

TRAINWIRE



MAY, 2020 VOLUME XVI ISSUE 5



A PUBLICATION OF
THE WESTERN RESERVE DIVISION
DIVISION 5 — MID CENTRAL REGION — NMRA

THIS MONTH:

The May Division Membership Meeting has been cancelled due to Covid-19 guidelines.

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Well here we are again after another month of being quarantined. You talk about a task, try filling up a Trainwire without any train activity for the past month. I would like to personally thank Mike Carovac for his two great submissions to the Trainwire this month. You really helped give this edition some very insightful content. On the other end of the spectrum I have to thank this months mystery member profile who provided some much need comic relief to this issue. I personally believe the paper bag is a great look on you and maybe you should think about adopting that full time. In case anyone was wondering and couldn't figure out who the member profile is; it is our own Tripmaster B or as some of you know him...Bill Osborne.

Now we do have some serious announcements, well kind of, Mike Buehner (everyone should remember him as the guy that shows up from April to October) and myself have been paroled from our duties as Superintendent and Assistant Superintendent as of the end of May. In our place we welcome our two duly elected officers Matt Kross (Superintendent) and Mike Carovac (Assistant Superintendent). The 2 M's (Matt and Mike) will assume du-

ties beginning June 1. We have no doubt both gentlemen will do a wonderful job and lead our division through these strange and unprecedented cancellations.

Now with the mention of cancellations we still do not know when our next division meeting or BOD meeting can occur. The BOD is still following federal and state guidelines as to what is allowed and what is not allowed for reopening. We will take into consideration the average number of attendees, room size, age of membership, and any other vital information before scheduling any of these events. So until then if you want to remain connected we have the monthly Trainwire (please feel free to submit articles or anything you feel the membership would enjoy) and our division's Facebook page.

On a final note I am looking forward to sitting back in the general population at our meeting now that my 4 year term has expired. So Rich my good friend save me a seat right next to you if you don't mind. It has been a pleasure serving as your Assistant Superintendent.

~Bryan Persing
Editor

MEETINGS & EVENTS

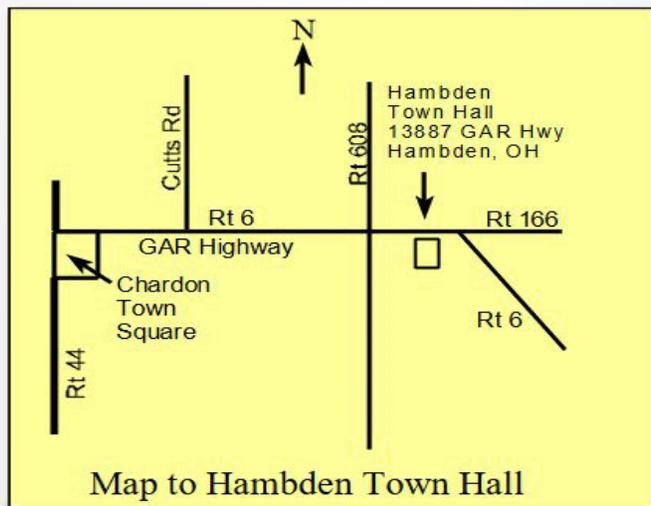
UPCOMING DIVISION 5 MEETINGS

(DIVISION 5 MEETINGS START AT 7:30)

LOCATION: HAMB DEN TOWN HALL
13887 GAR HIGHWAY (ROUTE 6)
CHARDON, OHIO

MAY 1, 2020 MEETING CANCELLED

All April and May meetings and have been cancelled to follow government Covid-19 guidelines. No decisions have been made on the June activities but the division will follow government guidelines about cancellations. Information about activities will be posted on our social media platforms and in the Trainwire.



Map to Hambden Town Hall

UPCOMING Events

(SEE ATTACHED FLYERS IN TRAINWIRE FOR COMPLETE DETAILS FOR MOST EVENTS OR GO TO WWW.CLEVESHOWS.COM)

Obviously with everything being the way it is right now it is important to confirm if an event listed will actually be held.

