

The

Whistle



Post

Official Newsletter of the

Neuse River Valley Model Railroad Club

1615 Old Louisburg Rd Raleigh, NC 27604

Phone: 919-400-5570

“All Aboard”

What a Show! Maybe the BEST SHOW EVER!

That was just a fantastic experience. If you missed any of it, you missed one of the most amazing events in model railroading in this area in years. We saw over 2,000 paid admissions, sold a beautiful ski scene layout, raffled off a real neat N scale layout, and sold a ton of merchandize at the Club table. Final numbers are not in yet, but it looks like this may have been the most profitable show we have ever put on. How about that? None of this happens in a vacuum. It took a huge amount of work and effort from a bunch of dedicated individuals. And I want to personally thank each and every one who played a part in this great success. We are a small group of people, and we depend on our show revenues to keep the doors open and trains running. Successful shows make it possible for all of us to enjoy. Once again, THANK YOU to all those of you who worked hard to make it happen.

Going forward, we have a lot of work to do at the Club, and we need your participation and help. There are projects lined up for all of the layouts. From repowering the G scale track to decorating the city scape on the N scale layout, or from rebuilding an area on the O scale layout to planning and executing the HO scale addition, there are lots of layout projects to be part of (contact layout committee leaders for how you can help). Plus, we are planning a work session on cleaning and repairing rolling stock and another to work on cleaning and renovating engines from a major donation. We have a big busy winter ahead of us. Let's plan on making it fun and profitable.

Those of you who come regularly to weekend sessions have been treated to have seen our new younger members, having fun, learning, and acting responsibly with other people's equipment. I thank them for making my day by seeing them enjoy my hobby. And, I thank their parents for encouraging them and joining them in running trains.

And welcome to all of our new and pending members. Come enjoy yourself and pitch in and help where you can.

One last thing – if you know anyone interested in trains, bring them to the Club, introduce them to our group - - - let us keep building our membership.

OK Train's leaving the station on track 1 - - - ALL ABOARD

John Spach, President

Initial Show Report

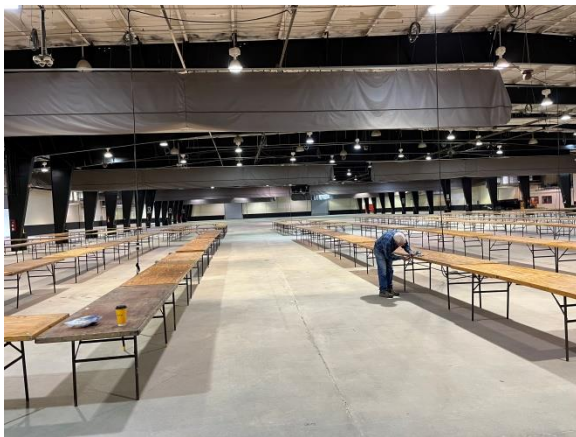
While all the results on the show are not yet available, it is apparent that we were highly successful. A total of 2016 paid admissions were accepted at the door, and Club sales at the table were outstanding. The raffle was also a great success. Many thanks go to all the members who contributed their time and effort before, during, and after the show. Sorry, but only a few of you wound up in the pictures that we had room to print for this initial report.



Ted Kunstling and Bob Witwer begin the load out. Photo by Tom Garren



Wayne Aikin and Clif Kelly loading the trailer. Photo by Tom Garren



The destination – Graham Building at the NC State Fairgrounds. Some work required. Photo by George Lasley



Doc Lou helping to set up the Lego layout with Scott Hall setting up soldering booth in the background. Photo by Ted Kunstling



Steve Wills setting up the LEGO layout. Photo by Ted Kunstling



John Spach, Ken Howard and Bob Witwer unpacking railroad cars for sale. Photo by Randy Foulke



The Presiding Elders table with Tom Garren, Dan Egy, and George Lasley. Photo by Randy Foulke



The donated Winter Ski Area layout (from Nelson Norden) that the Club modified for sale was a great draw to the Club table. Photo by Ken Howard



Ken Howard taking a break during the Club sales table set up. Photo by Randy Foulke



The first guests are greeted by Richard Calfee, Daphne Garren, Jean Keelean, Cathy Floriani, and Mike Keelean. Photo by Ted Kunstling

Brief History of EMD

By Randy Foulke

As a follow up to my presentation on EMD Basics a few months ago, and to close out 2022, the 100th anniversary of EMD, below is a brief history of EMD from its founding in 1922. The list is not meant to be comprehensive, but presents highlights that I believe are significant.

