Save the Past for the Future" strives to raise public awareness of the significance of archaeological resources in the Commonwealth, encouraging citizens to advocate for their preservation so that they may be appreciated and enjoyed by future generations. As part of Archaeology Month in Pennsylvania the Pennsylvania Archaeological Council (PAC) recognizes a public official who has contributed to the preservation of archaeology. Last year's recipient was Carl Dickson, Director of Dauphin County Parks and Recreation for his support of the archaeological investigations at Fort Hunter Mansion and Park.

Student Reminder—The W. Fred Kinsey Meeting Scholarship provides student membership to The Society for Pennsylvania Archaeology (SPA) for one year, a \$100.00 award, and banquet costs for the annual SPA meeting. 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 scheduled for April 10-12 in Whitehall, Pennsylvania. **Now is the time to start thinking about submitting your paper for the 2015 W. Fred Kinsey Scholarship! Deadline for submission to the program chair is March 1st, 2015.**

2015 Pennsylvania Farm Show
January 10 to January 17, 2015

The theme for 2015 with an emphasis on research presented at the Workshops in Archaeology program in November which is focused on *Climate Change and the Archaeological Record*. This event is held in cooperation with the Society for Pennsylvania Archaeology, Inc. and the Pennsylvania Archaeological Council. With over 500,000 people visiting the Farm Show, this is our largest public outreach event during the year. It provides a great opportunity to interact with people while promoting the society for Pennsylvania, Inc. and the preservation of archaeological resources. We need your help in staffing the booth during this event. Please contact Kurt Carr at 717-783-9926 or kcarr@pa.gov if you are interested in volunteering.

Please make plans now to volunteer!!



***Climate Change and the Archaeological Record:
Implications for the 21st Century***

The Archaeology Section of the State Museum of Pennsylvania invites you to attend the annual Workshops in Archaeology on Saturday, November 8, 2014. This program is designed to provide the general public with an overview of archaeological discoveries across the Commonwealth. This year's theme is climate change and its effects on cultural adaptations in Pennsylvania. Archaeology is the study of past cultural behavior and one of its goals is to use the patterns of cultural change in the past to predict or at least prepare, for cultural change in the future. Archaeologists have a long history of studying environmental change and they offer a unique opportunity to examine the interaction between culture and the environment over thousands of years. The program will begin with an overview of the major climatic episodes of the past 20,000 years followed by six presentations on how Native American cultures reacted to these changes. The final presentation will focus on how climate and culture may interact in the future. As you will hear, climate change has not always been harmful and in some cases, it has been quite beneficial to the human adaptation.

In addition to the presentations, attendees can share their archaeological discoveries with staff from the Bureau for Historic Preservation who will provide assistance with artifact identification and recording archaeological sites, an essential task for protecting and preserving our archaeological heritage. An additional offering includes a demonstration by a master flint knapper who will make stone tools using Native American techniques. A reception at the close of the sessions will provide an opportunity for the attendees to meet with the presenters and the staff in the Anthropology and Archaeology Gallery of the State Museum.

Session Descriptions

9:00a.m.-9:10 a.m. Opening Remarks – David Dunn, Director, The State Museum of Pennsylvania

9:10a.m.-9:50 a.m. [Session1] Environmental Overview: Paleoenvironments of Pennsylvania from the Late Glacial Advance to the Present. Frank Vento, Professor Emeritus, Department of Geology, Clarion University of Pennsylvania

Paleoclimatologists study changes in the climate using pollen, plant and animal remains and changes in river dynamics to reconstruct past environments. This presentation summarizes the major climatic episodes of the past 20,000 years and establishes a framework and context for the next six presentations on the reaction by humans to these changes. Although, the major climatic episodes have been identified across the continent, they were not expressed in the same manner and some were more severe than others. Some long-term climate changes are cyclical but

some are less predictable and cultures must be able to adapt to both in order to survive.

9:50a.m.-10:30 a.m.