JUNE 13 & 14 10-5

MODEL TRAIN DAYS
PAINESVILLE DEPOT

Bring & Brag

DIVISION CERTIFICATE POLICY UPDATE

Due to Covid 19 business closures, which includes hobby shops, the division is temporarily updating their division certificate deadline policies. The current policy is that you must use the certificate by the expiration date or it becomes expired and there is no reissuing of expired certificates. However, the board realizes that because of the current pandemic using the certificates has not been possible so we are temporarily fixing that situation. Any certificates expiring March, April, or May 2020 (other months maybe included if businesses stay closed beyond June) can be reissued for an expiration date in the future. In order to do this you would need to email/contact Bonnie before Tuesday of the next division meeting (currently scheduled for June 5) with the number on the certificate(s) that you will need to transfer. Those certificates would then be exchanged for new ones with a later expiration date (probably 4 months). If you have any questions contact a member of the BOD for answers.

DIVISION FACEBOOK PAGE

Remember that the division has a Facebook page (NMRA Western Reserve Division Group) and that if you want to share projects that you are currently working on you may do so there. Once we can begin having meetings again you may bring in those projects and still discuss them during our Bring & Brag time and earn division certificates.

BUSINESSES ACCEPTING DIVISION 5 CERTIFICATES



Stewart's Hobbies & Collector's Toys
 Hobby Town USA
 Train Specialty Company
 Toy-N-Hobby Headquarters
 The Painesville Railroad Museum
 CW Trains, LLC

Willoughby, Ohio
 Mentor, Ohio
 Chardon, Ohio
 Geneva, Ohio
 Painesville, Ohio
 Mentor, Ohio



PLEASE SUPPORT THESE DEALERS!

St. Louis 2020 National Convention and National Train Show Cancelled

As everyone is aware, the coronavirus has had a devastating impact around the world. It has caused the death of tens of thousands of people and that is not something to be trivialized.

The NMRA National convention, Gateway 2020, is scheduled to start on July 12, 2020, in St. Louis, Missouri. That being said, the local host group has determined that they can no longer continue with the preparations and operation of the convention. Among the reasons for this decision is the fact that one key member is ill with COVID-19. The host group requests your prayers for him.

Additionally, some members of the local model railroad community have withdrawn their model railroads from the tours, based on their understandable and valid concerns about allowing persons in their homes who may have the COVID-19 virus. Even if the virus is well under control, that does not mean that everyone who attends the convention would be virus-free.

Robert Amsler, Manager of the Meetings and Trade Show Department has advised the Officers and the Board of Directors of this decision and the Officers and Directors fully support cancelling the convention. Neither the Gateway 2020 crew nor the NMRA made this decision in haste or without careful consideration of all involved. The cancellation is in the best interest of the NMRA members, their family members, and the NMRA. It is noteworthy that the NMRA has never cancelled a convention before Gateway 2020 and that includes during World War II.

For those who have registered for the convention, the refund policy will be published as soon as possible at Gateway2020.org. We, the Gateway 2020 Committee, will need some time to make the necessary changes to the website to process the refunds.

Again, all involved regret this decision but we trust that you will understand the necessity and reasoning behind the decision.

Articles

A Strange and Odd Wheel Arrangement of the Steam Era

What do you do when you are stuck at home because of the COVID-19 virus, other than doing the wife's bidding? You do model railroading stuff like weathering your rolling stock, finishing your flatcar loads, running your trains around your layout or finding weird train stuff while doing research. I had learned long ago that the B&O would regularly experiment with their standard wheel arrangements in an effort to improve performance and power but, steered away from testing unique wheel arrangements. Well, I happened to run across a strange wheel arrangement that the B&O, Great Northern, Erie, and Southern Railway tested in the early part of the 20th century.

