



Headlines from the hills

Our first annual **Fall Flapjack Flip** is in the books. After the rain during our Pig Roast, who knew that we would be sweltering in 90 degree temperatures while serving a pancake breakfast? We had some very happy campers and visitors that enjoyed the flapjacks and Maple Syrup. We look forward to this same event next year.

Now is the time to think of your favorite camper and our **Trading Post** has just what you are looking for. We have Tuscazoar patches, hats, shirts, new Zoarville Station Bridge patches and T-shirts and even unique gifts such as commemorative bricks. You can order through our website at

www.tuscazoar.org

or by calling the camp directly. And don't forget - our maple syrup is still available and makes a great stocking stuffer.



Speeches, ribbon-cutting highlight bridge ceremony

Nearly two hundred visitors attended a dedication ceremony for the newly-restored Zoarville Station Bridge in September. After ten years of work, the bridge is now open to carry hikers, bike riders and horses across the Conotton Creek.

Following remarks by U.S. congressman Ralph Regula, project manager Dave Tschantz and local resident Roxie Long, the ribbon was cut to officially reopen the bridge. Boy Scout Troop 94 of Dover first crossed the bridge, followed by the Tusky Valley High School Marching Band. At the conclusion of the ceremony, visitors eagerly crowded onto the bridge to view the restoration efforts. For more information and photos of the dedication ceremony, visit our website at www.tuscazoar.org/ZSB.htm. And, make certain you plan a hike to the bridge on your next visit to camp.



Richard Bible, Bob Dermer, Aldo Balestra, Charles Lebold, Congressman Ralph Regula and Dave Tschantz (l to r) cut the ribbon to officially re-open the Zoarville Station Bridge.

Thrivent matches Pig Roast funds

More than 500 folks enjoyed a delicious meal at our annual Pig Roast weekend in September. Fortunately, the rainy weather didn't seem to dampen any spirits. Dulcimers 'n Such played on Saturday and had everyone singing along and Norm Saeger's band, which played on Sunday, couldn't be beat. If you weren't there you missed a great time. The Foundation generated a profit of more than \$4,200 which will go a long way to helping us through the winter months.

We also received fantastic news. Thrivent Financial, an insurance company for Lutherans, will provide matching funds for our fundraisers. They started with the Pig Roast and we received \$1,600 as their match. What a bonus for the Foundation! We are extremely grateful and look forward to many more joint efforts. If you are a Thrivent member, please call Nancy Schoenbaum at 330-493-1386 and let her know. We want to let Thrivent know how many Foundation members are also Thrivent members.

Maple Days set for March 29, 30

Camp Tuscazoar will host its fifth annual **Maple Days breakfast** on Saturday March 29 and Sunday March 30. All-you-can-eat pancakes, sausage, applesauce, orange drink and samples of the camp's maple syrup will be served from 8 a.m. to 3 p.m. in the camp's heated dining hall. Tickets are \$6 for adults and \$3 for children (10 & under) and will be available from Foundation members or by calling Nancy Schoenbaum at 330-493-1386. Transportation will be provided to and from the parking lot. Mark your calendars now and invite your friends!

Zoarville Station Bridge Project Completed

For more information and photos, visit www.tuscazoar.org/ZSB.htm

Tracing the history of Tuscazoar's newest landmark

By Dave Tschantz, Project Manager

The Zoarville Station Bridge was built in 1868 as one of three spans crossing the Tuscarawas River and Ohio-Erie Canal in Dover. The bridge was moved to its current site in Zoarville in 1905, was abandoned in the 1940s and was purchased by neighboring farmer Charles Lebold in 1969 for \$50. Listed on the National Register of Historic Places in 1997, the bridge was donated by Mr. Lebold to the Camp Tuscazoar Foundation in July of that year.

The Zoarville Station Bridge is older than the majority of wooden covered bridges still standing in Ohio. While it may not appear as quaint and picturesque as a covered bridge, from a historical point of view it is just as important and actually much rarer.

The bridge was designed by renowned bridge designer Albert Fink and is the last Fink Through-Truss known to exist. Fink was a civil engineer who is considered a pioneer in iron bridge design and who also supervised the construction of the first important iron bridges in the U.S. The style is termed a through truss because traffic travels through the structure rather than on top of it. One other Fink truss of this type existed in New Jersey, but was demolished several decades ago. Fink is important enough as a bridge designer that the Smithsonian Institution displayed a model of a Fink Deck Truss bridge for years.