[Session 2] *The Solutrean Connection*

Dennis Stanford, Director of the Paleoindian/Paleoecology Program, Smithsonian Institute

More than a decade ago Dennis Stanford and Bruce Bradley proposed that North America was first settled by Europeans, not Asians. They proposed an Atlantic crossing by watercraft at a much earlier time than the land migration across the Bering Strait. A major question in response to this proposal is what would motivate people in Europe to get into boats and sail across the Atlantic under severe arctic like weather conditions to settle in a new and unfamiliar land? This presentation will describe the new evidence for this migration and the environmental conditions that led to it.

10:45a.m.-11:25a.m.

[Session 3] Pre-Clovis Adaptations in the Americas, J. M. Adovasio, Mercyhurst Archaeological Institute, Mercyhurst University

Meadowcroft Rockshelter was initially excavated over 35 years ago and represented at the time the best evidence for Pre-Clovis occupation in the New World. For decades, however, it stood as the solitary example and, therefore, was highly controversial. Since then, the number of excavated Pre-Clovis sites has grown and the majority of the archaeological community now accepts the concept of people arriving in the New World thousands of years prior to the development of fluting and the Clovis tradition. This presentation will focus on the variety of Pre-Clovis adaptations that have been found to date in the New World and will offer several alternative ages for the earliest colonization pulse.

Lunch on your own- See box lunch option on Registration Form

1:00p.m.-1:40p.m. [Session 4] *Paleoindians and the Younger Dryas Climatic Episode*, Jonathan C. Lothrop, New York State Museum

Shortly before 11,000 years ago, Paleoindian populations with fluted point technologies colonized the Eastern Great Lakes and Mid-Atlantic regions, and then settled the New England-Maritimes. Around 10,900 years ago, the warming trend of the terminal Pleistocene was interrupted by colder conditions of the Younger Dryas, a climatic reversal that lasted until the onset of the warm, dry climate of the early Holocene, about 10,100 years ago. We first examine how these climatic changes affected vegetation communities and animal populations in the glaciated Northeast and the Mid-Atlantic. Against this backdrop, we then review regional archaeological records for shifts through time in Paleoindian life ways, considering how these cultural changes may have been linked to climate change.

1:40p.m.-2:20p.m. [Session 5] *The Archaic Period: The Transition to the Holocene, Population Growth and Cultural Diversity*. Chris Bergman, URS Corporation

About 10,000 years ago, Ice Age glaciers began to recede and a long period of climatic amelioration known as the Holocene epoch began. Accompanying the warming trend were significant changes in the types and distribution of plant and animal communities. These shifting environmental conditions were mirrored in the cultural adaptations of Native American populations. This presentation will consider the cultures that occupied Pennsylvania's prehistoric landscape of the early Holocene, manifested during the period that archeologists refer to as the Archaic.

2:20 p.m.-3:00p.m. [Session 6] *Transitional Period: the Mid-Holocene Warm and Dry Episode*. Heather Wholly, Associate Professor of Anthropology, West Chester University

Since the end of the Ice Age, the environment was warm and wet, however, beginning around 4500 years ago, the climate became warmer and drier. This change impacted the abundance and distribution of food resources, influencing the rate of human population growth and patterns of community settlement. A population-resources threshold may have been reached in eastern Pennsylvania that precipitated significant technological innovations and social changes. This presentation will describe these innovations and changes and evaluate the role of climate change in resources availability, technological developments and population density.

3:20p.m.-4:00 p.m. [Session 7] *Warming, Cooling, and Agricultural Evolution*. John P. Hart, New York State Museum.

The classic expression of Native American agriculture in temperate northeastern North America is the three sisters-- maize, common bean, and squash. Each of these crops entered into the region separately beginning over 5,000 years ago and ending as recently as 700 years ago. As a result of interactions with human populations and sub-regional environments, each crop had its own unique evolutionary history. The crop varieties and agricultural management systems that evolved over the centuries across the Northeast were well adapted to the short northern growing seasons and changes to regional climatic patterns such as the Little Ice Age.

4:00p.m.-4:40 p.m. [Session 8] *Dire Predictions: Understanding Global Warming*. Michael Mann, Distinguished Professor and Director, Earth System Science Center (ESSC)

This lecture will begin with a review of the now proven evidence for a human influence on the climate of recent decades. Such evidence includes instrumental measurements available for the past two centuries, paleoclimate observations spanning more than a millennium, and comparisons of the predictions from computer models with observed patterns of climate change. The lecture will then address future likely impacts of human-induced climate change including possible influences on sea level rise, severe weather, and water supply. The lecture will conclude with a discussion of possible solutions to the climate change problem.