In the late 19th century and early 20th century the B&O was using the 0-8-0 "Camels" and 2-8-0 "Consolidation" to pull the freight loads for the railroad. Then in 1904 the B&O put into service the first ever articulated 0-6-6-0 Class DD-1 Mallet. This locomotive provided more than 20,000 pounds more tractive effort than the 2-8-0s and saw service with the B&O until 1938. Then shortly after the 0-6-6-0s became a mainstay of the railroad, a strange wheel arrangement appeared.

In 1911 the B&O had hundreds of 2-8-0 Consolidations in service as their standard freight locomotive. It was at this time the B&O sent one of its 2-8-0 Class E-24s to the Baldwin Locomotive Works to be remanufactured as an experimental 2-6-8-0 Mallet and listed it as Class KL-1. This remanufacture was done by lengthening the boiler, which extended the wheelbase by about twenty feet. From what I can read, this experiment was to see if the current

fleet of 2-8-0s could be converted for more power. The 2-6-8-0 locomotives proved to be a very powerful locomotive providing around the same 60,000 pounds of tractive effort as the 0-6-6-0s. After placing the 2-6-8-0 into service the B&O discovered (like the other railroads) that this locomotive suffered from excessive slipping and uneven traction on the steep mountainous grades of West Virginia, western Pennsylvania and the rails of the West End in Maryland. This wheel arrangement was short lived on the B&O as it was removed from service after only five years. It is interesting that the B&O started to order the 0-8-8-0 Class LL-1s the same year as the 2-6-8-0. The lesson most likely learned here was that of balance of power versus traction as the 0-6-6-0 and 0-8-8-0 families of locomotives became the mainstay of the B&O and survived until the end of the steam era with the 2-8-8-4 Yellowstone's being one of the most famous.

~Mike Carovac



Member Contributions

Articles

Not all Glues and Adhesives are Created Equal

Recently while working on some of my “projects” I began to have trouble with the glues and adhesives that I was using. The problem primarily was the fact that the glues and adhesives that I was using were not holding the pieces together. This led me to investigate what the best glues and adhesives are. What I found out was that not all glues and adhesives are created equal. Even within the same types of products differences in their uses and capabilities are either slightly or drastically different, a good example of this is super glues. When you go to the store have you ever wondered why one manufacture has four or five different super glues or why the tube uses the word “some” or “most”?

To begin with, the definition of glues and adhesives is to create a bonding or fastening between two surfaces without the use of mechanical devices. These products are made either with organic based compounds or synthetic chemicals. In today’s world most are made with synthetic chemicals. Although there are most likely hundreds or thousands of different chemical compounds that make up today’s glues and adhesives, we will only take a look at the most commonly used in “our” hobby.

Polyvinyl Acetate (PVA) – This type of glue has a very wide range of uses from kid’s school and crafts glues to wood glues with a range of strengths

that matches its diversity. These type of glues are water based with a fairly easy clean up but, set times vary between 5 minutes to 1 hour with dry or final cure in 24 hours. The white PVAs are primarily for crafts and have a low to medium strength and can come in gloss or matte finishes, whereas the cream/tan/yellow colored PVA are used on wood and have a medium to high strength. This type of glue can be mixed with water and a wetting agent giving it the ability to be used in many different applications. Some common brands are Elmer’s, Gorilla, Mod Podge, Tacky Glue and Titebond.

Cyanoacrylate (CA) – This is more commonly referred to as “Super Glue”. These products come as either a gel or a liquid. Because these glues bond very quickly there is almost no set time and positioning correctly the first time is critical. They do form a very strong bond but be careful as not all super glues work the same. A good example of this is when you attempt to join two different materials together or certain types of plastic together. What works on one may not work on the other. One bad characteristic of these products is that over time the glue may become brittle which leads to joint failure. Some common brands are Gorilla, Crazy Glue, Loctite, Permatex, Super Glue and Weldbond.

