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## The Ancient Bison Antiquus Silhouette



On May 20<sup>th</sup>, 2019, the Ancient Bison Antiquus Silhouette was erected at the Wenas Mammoth dig site. Since a Bison Antiquus was also discovered with the Columbian Mammoth, it seemed only fitting that a Bison Antiquus Silhouette should join the Mammoth Silhouette, which was erected in 2015.

**Perry Technical Institute's Welding Program** Instructors Leonard Thompson and Clayton Houston guided welding students through the process.

Leonard Thompson, and his daughter Amanda, worked for several months designing the pattern from a rough sketch to the final CAD computer file that could be used with the plasma-cutter. His students fabricated the life-size metal bison.

Clayton Houston's welding students had the job of erecting the metal silhouette at the dig site.

This was a very unique and valuable learning opportunity for students to utilize the skills they have been learning in the welding program and use them in a real hands-on work environment. It also gave students the ability to display their skill in a public setting for years to come, which is not usually the case for welders.

This project was possible due to the generous grant provided from the **Yakima Fresh Hop Group**. The Wenas Mammoth Foundation thanks the Yakima Fresh Hop Group and Perry Tech for their support of the WMF's educational program.



# Thank You

for supporting our educational program in 2019!

## 2019 Grants & Donations

Yakima Fresh Hop Group

Pacific Power Foundation

Legends Casino Hotel

The Plaid Door

Yakima Horseless Carriage Club

We believe in transparency! If you want to know where are funding comes from, and how it is spent, that information is on GuideStar.com



## IT IS A VERY BUSY TIME OF YEAR!

The WMF has been busy visiting events with the Mobile Educational Exhibit. Here are some photos from Arbor Day at the Yakima Arboretum, the Benton Conservation District's Salmon Summit, and Selah Day's.



# 2019 Paleontology and Archaeology Summer Teacher STEM Day-Camp

2019 Paleontology and Archaeology Summer Teacher STEM Day-Camp, held on June 1<sup>st</sup> & 2<sup>nd</sup>, was a real unique and fun learning experience for all. Local teachers learned about the geology of the local Wenas Mammoth Dig Site and the methods that were used to excavate the Columbian Mammoth and Bison Antiquus bones during the CWU summer field schools that were held from 2005 through 2010. Methods included: setting up the grid-lines, using the excavation tools correctly, removing dirt, shifting dirt through the dry and wet screens, placing specimens on the drying table, identifying specimens and bones. The class also discussed careers in archaeology, paleontology, and geology. We also discussed success stories about kids who had visited the CWU summer field schools years ago that are currently attending universities to become archaeologists, or are now in that career field. Teachers also discussed how to bring the activities they experienced, at the dig site, into the classroom through various hands-on activities. Teachers also received a list and examples of resources to utilize in their classroom. The teachers earned 12 STEM clock hours at the camp as well. Plans are already being discussed for 2020. Thank you to ESD105, the WMF's volunteers, and to the teachers and schools that supported, and attended this event.



## 2019 WMF'S PALEONTOLOGY, ARCHAEOLOGY & GEOLOGY SUMMER YOUTH DAY CAMP

The 2019 WMF'S Paleontology, Archaeology & Geology Summer Youth Day Camp was full of local earth science education at the dig site.

On Day 1, student campers learned about the history of the Wenas Creek Mammoth Site. They were given a lesson on local geology, including the formation of the mountains around the site. They were introduced to careers in earth science, including the education and personal requirements needed to get into those fields of study. The importance of accurate documentation using journals and excavation forms was discussed.

Day 2, student campers began the excavation process. First year student campers set up gridlines in a mock dig area, while second year students prepared an area off the road grade. Students practiced the methods of digging a level unit, removing soil, sifting soil through dry and wet screens, utilizing the drying rack, sorting through their findings and looking for specimens. Students had to document their findings in their journals and their excavation form. Excitement filled the area as the mammoth bones (casts) were slowly and carefully discovered.

Day 3, student campers continued the excavation processes. They also learned the process of "casting" bone fossils. Fragile bones are covered with burlap and plaster to keep them intact while transporting them to the lab or repository. Student campers also learned the "Mammoth Stomp" song.

Thank you to our sponsors, volunteers, parents, and students who made this a successful, unique learning experience.



# THANK YOU!



Thank You **Yakama Legends Casino Hotel** for awarding the WMF with a grant towards getting electrical power to the dig site. This grant will help us provide climate control for the classroom and museum area, as well as improve our educational program by allowing the use of technology in the classroom. Every year the casino, owned and operated by the Yakama Nation, distributes a share of its profits to area non-profit charities. These grant awards are vital for area non-profits to continue offering their services. Thank the Yakama Legends Casino Hotel the next time you visit their establishment.