The Zoarville Station Bridge is also the last bridge known to exist that was built by the Smith, Latrobe & Company (later the Baltimore Bridge Company), a firm headed by Charles Shaler Smith, an early noted bridge builder in the U.S. "Shaler"-as he was called-was credited with introducing the use of Phoenix Columns in railroad trestles. He was considered the greatest American engineer of his day, responsible for an enormous amount of work, including bridges over the Mississippi, Missouri and Saint Lawrence rivers. Shaler was most famous for his daring and innovative solutions to difficult engineering problems.

See "Tuscazoar's newest"...Page 3

Zoarville Station Bridge Project Contributors

This project would not have been possible without the help of these individuals and organizations, listed in no particular order:

The American People	Charles Lebold
Steiner Farms of Orrville	Ohio Historical Society
Plastic Lumber Company	Dover Historical Society
U.S. Army Corps of Engineers	Marsh Foundation
Roxanne Kane, ODOT	Longaberger Initiative
Haman Family Foundation	Rosenberry Foundation
National Register of Historic Places	Steve and Roxie Long
Former State Sen. Greg DiDonato	Ohio-to-Erie Trail Fund
Former Ohio First Lady Hope Taft	Buckeye Trail Association
North Country Trail Association	Ohio-Erie Canal Assoc.
Ohio-Erie Canal Corridor Coalition	Kathy Fernandez
Ohio Historic Bridge Association	Carl Jones
Fred Gray and Brian Criswell	The Sloan Family
Ann, Stephanie, Courtney Tschantz	Dale Tschantz
Grayden and Nancy Tschantz	FirstEnergy Foundation
Ohio Dept. of Transportation	Sandy Township Trustees
Ohio Bicentennial Commission	The Henlein Family
Wayne Mutual Insurance Co.	Pike Mutual Insurance Co.
Tusky Valley Marching Trojans	Frease Foundation

The Ohio General Assembly and the People of Ohio
Ohio Department of Natural Resources
Stark-Tusc-Wayne Joint Solid Waste District
Muskingum Watershed Conservancy District
Historical Society of the Phoenixville Area
David Simmons, Ohio Historical Society
Vern Mesler, Calhoun County (Michigan) Historic Bridge Park
Bob Dermer, Terry and James Mellott and all the Sheldon Gantt folks
Doug Lockhart, The Makers of Hand-Forged Iron
Jeff Gawell, The Forge at Cedar Hill
Joe Bachman, Tuscarawas County Engineer
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The Ironworkers of Local 550, IABSOIW, Canton
Former OSU College of Engineering Students:

Bryan Marschke	Nathan Schulte
Kevin Gormont	John Boyd

We sincerely hope we have not forgotten anyone who in some way helped complete this project. If we missed you, please bring it to our attention and we will correct the error on our website.

Zoarville Station Bridge Project Completed

For more information and photos, visit www.tuscazoar.org/ZSB.htm

Tuscazoar's newest landmark

From Page 2

Lastly, this bridge is constructed of rare Phoenix Columns, formed by riveting sections of curved plates together at the flanges, and other pieces fabricated by the historic Phoenix Iron Works of Phoenixville, Pennsylvania.

Because the bridge's deteriorated condition, the Foundation immediately began dismantling and storing the bridge components. In 1998, rotted decking and unneeded steel were removed to lessen the weight on the structure and prevent collapse. Over the next seven years, the Foundation worked to raise funds for restoration and reconstruction, and to construct approach trails leading to the bridge.

The first grant of funds came in February 1998 from the Stark-Tusc-Wayne Joint Solid Waste District for the purchase of recycled plastic lumber decking, followed by grants from the Ohio-Erie Canal Association and the Frease Foundation of Dover for construction and restoration. Then, in 1999, the Ohio Department of Transportation (ODOT) announced that they would award a grant to the project of federal funds provided by Congress under the Transportation Equity Act for the 21st Century. However, the TEA-21 grant only provided part of the money needed to dismantle the bridge and get it into storage, so additional non-federal funding had to be found. Then-State Senator Greg DiDonato responded by successfully obtaining a grant of \$7,000 from the Ohio General Assembly through the state capital budget, the Rosenberry and Frease Foundations contributed additional grants, and the bridge was dismantled and placed in storage in New Philadelphia in September of 2000. Construction began on the approaches that same year. However, the cost of the approaches was not eligible for funding under the TEA-21 grant, so additional funds had to be raised solely for that portion of the project.