Epoxy – Epoxies are a two part adhesive that when combined can form a very high strength bond. Like the CA glues not all Epoxies are the

(Continued on Next Page)

Articles

same. Some are designed for general use while others are used for metal or porcelain. The largest problems with epoxies are when the two parts are combined and during the curing process. A poor mixing of the two parts can cause the epoxy to remain sticky thus not allowing it to set and cure which will cause joint failure also, heat is generated during the curing process. Some common brands are Gorilla, JB Weld, Loctite, PC Fix and Permatex.

Polyurethane – This type of glue can come as a one or two part and is primarily used to bond wood together but can be used on other surfaces. Surfaces do require to be dampened prior to the glue being applied. A very strong and tough bond is formed after the curing time is complete, usually in six to eight hours. The biggest disadvantage to this type of glue/adhesive is that it requires clamping to keep the two surfaces from separating during the curing process. These products also generate heat during the curing process. Some common brands are DAP, Gorilla, Loctite, Titebond and Vibra-Tite.

Solvent Cements – These cements described are for use with plastics. These types of glue literally weld the pieces together by softening and melting. Forming a very strong joint. A large amount of these glues have been removed from the market because of EPA VOC requirements. The most commonly used is Plastic Weld by Plastruct but Testors and Tamiya are also commonly sold at hobby stores.

Although these are the most common they are by no means the only types of glues and adhesives that you can use, many of us also use forms of latex and silicone caulks as well as construction adhesives. Which manufacture has the best adhesives and glues? This I have found to be a personal pref-

erence. I do not use one glue or adhesive, instead I use certain glues or adhesives for certain task. I use Elmer's White Glue, Woodland Scenics Scenic Cement and Mod Podge (Mat) for general assemblies. Gorilla Wood Glue for any wood projects and Plastic Weld for working with styrene plastic. I use Testors Clear Parts Cement when working on clear plastics like windows. When putting two different types of materials together, I prefer to use Pliobond 25. Some of my projects require the use of a spray adhesive. For these projects I use Elmer's Multi-Purpose Spray Adhesive. I will say I do tend to use more Loctite products than any other. I use their Super Glue (both gel and liquid) because I like the squeeze container they come in. I found that the liquid does not work on porous materials as well as the gel. I also prefer to use their all-purpose GO2 Glue on white metal items instead of epoxy glues. I like its set up time and once its cured it's as strong as the epoxies but with less of a mess. The one product that I have come to love from Loctite is Plastics Bonder. They say that it will bond any plastic to itself or to any other type of plastic. So far it has not let me down.

The key to what glue will work and will not work is on the label – if you can read it (magnifying glass not included). If you have a "secret" glue that you have found that works for you, let me know. I am willing to try anything.

"A NOTE OF CAUTION" – Please read the labels before you use any type of glue or adhesive. Proper ventilation is the key to safety when using these products. Some of these products require open areas and/or open windows.

~Mike Carovac

Glue Adhesive	Polyurethane	PVA (white)	PVA (yellow)	CA (super)	Epoxy	Solvent Cements	Construct Adhesive
Used For	Dissimilar surfaces	General Craft	Wood	Instant Bonding	Dissimilar Surfaces	Instant Bonding	Multi Surface
Work Time	10-15 min	5-10 min	5-10 min	>5 sec	5 min	>5 sec	10 Min
Clamp Time	1-2 hours	20-30 min	20-30 min	10-45 sec	30 min	10-45 sec	1-2 hours
Drying Time	1-2 hours	1-2 hours	1-2 hours	1-5 min	24 hours	1-5 min	24 Hours
Color Dry	Tan/White	Clear	Wood	Clear	Clear/Opaque	Clear	Varies
Finishing	Sandable Paintable	Sandable Paintable	Sandable Paintable	Sandable	Sandable Paintable	Sandable Paintable	Sandable Paintable
Use On							
Wood	x	x	x	x	x		x
Metal	x			x	x		x
Stone	x			x	x		x
Plastic	x			x	x	x	x
Foam	x	x	x				x
Paper		x	x	x			x