5:00-6:00 p.m.- Reception in the Hall of Anthropology & Archaeology
Additional Programming

Flint Knapping Demonstration, Steve Nissly (Auditorium foyer) This presentation will feature an expert flint knapper who will demonstrate how stone tools were made by Native Americans in Pennsylvania during prehistoric times.

Artifact Identification by Doug McLearn, Chief, Archaeology & Protection and Kira Heinrich, Bureau for Historic Preservation, These individuals have over 50 years of experience with archaeological artifacts. Bring in your historic or prehistoric artifacts for identification and analysis by the experts.

Site Recording in Cultural Resources Geographic Information System, Noel Strattan and Tom Held, Bureau for Historic Preservation, 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.

WORKSHOP REGISTRATION FORM

REGISTRANT NAME(S)

AFFILIATION, IF ANY)

I. _____

Address: _____
(Street) (City) (State) (Zip Code)

Phone: _____ Email: _____
(Home) (Work)

Mail completed registration form and your **check made payable to: Pennsylvania Archaeological Council (PAC)**

and mail to: **Workshops in Archaeology**
The State Museum of Pennsylvania
300 North Street
Harrisburg, PA 17120-0024

Boxed Lunch Option; must pre-order and pay in advance. _____ \$ 8.00 per lunch each option comes with fruit cup, cookie, chips & beverage

Option #1: Wrapper-whole wheat –American Cheese- turkey & parmesan garlic spread

ham & honey mustard spread

Option #2: Kaiser roll-American Cheese- turkey

ham

roast beef

Total Amount Enclosed: \$ _____

Registration Fee:

\$25.00 Early Registration(Oct. 31st)

\$15.00 Student

\$15.00 Heritage Society,SPA, and PAC

Members

\$35.00 at door- **No Discount**

Recently Donated Collections

The State Museum has long encouraged members of the Society to donate their collections and we have been very fortunate to receive some very important collections over the past few years including artifacts from **David Werner, Fred Assmus, Bill DeGraw, Ray Stewart** and **Doris Freyermuth**. These donors and their families have provided valuable site information and artifacts from many areas in Pennsylvania that were poorly represented in collections at the museum. Our recent acceptance of collections from western Pennsylvania provides a significant resource for research and exhibition.

On Monday, June 23rd, The Section of Archaeology of The State Museum of Pennsylvania received an important archaeological collection donated by Mr. **Robert (Bob) Oshnock** and his brother **Jim**. Their collection represents over 40 years of archaeological investigations in Westmoreland and Bedford counties. Significantly the collection includes artifacts from nearly 200 archaeological sites, all of which have been recorded by Bob in the Pennsylvania Archaeological Site Survey (PASS) files. As an active member of the Westmoreland Chapter (23) of the Society for Pennsylvania Archaeology (SPA), for the past 12 years, Bob has contributed endless hours to the investigation of the Consol site (36Wm100) that included the processing of thousands of artifacts. For his significant contributions toward the advancement of archaeology by a non-professional, Bob was presented with the Archey Award in 1987 by the SPA.

The superior quality of the collection stems from the brothers' efforts to document the locational information of their collection. They have decided to donate their collection to The State Museum for the benefit of current and future research. Representing evidence of native peoples in western Pennsylvania over a period of time spanning more than 12,000 years, The State Museum of Pennsylvania is proud to accept the Oshnock's donation of an important archaeological collection. Donation of archaeological collections to the museum is encouraged to insure its preservation and research potential for the future.

Bob Oshnock was also instrumental in facilitating the donation of **Jacob Grimm**'s collection which includes sites in Westmoreland, Bedford and Somerset counties. Jacob's widow **Beverly** generously donated his collection which includes detailed records of site numbers, names and locations, as well as excavation records for a few sites. This well documented collection further adds to our knowledge of the prehistory of the region and provides another example of a well-documented collection with recorded sites.

