



THE FLATWHEEL

VOL 50 NBR 03 MARCH 2015



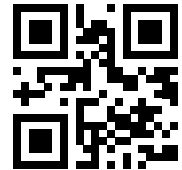
Official newsletter of Division Four, Mid Central Region of the National Model Railroad Association.



photo: John Hemsath

This month:

John Hemsath explains how he built two paper sided boxcars. see page 8



Division Four's next meeting will be Friday March 13, 2015

Division website: www.div4.org

Seller's Registration starts at 6:15 pm

Business meeting NLT 7:30 pm - may start at 7:15 PM

March's Meeting

Church of the Redeemer
23500 Center Ridge Road
Westlake Ohio 44145

Note earlier hours - auction will start
after the business meeting.

is
Auction

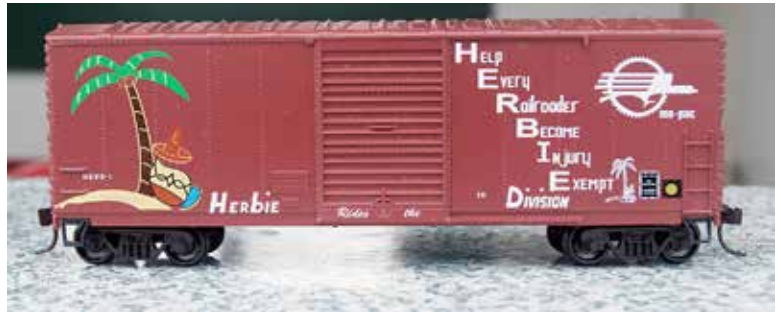
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Herbie:

Help
Every
Railroader
Become
Injury
Exempt



HERBIE'S RUMBLINGS

It's Auction time, and Frank Bongiovanni and Lee Sheffield will take charge of the March meeting to make sure everyone has a great time. More details are further back in this Flatwheel on page 13.

As I write this, I just came from the Avon Lake library, where our module group has put up a really impressive layout – lots of parents and kids attending.

Our two projects which we told you about last meeting, are now a reality – On page 12 of this Flatwheel is a list of the DVDs that we have acquired through purchase and/or donations, and which are now available for “check-out”. Chuck Klein will handle this project for now through the Company Store. AND --- Our Fast-Tracks shipment is en route as I write this. A three member task-force was appointed to set up the rules and financial aspects of the “rental” opportunity for our members, and will have a brief report at the next meeting.

At its last full meeting, the Board reviewed proposed changes to the By-Laws, and they will soon be forthcoming for you to vote on. The changes are generally routine fixes to get us in line with the Regional requirements, to recognize that the Flatwheel is now only an electronic publication, and to clarify election procedure.

I will pass along one tip I picked up at the Amherst Show in Springfield. For those of you who are dissatisfied with Dull-Coat, try Krylon Matte Finish #1311. It comes in an 11 ounce can, and is available at Michaels, JoAnn's, Hobby Lobby or Pat Catan's, at a low price after using one of their 40% or 50% coupons. Works better – none of the weathering “disappears. BUT – it does smell, so use it in the garage or outdoors if it stops snowing.

I'll keep this one short, so you can start digging out your “why did I ever buy this” items from the basement or garage and dust them off for the auction. There are forms on the website in PDF, Word, and Excel formats (also page 14) , so you can prepare them at your leisure.

See you there,
Steve Kaplan
Superintendent - Division 4 MCR

BOD Meeting Minutes

Tuesday February 10, 2015

Called to order at 7:15 PM by Steve Kaplan, Division 4 Superintendent.

Report on Superintendent Kaplan's endeavors to obtain unidentified email addresses of 36 members. Sent letters to these members and received very few responses.

Correction of motion passed at January 9, 2015 meeting re: \$ 1,000 purchase of "supplies". Should have been termed the purchase of Assets. Motion made by John Hemsath and seconded by Jim Moore, Motion Passed.

Reminder – must be member in good standing to participate in Module Group and other Division activities.

Possible solution for Training Day. Gary Schaffer has stepped up to be the coordinator of training day. The suggestion was approved to move this training day to the Black River Transportation Center. Now set for November 8, 2015. A committee will be formed and marketing will begin.