Note: Times are based on suggested temp and humidity. Check the label for correct suggested requirements

Member Profile

(Paper Bags are Hard to Find Now)



I have been modelling in HO since I was a little jewelry box, I have always loved trains. I think I got that from my grandfather. He would take me to the antique tractor show at Sunrise Farm in Burton. (before it was at Century Village) I would see all those steam tractors and couldn't figure why they weren't on rails, but I still loved the smell of burning coal and the sound of those things chugging by. I was the only kid who played with trains so most of

my childhood railroading was done solo. My grandma and grandpa lived a few streets over from me and there was a kid who had trains that lived next door to her. His father built a nice little layout on a 4X8 sheet of plywood but he never wanted to play with it. Every time I went to grandmas I would head to his house and practically beg him to play with them. When we would go down to his basement to play he was brutal and abusive to them, I just couldn't understand that. One time I was at grandmas sitting on the front porch, he rode by on his bike with all his trains in tow roped to his bike. They were bouncing and hopping on the concrete street and parts were flying off. If you have ever seen the movie Toy Story he was Sid to his trains.

I have always been very mechanically inclined so other interests included mechanical stuff.

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My grandfather showed me how to maintain his lawnmower so when I was 12 I had my own lawnmower service business. I would ride around on my bike on garbage day and bring home all the lawnmowers that were being thrown out. I could always get them running and would sell them. At one time I had almost 20 mowers for sale. I sold lawnmowers to a couple of my teachers, one of my teachers that I sold one to was my English teacher, her brother was Don Shula and at that time he was the coach of the Miami Dolphins, so she also gave me a real Dolphins jersey. The neighbor 2 doors down from me suffered a stroke and was very disabled but the thing he liked the most was mowing the lawn. It took him a long time as the lawnmower was like his crutch, it was a special lawnmower made by Black and Decker. It was electric (he couldn't start a pull start gas mower) with a handle that pivoted from front to back by pushing a button. He didn't have the strength to turn the lawnmower around so the handle flopped over to the other side. Then one day the engine burned up. They couldn't find another mower set up like that so they bought an electric mower with the hopes he could still mow the lawn; but he would get to the end of his cut but just couldn't turn the mower. He was pretty upset and had his grand kids mow the lawn for him a couple of times. They still had the old mower, the lawnmower shop told them it was unrepairable. I told her I could make the new mower work like the old mower but his wife was skeptical but said give it a try. So I took the old handle assembly off the old mower and the handle off the new mower and started drilling holes and using washers as spacers and after a few tries I got the old handle to work on the new mower like it did on the old one. I still remember like it was yesterday when he gave it a try, he cried the entire time he mowed his lawn. That funded my train addiction, not bad for a 12 year old.

In high school the trains faded away as cars and girls seemed more exciting. I bought my first car when I was 14 and drove it home which made my parents mad. It was a 66 impala. I worked on that car all the time and had it fixed up BUT I didn't have the title for it and the person I bought it from couldn't find it, but that was ok since I only paid \$50.00 for it. I must have put 500 miles on it driving up and down the driveway, I didn't even have a license yet. I

would back it down the driveway to the sidewalk the punch it. The tires would squeal all the way to the back yard, I had to let off the gas and hard on the brake at the back of the house in order to fly into the garage and not through the back of the garage. One day someone offered me 300 dollars for the radiator, windshield, and power glide transmission; that's when I discovered the value of a car. I sold many other parts off it and made close to a grand, but my parents weren't too thrilled with my salvage business, so my uncle came and towed the stripped hulk away (he owned a junk yard in Ashtabula).

I later went to Ohio Diesel Tech and was a diesel mechanic working on trucks. I had job offers to work for Haliburton maintaining gen sets on off shore drilling rigs and Columbus Equipment Co working on mining equipment, but being 19 I didn't want to start being on my own so far away.