Planned renovations to the Hall of Anthropology and Archaeology will not only showcase donated collections, but will utilize these collections in exhibits dealing with the culture history of the Ohio River Valley.

If you would like additional information on donating your collection, please contact Janet Johnson at janjohnson@pa.gov.

Get all updated SPA News at our website: www.PennsylvaniaArchaeology.com and on Facebook.

2015 Farm Show—An opportunity for SPA



Annually the PHMC Section of Archaeology presents an Archaeology Exhibit at the Pennsylvania Farm Show in January. The staff and volunteers spend a busy week at the exhibit answering questions about Pennsylvania Archaeology. In 2014 over 40, 000 people visited the exhibit where over 15,000 archaeology brochures, posters, tattoos, free planetarium passes and magazines were distributed proving that there is an uncaptured public interest in Pennsylvania Archaeology.

During the January 10 to 17th 2015 Farm Show, the SPA is planning to have a membership table in conjunction PHMC Archaeology Exhibit to distribute information about our organization and help inform people about their local archaeology chapters. This is a fantastic opportunity to interact with a lot of people state wide and hopefully add new members to both the SPA and individual chapters.

We are asking each chapter to prepare now to be to provide quantities of some type of printed information (rack card, brochure, or leaflet) about your organization that can be distributed to people from your area who are interested in archaeology and would like to join your group. .

SPA Volunteers will be needed daily to help man the table and also assist with the PHMC exhibit. Typically 1 or 2 people for the SPA table and an additional person or 2 to help with the Exhibit Area. If your chapter would like to help for a full day or there are interested members who would like to volunteer. Please contact Ken Burkett at kenburkett@comcast.net or (814) 356-5563 for more information or to be added to the schedule. Captain - 2014 State Farm Show exhibit **Kenneth Burkett**



Member and Chapter News:

Venango Archaeology, SPA #30 completed its second year of excavation at the AD Wood site (36-Ve-176) on August 29, 2014. To date, 160 square meters (more than 1530 square feet) of plow zone have been shoveled out to reveal 31 features and hundreds of post molds. Features include cylinder storage/refuse pits, hearths/earth ovens, post-enclosed turtle pits and a probable sweat lodge.

Onondaga and Gull River chert triangular points, shell-tempered everted-rim pottery, charred maize and butternut shells, utilized-flake technology, and probable single-use circular structures indicate a Late Woodland seasonal occupation. Overlapping features and post mold patterns, and the site's location on the Sugar Creek flood plain suggests repeated single-use for resource extraction and abandoned in the winter/early spring months.

A 2 Sigma radiocarbon age of AD 1220-1270 and Chautauqua-type rim sherds supports a French Creek phase habitation. Additional carbon dates are expected to clarify this range. Chapter #30 is planning to return to the site for the summer-2015 season. At the conclusion of the dig, some artifacts will be placed on permanent display within the Cooperstown Public Library.

AMS Radiocarbon Dating of the Marshalls Creek Mastodon

Matthew T. Boulanger

Department of Anthropology, University of Missouri

The Marshalls Creek Mastodon (*Mammuth americanum*) was excavated from the base of a peat bog near the former Mountain Lake House Resort, Marshalls Creek, Monroe Co., PA, in July of 1968. Volunteers and staff of the State Museum of Pennsylvania (SMP) excavated the skeleton, and found it to be excellently preserved and nearly complete. Most of the intact and complete bones were coated in gum arabic and tissue paper, encased in plaster, and taken to the SMP. At the museum, individual bones were painted in polyvinylacetate lacquer, arranged in anatomical position, and mounted on steel rods (Hoff 1969: 5). Bone fragments not used for reconstructing the skeleton do not appear to have been treated with any stabilizing chemicals, and have been stored at the State Museum of Pennsylvania since 1968.

The Marshalls Creek Mastodon is regarded as the most complete mastodon skeleton yet recovered in the state of Pennsylvania, and it has been on display at the SMP since its discovery. Buckley and Willis (1970) report two dates on wood reportedly associated with the mastodon skeleton: I-3929 (12,160 ± 180 ¹⁴C YBP) and I-3930 (12,020 ± 180 ¹⁴C YBP). However, given the depositional environment of a pond/bog during the terminal Pleistocene, and the possibility of bioturbation over the intervening 10,000+ years, the association of wood with the skeleton is tenuous at best.