- 1922 – Electro-Motive Engineering Corporation founded in Cleveland
 - By H. L. Hamilton, former SP fireman, former manager at FEC RR, and former wholesale manager for truck maker White Co
 - Hamilton eventually becomes a VP for GM, responsible for all diesel engine manufacturing, including locomotives, stationary, marine, and trucks
- 1924 – Completes its first “doodlebugs” railcars for Chicago Great Western and Northern Pacific
 - Assembled by St. Louis Car Co. with all components from other suppliers, including Winton gasoline engines
- 1927 – Completes its first locomotives for Rock Island
 - Box cab conversions using Winton distillate engines
- 1930 – General Motors buys both Electro-Motive and Winton Engine Co.
 - GM desires Winton Engine Co. to jumpstart its efforts to become a major player in diesel engines, but discovers its biggest customer is EMC
- 1934 – EMC is specified to supply engines for the first streamliners
 - Distillate engine for the Union Pacific articulated M-10000 *City of Salina*
 - Diesel engine for the Burlington articulated stainless steel *Zephyr*
- 1936 – Construction started in 1935, EMC opens its new 200,000 sf plant outside of Chicago
 - Located in McCook, IL, it would take its name from the mailing address – **La Grange**
- 1937 – First E unit constructed
- 1938 – 567 diesel engines introduced
- 1939 – First SW1 constructed and FT freight unit begins its demonstration tour
- 1941 – GM merges Winton Engine Co. and EMC to form the Electro-Motive Division of GM
- 1946 – EMD delivers its first export locomotives
- 1947 – EMD constructs the first dome-equipped passenger train, *Train of Tomorrow*
- 1948 – Flooded with orders, EMD operates three manufacturing plants
 - Plant No.1 – La Grange, Plant No. 2 – South Chicago for parts and subassemblies, and Plant No, 3 – Cleveland for switchers and road switchers
- 1949 – Production of the F7 initiated and introduction of the GP7, first EMD road switcher
- 1950 – General Motors Diesel opens a new plant in London, Ontario
- 1952 – Introduction of the SD7, first 6-axle road switcher
- 1958 – Introduction of the SD24, first EMD turbocharged locomotive

- 1960 – Last of the F cab units produced, New Haven FL9
- 1964 – Last cab unit produced, Union Pacific E9A
- 1966 – Last 567 engine produced and introduction of the 645 engine and the “40” line
- 1972 – Introduction of the “-2” line
- 1984 – Introduction of the 710 engine and the “60” line
- 1986 – Final SD40-2 is produced
- 1988 – GM announces that nearly all production will shift from La Grange to London, ON, and will change name from EMD to General Motors Locomotive Group
- 1991 – GMLG adopts the wide-nose “safety cab”
- 1993 – Final locomotive w/645 engine delivered (Metra F40PHM-2), final regular use of E9A ends, and GMLG announces the end of production of locomotives at La Grange
- 1994 – In partnership with Siemens AG, GMLG opens the AC-traction era in railroading with a Burlington Northern order of 350 SD70MAC locomotives
 - BN order introduces the radial (self-steering) trucks and the WhisperCab
- 2000 – GMLG receives the largest single order in the history of railroading, 1,000 SD70M locomotives for Union Pacific
- 2000 – Unused buildings at La Grange are demolished, including the legendary High Bay where thousands of EMD locomotives were built
- 2005 – GM sells GMLG to Greenbriar Equity Group and Berkshire Partners LLC, and is renamed Electro-Motive Diesel
- 2010 – Caterpillar-owned Progress Rail Services announces deal to buy EMD for \$820 million
- 2011 – Progress Rail produces its first domestic and export locomotives at its newly opened plant in Muncie, IN
- 2012 – Progress Rail announces closure of the London, ON plant and produces its last locomotive in Canada, a Union Pacific SD70ACe
- 2015 – The 1010 engine is tested and introduced, the first 4-cycle EMD diesel engine, to meet Tier 4 air quality standards
- 2018 – Progress Rail announces closure of all facilities in La Grange, including the legendary EMD engine plant, except for Management and Sales; moves engine production to a new facility in Winston-Salem, NC
- 2021 – Supplies Joule battery electric SD40JR test units to Pacific Harbor Lines for ports in CA
- 2022 – The 710 diesel engine passes Tier 4 tests, CP begins testing of a hydrogen fuel cell locomotive built by EMD
 - Caterpillar, BNSF, and Chevron announce a joint venture to develop hydrogen fuel cell technology for locomotives for long-haul mainline freight service
 - Progress Rail builds Joule line battery electric switching locomotive in Brazil for International Mining; the SD70J C-C locomotive is the most powerful battery electric locomotive in the world
- To date, over **65,000** locomotives have been produced by EMD

In Memorium

The Club wishes to extend condolences and prayers to the family and friends of Bill Edwards, former member, S-scale modeler, and frequent breakfast companion. Our special condolences go to his wife Darlene.