I worked for Goodyear as an auto tech and became one of the top techs in the district; then in 1988 I went out on a limb and opened my own shop. During this time I worked on just about every make and model of car and truck, worked on boats, race-cars, exotics and vintage cars and Willoughby police cars. I have rebuilt engines, transmissions, differentials etc. I even worked on the Goodyear Blimp; that's a story for another time just ask me about it and I will show you pictures and a video I made. I got sick of cars and sold the business in 2010. Now I'm working for someone else as a manager but still burned out on cars.

I still love trains and got back in it heavily in the 90s buying tons of stuff but still no layout. I was a member of the division in the late 80s and attended a meeting, that's when the division met on the 3rd floor of the Huntington Bank Building in Painesville. They argued about HO scale and N scale and at the bring and brag table I was checking out a NYC caboose and this little fellow told me that if I even thought of touching it he would break my fingers. WOW I didn't come back to a division meeting till 2002.

I also collect railroad equipment that reminds me that gravity is a force to be reckoned with. I enjoy being a member and coming to meetings because frankly you haven't kicked me out yet. If you took the time to read this thanks, and that's 15 minutes of your life you won't get back.



Follow us on
Facebook

NMRA

WESTERN RESERVE DIVISION GROUP

MODEL TRAIN DAYS
at
THE PAINESVILLE RAILROAD MUSEUM
475 Railroad Street, Painesville, Ohio 44077
For info call Tom at 216-470-5780

JUNE 13-14 2020
10 am to 5 pm
REVISED DATE

See operating Model Train Layouts in N scale,
HO scale, S scale, O gauge and G gauge.
12 Different Layouts to see!
Model Train flea market on grounds.



Admission: \$5.00 adult, \$3.00 child (3 to 12 year old)
\$12.00 Family (max 2 adults, 3 children)



Direction to Painesville Depot
I-90 (exit 200) to Rt. 44
North on Rt. 44 to Rt. 2
East on Rt. 2 (1.5 miles) to OH 536 / OH 283 (exit 223)
South on OH 283 for 200 feet, left turn (east onto Chester St.)
East on Chester St. (0.7 miles) to North State Street
South on North State Street (under RR Bridge) to Railroad Street.
East on Railroad Street to Depot.

Food and Drinks available.

Proceeds to help the restoration and preservation of the historic NYC Painesville Depot and bring her back to its glory days of the NYC.

www.painesvilleraillroadmuseum.org
50233 (1) Non-Profit

Jefferson Historical Society
Train and Toy Swap Meet



Saturday July 18, 2020 10:00 AM - 3:00 PM
Admission \$2.00 Children under 12 FREE!

Good Food Available
Train and Toy related items only

Jefferson Community Center
11 East Jefferson St., Jefferson, OH 44047
Email: jeffersonohiohistoricalsociety@centurylink.net
Website: www.jeffersonohiohistoricalsociety.org
Phone: 1 (440) 576-5333 (leave a message)

Cut here - Return this part with your payment

Please Print
Name: _____
Phone: () _____
Address: _____
City _____ State _____ Zip _____
Email: _____

Make checks payable to:
Jefferson Historical Society
P.O. Box 574 Jefferson, OH 44047

The officers and members of the Jefferson Historical Society are not responsible for any loss, damage, injury or tort during this event or related events.

Tables (6') @ \$12.00 ea \$ _____
Tables (8') @ \$16.00 ea \$ _____
Total: \$ _____

Return this part with your payment

Note - Table Rental Money will be refunded if this event is cancelled

HOBO DAY
SATURDAY, JULY 25, 2020
10 AM TO 8 PM
At the
Painesville Railroad Museum
475 Railroad Street, Painesville, Ohio 44077

Admission: \$5.00 adult, \$3.00 child (3 to 12 year old)
\$12.00 Family (max 2 adults, 3 children)

Food and Refreshments available for small donation
Hamburg's and Hot Dogs (Noon to 6 pm)
Hobo Stew and Hobo Beans (1 pm to 6 pm)