Lori Froehlich, Regional Business Manager at Pacific Power in Yakima, visited the Wenas Mammoth Foundation's dig site to give us the grant award check from **the Pacific Power Foundation**. Thank you so much to the Pacific Power Foundation for supporting our Local Earth Science Education and STEM Program. The Pacific Power Foundation is a subsidiary of the PacifiCorp Foundation, and is one of the largest utility-endowed foundations in the United States. The foundation was created in 1988 by PacifiCorp, an electric utility serving 1.8 million customers in six Western states as Pacific Power (Oregon, Washington, and California) and Rocky Mountain Power (Utah, Wyoming and Idaho). The foundation's mission, through charitable investments, is to support the growth and vitality of communities served by Pacific Power. For more information, visit [www.pacificpower.net/foundation](http://www.pacificpower.net/foundation).



The WMF received a grant from **The Plaid Door**, a consignment and thrift store operated by St. Timothy's Episcopal Church. Each year one-half of their net proceeds are donated to Yakima Valley non-profit organizations. We would like to thank The Plaid Door for supporting the WMF's Paleontology & Archaeology Summer Youth Camp.



The WMF would like to "Thank" the **Yakima Horseless Carriage Club** for their gift donation to help us continue our mission. Their support is greatly appreciated! Thank you so much!

# The Wenas Yarn Mammoth

“What is a Yarn Mammoth?” It is a 3-D mammoth that is covered with wire mesh, that kids of all ages can hang yarn strings onto, and turn it into a Woolly Mammoth! Perry Tech Instructor Leonard Thompson and his daughter Amanda (who will be attending Perry Tech soon), designed the pattern, fabricated and constructed the 39” tall and 52” long three-dimensional mammoth. The WMF is constantly looking for fun and interacting hands-on activities that will engage the curiosity of local earth science in our youth. Additional photos will be posted. Material for this project was funded by the Fresh Hop Group. Thank you Fresh Hop Group for supporting science and art educational opportunities for our youth. Thank you Leonard and Amanda for this amazing yarn mammoth!



The WMF awarding the Yakima Fresh Hop Group with a Certificate-of-Appreciation.

## Central WA State Fair

The WMF’s Mobile Educational Exhibit and Activities will be at the fair in the STEM building, which is in Pioneer Hall this year. We will be bringing the Wenas Yarn Mammoth and the Mammoth Penny Press, as well as other hands-on activities. Come and visit us! We will also be looking for volunteers. If you would like to help out, please let us know. If you commit to 4 hours of volunteering in the STEM Building, we can get you a pass in, and possibly parking too.

## 2019 Schedule of Upcoming Public Events

DATE	EVENT	LOCATION
Sept. 20 <sup>th</sup> – 29 <sup>th</sup>	Central WA State Fair	Yakima Fairgrounds STEM Building (New location – Pioneer Hall)
Oct. 5 <sup>th</sup>	WMF’s Day-at-the-Dig	Wenas Creek Mammoth Dig Site 1760 S. Wenas Road, Selah, WA

**Did you know** that the National Science Foundation research indicates that there is a need to improve science, mathematics and critical thinking skills in K-12 students, to better prepare them for secondary education and life.

**Did you know** that only 46.7% of 8<sup>th</sup> grade students in the ESD105 region demonstrated proficiency on the 2016 WA State Science Exam?

**Did You Know** that we do not receive funding from any State, Federal, local governmental organization, or CWU University. We are funded through grants, WMF educational fees, and donations from businesses and individuals. Your donations can help bring local science and history to our schools and communities!

We are a 501(c)3 nonprofit organization.

**Help us inspire students to be excited about science and desire to learn more.**



**YES! I WOULD LIKE TO SUPPORT THE WENAS MAMMOTH FOUNDATION'S EDUCATIONAL PROGRAM AND BRINGING LOCAL EARTH SCIENCE TO OUR SCHOOLS AND COMMUNITIES**

**ENCLOSED IS MY GIFT OF:**

\$300  \$200  \$100  \$50  \$25  Other \$ \_\_\_\_\_

This gift may be tax deductible

**METHOD OF PAYMENT:**

**Check Payable to the Wenas Mammoth Foundation**  
Mail to: 2741 S. Wenas Road, Selah, WA 98942

PayPal or credit card: Please donate securely at  
<http://www.wenasmammoth.com/donations.html> or  
<https://www.facebook.com/WenasMammoth>



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Please add me to your Newsletter emailing list.

**THANK YOU** so much for your donation! You will make a big difference in a child's local earth science education opportunities.

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