A large cortical-bone fragment from the skeleton was selected for analysis by AMS. This fragment shows no indications of having been treated with preservatives, and it cannot be assigned to a specific skeletal element. The fragment was submitted to the University of Georgia's Center for Applied Isotope Studies for AMS dating and assigned sample no. UGAMS-18087. The assay, performed on purified collagen from the bone, returned a date of 11,410 ± 30 ¹⁴C YBP ($\delta^{13}\text{C} = -21.3$).

Figure 1 shows the calibrated radiocarbon dates for the Marshalls Creek mastodon and those for all other dated Proboscideans (elephants) from Pennsylvania. Table 1 lists these calibrated dates. Though the previously dated wood fragments suggested that the Marshalls Creek mastodon was significantly younger than previously dated mastodons in the state, this new AMS date confirms this observation. The new AMS date also substantially increases the precision and accuracy of the age estimate for this mastodon. It should be noted that all other dates on Pennsylvania mastodon and mammoths were performed more than 20 years ago—well before highly precise and accurate AMS dating was possible. Given the refinement in chronologies possible using today's dating technologies, a concerted effort to obtain new dates on these old bones would increase our knowledge about the timing (and ultimate causes) of Pleistocene large mammals in northeastern North America.

AMS dating of the Marshalls Creek mastodon was funded in part through the Jacob L. Grimm C-14 Award managed by the Society for Pennsylvania Archaeology. The society and Dr. Bernard K. Means are graciously thanked for their support and assistance.

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Museums 2015 Special Achievement Awards

Call for Nominations Each year, PA Museums recognizes the special achievements of museums and historical organizations in Pennsylvania. This is your invitation to submit a nomination!

A PA Museums Special Achievement Award distinguishes your organization by:

- Serving as public recognition of staff or volunteers and providing an incentive to continue developing new and exciting projects.
- Encouraging your staff to establish and maintain standards of excellence in your institution.
- Providing a vehicle to promote your institution through media news releases and membership and fundraising campaigns.
- Reinforcing your case for the quality of your programs in grant or sponsorship proposals.
- Publicly honoring awardees before peers and invited guests at a special awards ceremony.

The deadline for nominations is January 3, 2015. Please email: chrisoula@pamuseums.org for more information and nomination guidelines

In Memoriam

Thomas F. Vallana

Thomas F. Vallana, 71, of Derry, died Friday, Aug. 15, 2014. Tom was a graduate of St. Vincent College. He was an avid photographer, having had some of his photos used by a greeting card company. His favorite subjects were covered bridges and nature subjects. He was a past member of the Historical Society of New Derry and a past member of the Westmoreland County Archeological Society. He currently volunteered at the New Alexandria Library doing genealogy work as well as volunteering at the Ligonier Library. Tom was a longtime member of SPA. He always supported causes he believed in, particularly education and the scholarships. He was the SPA newsletter writer for a few years and supported the SPA in many behind the scenes capacities. He will be missed as a friend and supporter.

James P. Bressler, 99, of Williamsport died on Tuesday, July 8, 2014 in Williamsport. James graduated from Penn State University with both a Bachelor of Science and a Masters degree. James taught at West Sunbury and West Fallowfield High Schools before coming to Williamsport in 1945. In the mid 1950's Jim spearheaded the effort to organize and secure a charter from the Society of Pennsylvania Archaeology for North-Central Chapter #8. For the next 50 years Jim was the heart and soul of the Chapter. He was as an officer, developing and editing the chapter newsletter, contributing to the evening programs, organizing and directing excavations, conducting workshops and field trips, and ALWAYS reaching out as an educator to attract young people to archaeology. He served as a patient and good-natured mentor to generations of budding archaeologists.