Live Music by The Miracle Band 1 to 3 pm

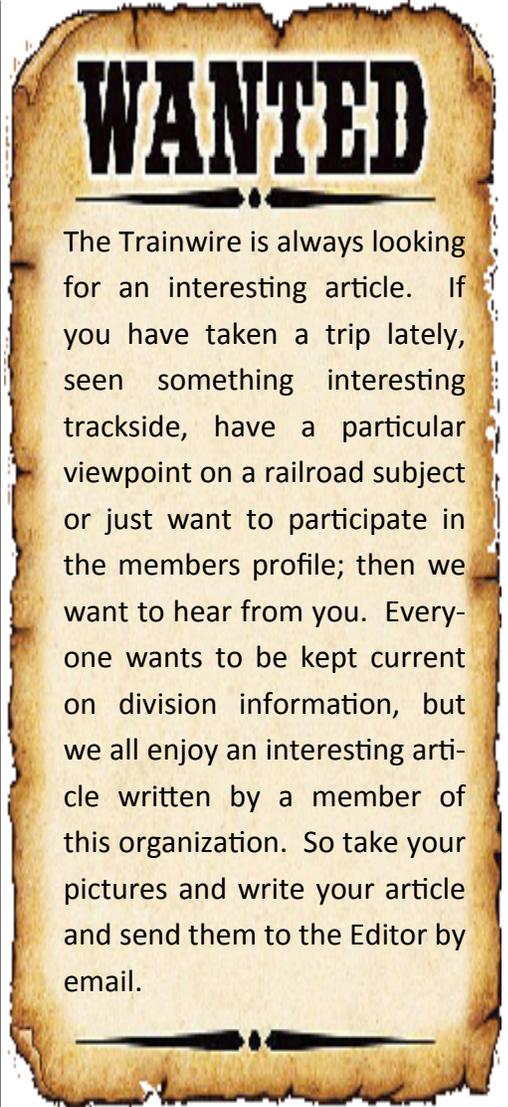
RAILPANNING
The Depot is located on CSX Main Line, with plenty of rail traffic to take pics of.
Be sure to bring your Camera!

COSTUME CONTEST
Get into the spirit of the Day
Win a prize



www.painesvilleraillroadmuseum.org
A 501(c)3 Non-Profit

Division 5 Officers (Terms expire June 2020)		
Superintendent	Mike Buehner	440-479-2276 Super@mcr5.org
Asst. Superintendent	Bryan Persing	330-715-3519 AstSuper@mcr5.org
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Chuck Limbert	440-357-1864	BOD@mcr5.org
Mike Carovac	440-497-8536	BOD@mcr5.org
Ray Newnes	216-312-2132	BOD@mcr5.org
Division 5 Appointed Positions (Terms expire June 2020)		
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Company Store	Ted Wiese	440-256-5212 CompanyStore@mcr5.org
Program, Bring & Brag	Dave Neff	440-269-1229



The Trainwire is always looking for an interesting article. If you have taken a trip lately, seen something interesting trackside, have a particular viewpoint on a railroad subject or just want to participate in the members profile; then we want to hear from you. Everyone wants to be kept current on division information, but we all enjoy an interesting article written by a member of this organization. So take your pictures and write your article and send them to the Editor by email.

NOTICE

I work on the Trainwire throughout the month and publish it around the 20th. If you absolutely need something in the next Trainwire issue please send it as soon as possible or let me know to hold space for you. Many times space allotted for certain items may already be spoken for. However, if you send items in early I can rearrange the format. Also when items are submitted I will inform you that I received them and when to look for them in the Trainwire.

THE TRAINWIRE NEWSLETTER

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WILLOUGHBY HILLS, OHIO 44094

MAY, 2020 EDITION

DIVISION 5 MEMBERSHIP (69)

THE TRAINWIRE

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THE WESTERN RESERVE DIVISION 5

www.mcr5.org
A non-profit educational organization



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