After lengthy discussion, the Foundation chose not to raise the bridge, saving an estimated \$300,000. Instead, extra efforts were made to coat the bridge against corrosion and to drill "weep-holes" on the bridge members to allow water to drain out of cavities in the structure as floodwaters receded. Flooding occurs as the Dover Reservoir rises, so almost no current will be present to undermine the bridge or cause debris to crash into the bridge. The old, unrestored bridge survived countless floods in its Zoarville location, including the record 1969 reservoir level.

In 2006, the necessary funds were finally raised and restoration began. Meanwhile, research was conducted on the origin of the bridge components, the color of paint used on the bridge, and the molecular composition of the wrought iron used in the bridge components. What we call "wrought iron today is very different in composition from what was used to build this bridge. The metal in this bridge includes a fair amount of slag, an iron-making byproduct, which gives the metal toughness and strength but makes it somewhat brittle and very difficult to weld. Also, no one knew what minerals were used in this iron. The composition of the metal is important, because different compositions have to be welded with different welding rods to form good welds. At the recommendation of Vern Mesler of the Calhoun County Historic Bridge Park in Michigan, we contacted the Ohio State University and ask their College of Engineering's Department of Welding Engineering for assistance. Four OSU students volunteered to investigate the composition of the iron and determine what commercially-available welding rod should be used. They determined that the metal was unusually high in phosphorus, and that a welding rod used on offshore oil rigs would work best.

With the receipt of additional funds from an Ohio Department of Natural Resources Clean Ohio recreational trails grant, restoration began in 2005. The trails grant was possible because this bridge will carry four different hiking trails and permit Camp Tuscazoar visitors to access the Ohio-Erie Canal Corridor. Various hiking groups such as the Ohio-to-Erie Trail Fund and the Buckeye Trail Association contributed needed matching funds to this project.

Once restoration was completed, reconstruction began in 2007 by Sheldon Gantt of Niles, Ohio, the same firm that dismantled the bridge. The bridge was partially rebuilt on a frame of I-beams next to its final location, and then lifted into place as a unit with a 500 ton crane in July of 2007, under the guidance of ironworkers from Local 550 in Canton, several of whom are from the Zoarville Area and remember playing on the bridge as kids! The decking and railings were then installed, and the bridge was finally completed on August 31, 2007.



The newly-restored Zoarville Station Bridge



Visitors gather on the newly-restored bridge after the dedication ceremony

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Acme, GFS rebate programs assist camp

The Camp Tuscazoar Foundation is once again collecting register receipts from area Acme stores. We receive 5% cash back from our total and last year we received over \$100 for our efforts. Please save your receipts and either drop them off at the camp or mail them to our P.O. box.

Gordon Food Service also has a rebate program. If you purchase from them and give them the camp name, we will receive a rebate for future purchases. We buy supplies from GFS for our Pig Roast and pancakes breakfasts. If you shop there and don't have an organization to get the credit, please give them Camp Tuscazoar's name. Thank you for your support!

Coming Events:

Jan. 6	CTF Board Meeting
Feb. 3	CTF Board Meeting
March 2	CTF Board Meeting
March 29 & 30	Tuscazoar Maple Days
April 6	CTF Board Meeting
May 2-4	Dover Dam Weekend
May 4	CTF Board Meeting

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Endowment Fund

Helping to Keep the Spirit Burning

The following persons have helped ensure the future of Camp Tuscazoar with their generous contributions to the Camp Tuscazoar Endowment Fund.

Nancy Schoenbaum
In memory of Bob McMillen

Nancy Schoenbaum
In memory of Charles Hill

Ruth Willoughby
In memory of Ken Beitzel

Cheryl Warrick
In memory of Ted Koontz

The Camp Tuscazoar Endowment Fund was established to ensure that maintenance and improvement projects have an ongoing source of funds. Please consider sending a gift!

Masons needed for brick area

Attention brick masons and other helpers: we are planning to construct a new brick area in front of Kimble Hall for commemorative bricks that can't be put in the Eagle Walk. We will begin the project in the spring, but we want to find some folks now to give us a hand. We will need a tamper and some strong backs! The next issue of the Breeze will set an exact date, but if you would be willing to help, just let us know. Please drop a line to the post office box or call Nancy Schoenbaum at 330-493-1386. Thanks in advance for your help!

P.S. Brick sales are an ongoing project whether for the Eagle Walk or the new location. They are \$30 each and will be installed this spring. This would make a wonderful Christmas present for your favorite Scout or Scouter.