Jim liked to joke that he then began his 2nd career in the Archaeology field at the age of 60. In 2011, Jim was awarded the **Society for Pennsylvania Archaeology Lifetime Achievement Award** for 50 years of dedication to Archaeology. In addition to this prestigious award, the James P. Bressler Heritage Trail on Canfield Island at Loyalsock Township's Riverfront Park and the James P. Bressler American Indian Gallery at the Lycoming County Historical Society's Thomas T. Taber Museum were named in his honor. His leadership and vision helped contribute to the Thomas T. Museum becoming a showcase for history and Archaeology in North-Central PA. Jim led excavations at numerous local archeological sites, including Canfield Island in Loyalsock Township. He also had several articles published in the "Pennsylvania Archaeologist", North Central Chapter No. 8 newsletter, local historical society journals, and others. He was past president of the following organizations: Williamsport Education Association, Lycoming County Historical Society and North-Central Chapter No.8, Society for Pennsylvania Archaeology. In addition to these three organizations, he was also a member of the Society of Professional Archeologists, Society for Pennsylvania Archaeology, Alpha Gamma Rho Social Fraternity at Penn State, Penn State Alumni Association, John Laedlein Lodge No. 707, Free and Accepted Masons, The Williamsport Consistory, Pennsylvania Association of School Retirees, Faith Alliance Church, Muncy Historical Society, The Nature Conservancy and Bald Eagle Art League.

MEETINGS:

CALL FOR PAPERS

2015 Pennsylvania Archaeological Council Symposium

To be held in conjunction with The Society for Pennsylvania Archaeology's 86th Annual Meeting, April 10-12, 2015
Ramada Whitehall/Allentown, (www.AllentownRamada.com).

Although you do not need to be a member of PAC to participate, you must be a member of the SPA (2015) to present a paper.

The Industries of Pennsylvania: An Archaeological Perspective

Site-specific paper and regional or industry-specific summaries (that include recent work) are both welcome. To date two topics have been spoken for: the iron industry (G. Coppock); and canals and canal towns (S. Heberling).

If the papers are of sufficient quality they will likely be published as part of PAC's "Recent Research in Pennsylvania Archaeology" series.

Notification of Interest: ASAP
(author name(s), topic, contact information)
Abstract: December 31, 2014.
Gary Coppock: gfcoppock@earthlink.net
Principal Investigator
Tetra Tech, Inc.
Phone/fax: 814-349-2696

CALL FOR PAPERS
86th ANNUAL MEETING
SOCIETY FOR PENNSYLVANIA ARCHAEOLOGY

HOSTED BY FORKS OF THE DELAWARE CHAPTER #14
AND BY HAWK MOUNTAIN CHAPTER #31
RAMADA INN
WHITEHALL/ALLENTOWN, PA
APRIL 10-12, 2012

The SPA welcomes presentations about Pennsylvania archaeology from any member of the society. Students are encouraged and welcome to present. Students presenting papers will have the meeting registration fee waived. We will also be sponsoring a Student Poster Session this year in the bookroom.

Anyone wishing to participate should send abstracts of 150 words or less for papers and posters to the Program Chair by March 23, 2015. Students please send a copy of your student ID with your abstract submission.

All presenters must be current members of the Society for Pennsylvania Archaeology.

Program Chair: Jim Wosochlo
218 Lake Front Drive
Orwigsburg, PA 17961
Phone: 570-366-2562 (H)
Phone: 610-442-5622 (C)
E-mail: jimwosochlo@gmail.com

Society For American Archaeology 80th Annual Meeting,
San Francisco, CA,
April 15-19, 2015
www.saa.org

Eastern States Archaeological Federation Annual Meeting
Hosted by the Archeological Society of Maryland, Inc.
October 30-November 2, 2014
Holiday Inn at Solomons, Maryland
155 Holiday Drive
Solomons, Maryland 20688
(410) 326-6311
holidayinn.com/solomons/slmod

ESAF rate \$119 single/\$124 double per night for rooms reserved prior to September 30, 2014.

SPECIAL EVENTS: ASM Silent Auction in Bookroom, October 31 & November 1, 2014.

Reception

An evening reception will be held Friday night at the Calvert Marine Museum starting at 7 p.m.

Saturday Evening Banquet: Guest Speaker: Dr. Henry Miller, Director of Research, Historic St. Mary's City Commission.

Pre-Meeting Tours: Thursday, October 30, 2014, (Access is via carpooling)

8:45 AM to 11:30 AM tour the **Jefferson Patterson Park and Museum** grounds on the Patuxent River, Maryland Archaeological Conservation Lab (MAC Lab) and Visitor Center exhibits. There is no admission fee to Jeffpat.