Neat Links

Jerry Davis provided the following link to a Strasburg Railroad booboo:

<https://www.youtube.com/watch?v=Vx0E0nR4boQ>

Tom Magnani provided the following links:

Here is a link to a free online, 220 page book full of rolling stock plans. **#167 - 100 years of railroad cars.** - Full View | HathiTrust Digital Library

<https://babel.hathitrust.org/cgi/pt?id=mdp.39015006059086&view=2up&seq=167>

The Foreword mentions several other books for modelers by the same author. Viewable sites follow:

100 years of steam locomotives.

<https://hdl.handle.net/2027/mdp.39015004569532>

Pocket guide to American locomotives

<https://hdl.handle.net/2027/mdp.39015013907004>

From the hills to the Hudson, a history of the Paterson and Hudson River rail road and its associates, the Paterson and Ramapo, and the Union railroads

<https://hdl.handle.net/2027/uc1.b4536228>

Exit, the Sixth Avenue Elevated Line / [by William Fullerton Reeves] Compound locomotives [by Paul T. Warner] Norris Brothers, locomotive builders [by Walter A. Lucas].

<https://hdl.handle.net/2027/mdp.39015023941225>

October Club Activities

On October 26th, members travelled to North Raleigh to pick up the **second 100 boxes** of model railroad equipment donated by Ken Ross.. Somehow, this batch of boxes seemed heavier than the first group, and we put the stair lift to good use as the box brigade on the stairwell lost momentum. Thanks to: Randy Foulke, Steve Wills, Tom Tieman, Mike Garvey, Ken Howard, Ed Bottum, Bob Witwer, Richard Nyce, George Lasley, Don Weaver, Ted Kunstling, Mike Johns, Doc Lou, and John Spach.



After a week of work and help from Club members, the donation from October 5th had been greatly reduced.
Photos by Ken Howard



October 26th saw the arrival of another truck plus trailer load of the Ken Ross donation arriving at the storage shed.



The happy crew after the unloading was completed., but the task of sorting, sifting, and pricing still remains.

Real Train Photos

One of our newest members, **Liam Bryant**, submitted these two shots of North Carolina railroading.



NC By Rail - two trains meet at noon in High Point.



Rivals come together - both NS and CSX 911 stand idle at the NC Firetruck event at Spencer, NC

HO Layout Committee Activities in October/November

HO committee activities and construction of the layout expansion have been on hold until we got past the Fall Show. The next meeting will be at 1 pm on November 20th to discuss further construction and plans for industries, towns, the engine facility, bridges, scenery, and other components of the expansion. Bring your ideas and creative suggestions.

Future Events

South Carolina Trade Shows "Model Train Shows"

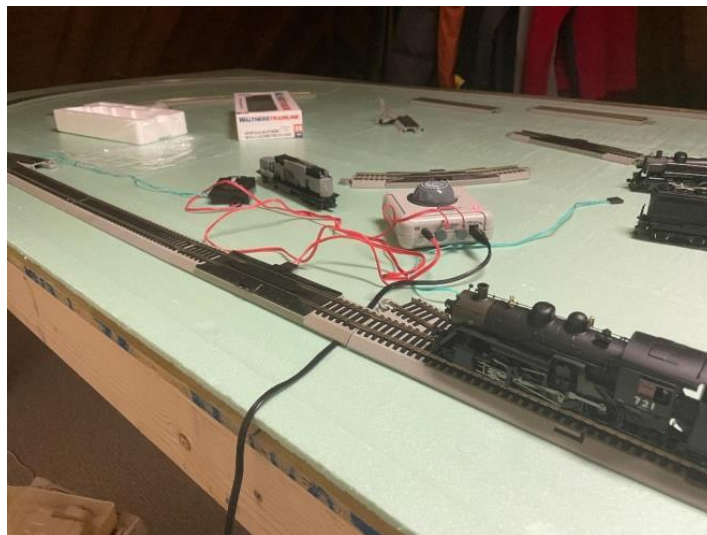
December 17, 2022
9:00 AM to 3:00 PM

Clarion Hotel, 3695 Foothills Way, Fort Mill, SC 29708

(843) 621-5531

Free Admission

Member Layouts



The newest member of the Club, **Liam Bryant**, contributed a photo of his layout. As Liam wrote: "Some or all may start small - my personal HO scale layout, on a 4 x 8 with foam board in a spare attic."

Editor's Note: For those of you who missed the last Show and Tell at the October Membership Meeting, here are a series of photos showing **Bob Witwer's** methodology for making really big pine trees. Now that you've seen his photos, read his article on how to build them.