Lunch 12 Noon at Solomons or at Lexington Park.

2 pm to 5 pm tour **Historic St. Mary's City, Maryland's First Capital**, visit the reconstructed Jesuit Chapel, the Maryland DOVE, a 17th century-style ship, and the St. John's Site Museum that preserves the foundation of a house that stood there throughout the 17th Century. St. John's was built by John Lewger, the first Secretary of the colony and served as the home of Charles Calvert, the third Lord Proprietor and Proprietary Governor. The exhibits dramatize the events that shaped Maryland, the nation, and colonial lifeways in the Tidewater colonies. There is a reduced admission fee of \$5.00 per person for the ESAF tour group. This fee is payable individually at the Visitor Center at the start of the tour.

- Presenters must be members of ESAF for 2014. (For multiple authors, identify the presenter and list the presenter as the first author).
- Presenters' registration fees and membership dues are due no later than August 15, 2014.
- An individual can be the primary author on only one paper.

CONTACTS:

Book Room and Exhibit Space: Chair: Dan Coates, Email: dancoates@comcast.net

Program co-chairs (for suggested presentations only). Actual submission of title, abstract, contact info, etc is by [Google Docs at this link](#) Kate Birmingham email: Katherine_birmingham@nps.gov and Emily Swain, email: swemsoc11@gmail.com

Middle Atlantic Archaeological Conference (MAAC)
March 12 -15, 2015
Clarion Fontainebleau Hotel, Ocean City, MD
Hotel Reservations: (800) 638-2100 or (410) 524-4907

2015 Conference Call for Papers

Title, abstract, completed forms, and payments must be received by 12/15/2014

www.maacmidatlanticarchaeology.org/conferences.htm

Student Paper/Poster Competition

www.maacmidatlanticarchaeology.org/MAAC2015_Student_Paper.pdf

www.maacmidatlanticarchaeology.org/Student_Poster_Award.pdf

Registration for 2015 Conference for presenters and non-presenters

www.maacmidatlanticarchaeology.org/MAACRegistration2015.htm

MAAC membership. Description of benefits and forms

www.maacmidatlanticarchaeology.org/Membership.htm

SOCIETY FOR PENNSYLVANIA ARCHAEOLOGY, INC.

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2015 Membership Fees

2015 Membership Fees



Active.....	\$25.00
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Life.....	\$450.00
Benefactor.....	\$500.00

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Student.....	\$18.00
Sustaining.....	\$35.00
Life.....	\$450.00
Benefactor.....	\$500.00

An additional \$10.00 must be added to all foreign memberships for postage. Canadian postal money orders will be accepted. Checks must be in US Funds and drawn on a US bank. Make checks payable to Treasurer, SPA and mailed to:

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Membership Benefits: Biannual *Pennsylvania Archaeologist* and announcements of the Annual SPA Meeting. Newsletters and all other informational mailings are made only to those on the mailing list as of the mailing date. Memberships for the current year must be received prior to October 1. Membership dues received after that date will be credited to the next calendar year.

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The Society for Pennsylvania Archaeology, Inc.
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RETURN SERVICE REQUESTED

**Time to renew your SPA
2015 membership look for
your reminder in the mail!**

The Society for Pennsylvania Archaeology, Inc. was organized in 1929 to: Promote the study of the prehistoric and historic archaeological resources of Pennsylvania and neighboring states; Encourage scientific research and discourage exploration which is unscientific or irresponsible in intent or practice; Promote the conservation of archaeological sites, artifacts, and information; Encourage the establishment and maintenance of sources of archaeological information such as museums, societies, and educational programs; Promote the dissemination of archaeological knowledge by means of publications and forums; Foster the exchange of information between the professional and the avocational archaeologists

To subscribe to the SPA Newsletter by email, contact the Secretary at: jmduritsa@comcast.net

The Society for Pennsylvania Archaeology, Inc.

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Send SPA Newsletter information to the Secretary.

Newsletter Deadline: December 15, 2014

October 31 - November 1

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Download a 2014 brochure and Registration form at

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