The wire frame. Photos by Bob Witwer



Addition of foliage to the wire frame.



The finished forest with a reefer for scale.

How to Model Tall Pine Trees

By Bob Witwer

Here is how I built the HO scale pine trees from the last meeting Show and Tell. I learned this technique from YouTube, [Boomer Dioramas/River Road, Vlog #61 Modeling the Ultimate Model Tree/The Evergreen Conifer](#). There are a number of videos to watch from this channel and many others so there are a lot of techniques to choose from. I like this because of the look and the low cost.

The material used is florist wire, 18 gauge, green stem wire for the trunk, 22 gauge green for the branches, static grass and fine turf for the foliage and large wood toothpick or equivalent for mounting.

1. Cut the trunk to desired length. The stem wire package comes with 12 pieces, 18" length so one piece will make 2, 9" trees. The ones I showed at the meeting were 10-12".
2. To start the armature, wrap the 22 gauge wire around the 18 gauge trunk. Leave room at the start (3/4'-1" or more) for a place to hold on to and to use for mounting when done.
3. Form loops by wrapping the wire around your index finger, back around the trunk, then around the thumb and back around the trunk. Repeat so that now you have 4 loops. Move up the trunk a few turns and do it again...and again...and again, all the way to the end and tie off the end. Make the wraps tight so they don't slide.
4. Glue saw dust onto the trunk. I used Mod Podge or wood glue - diluted or not, your preference.

5. Paint the trunk with dark brown or your choice of color.
6. To form the thatch on the branches, glue 12 mm Static Grass on each loop to the outside 1/3 of the loop. I used light green. The loops make it easier to form a base to glue the static grass to the branches.
7. Cut the ends of each loop and spread apart to form individual branches. You can move each branch around to make interesting shapes.
8. Spray paint the complete armature with brown paint..
9. Flock each branch with 7 mm Static Grass. I used medium green.
10. Flock each branch with 4 mm Static Grass. I used dark green
11. Flock each branch with Fine Turf Grass T45. I used dark green
12. Cut approximately 3/4"-1' wood piece and wrap half of its length to the trunk with 22 gauge wire. Paint the same color as the trunk. The exposed part of the wood can then be pushed into the foam or holes drilled into the roadbed for mounting.. .

This is a very time consuming project, but very easy to do and the cost is extremely low compared to buying ready-made trees. Each tree will be an individual design, unique to how it was made - no two will be alike, and they will look very nice on your layout. Happy modeling!

Upcoming Meetings and Activities

November Membership Meeting: The next meeting is on Thursday, November 17th at 7:00 pm at the Clubhouse. Randy Foulke will present a program titled “Lima-Hamilton Krauss-Maffei Does; Basics” following the meeting. Attendance via Zoom is optional.

HO Layout Committee Meeting: The next meeting of the HO Layout Committee is scheduled for November 20th at 1 pm in the Clubhouse. The meeting will discuss construction progress and schedule additional work dates for laying track, wiring, and scenery construction.

December Board of Governors Meeting: The next meeting will be held on Monday, December 5th at 7:00 pm at the Clubhouse. Attendance via Zoom is optional.

Breakfast Social: Every Wednesday, 9:00 am at Barry’s Café, Raleigh, NC.

Notes from the Editor and Webmaster

Please send recent photos of Club activities to Bernie Dawson, at nrvwebmaster@gmail.com, so he can maintain and update our website. Photos or videos of the Fall Show are particularly desired.

Thanks to all who are contributing items for the Whistle Post. Your participation is appreciated, and your contributions will appear as space permits. Please send articles, photos of real trains,

book reviews, product reviews, photographs of your home layouts, and interesting links to Ken Howard, Whistle Post Editor, at klhowardjr@aol.com.

Minutes of the Membership, Board, and Committee Meetings

Minutes of both Board of Governors and Membership meetings are now available to those who wish to read them on the Club website. Also, minutes from HO Committee meetings are now available, so members can follow the planning and construction of the new HO layout additions. The link below takes you directly to the Minutes page:

<https://nrvcclub.net/meeting-minutes/>

NRV Whistle Post
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First Class

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Michael Keelean	Treasurer	keeleanmike@gmail.com	919-886-9238
Tom Garren	Secretary	tomgar@mindspring.com	919-805-0909
Calfee (Richard Calfee)	At-Large	rhcalfree@yahoo.com	301-335-1054
Ken Howard	At-Large	klhowardjr@aol.com	919-851-3805
Bob Witwer	At-Large	bobwitwer@gmail.com	919-632-0785

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Calfee (Richard Calfee)	Membership Chair	rhcalfree@yahoo.com	301-335-1054
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