Brintnall proposal of furnishing subscriptions to NMRA Magazine @ \$28.00 to selected local libraries. Motion made to send ten subscriptions to various libraries by David James seconded by Lee Sheffield, motion Passed. Libraries initially identified (pending their acceptance) are Avon Lake, Westlake, Berea, Sandusky, Elyria, Brecksville, Beachwood, Medina, University Heights and Lorain.

Rules and procedures for administration of the DVD and the Fast Tracks programs. The committee of James, Moore and Hemsath will write the rules of the library and present to the board.

Discussion of suggestion to waive Division's 10% fee for "this year's" auction. Instead, it was decided to use this year's profit to go toward the magazine subscriptions to the area libraries.

Request by Scott Benson to purchase 100 pins for youths who run trains on the module displays .motion made to spend \$300.00 to purchase 100 badges to hand out. Made by David James seconded by Obreza. Motion Passed.

Thank You's and correspondence received.

Joe Kurelic suggested that we need to survey Great Berea Train Show guests to determine cost effectiveness of various advertising strategies (e.g., cable TV spots).

Review of proposed by-law changes. Presented by Chuck Klein and Fred Obreza. There was much discussion and review. Chuck and Fred will write the final revision and present to the board.

The Trustees of Division 4 will have an open meeting at the regular Div. 4 April Meeting.

Adjourned at 9:08 PM

David James
Secretary

Meeting Minutes 02/13/2015

Welcome by Steve Kaplan, Division 4 Superintendent.

Steve: Welcome to all for our Member Appreciation Night. We are keeping it short so we can get to the pizza!

New Members and Guests by Joe Mehalic: Welcomed new members. Discussed Roster and Knowledge Depot.

Treasury report – NONE as Bruce Bowie is on vacation. Future programs/& clinics - Larry Madson – Next month is the Auction and April clinic is by Paul Chapple of Division 5 who will do Paper Models.

Auction – the Auction will be in March. Frank Bongiovanni and Lee Sheffield will be the auctioneers for the evening. Lee reminded everyone of the rules and asked that they come prepared for some fun.

Contest - Dave Lawler reminded the group that a Hobby Shop was the next contest in April and also had Show & Tell AGM Loco and cars.

BOD Meeting – Steve went over details from the last B.O.D. meeting about Training Day at the Black River Transportation Center in Lorain. Tentatively scheduled date is November 8, 2015.

Company Store – Chuck Klein went over the new Library of How-to DVD's

Dave Williams brought his Fast Tracks fixture to show

Raffle - Mike Klein went over the great items in this months raffle and there will be a theme raffle in April.

We received a 4-H Club Thank you for the Convention Help, and also from the Special Wish Foundation.

Members got up to talk about their favorite tours and projects coming up in the near future.

Adjourned at 8:10 PM

Minutes taken by Ben Lanza

As indicated in the columns, there will be no Company Store, clinic, Show and Tell, or contest at the March meeting due to the expected length (and table requirements) of the auction.

Membership by Joe Mehalic

New Members

James Curtis Solon
Jason Kovalchuck Parma Heights

March Birthdays

Michael Bahntge	Bryan Harko	Michael Marsh
Ed Dillon	Philip Imka	Eric G Newberry
Louis R Falk	David C Johnson	Ralph Peshek
Frank Foti	Harry Lever	Paul R (Bud) Spierling
Dennis Gamble	Lawrence P Madson	Donald Stettin
Louis P Grasso		

Raffle

Due to the division auction there is no raffle in March. Stay tuned for another theme raffle in April.

The Raffle Dudes

Annual Trustees' Meeting

The Division's annual Trustees' Meeting is tentatively scheduled to be held at 7 PM before the April meeting in one of the Sunday School rooms at the church. This meeting is an opportunity for Division members to meet with the trustees and voice their concerns, suggestions, and ask questions.



February Meeting

Above: Michael Warman checks out a vendor's books.

Above Right: It was Member Appreciation, complete with pizza.

Right: Jim Moore shared his video on the Huron Docks with us. The man on the screen seems to be looking at the fellow in the back row who isn't paying close enough attention (OK, it's Jim - he's seen the video before).



BOD Meetings

May 5, 2015

BOD meetings are held at the same place as the general meetings and usually start at 7 pm. Members are always welcome to attend.

Module Group News

Members of the Module Group were invited to an operating session at the Cuyahoga Valley & West Shore club. Along with our gracious hosts (some of whom are also in the Module Group!), we all had a great time running the railroad. Some newbies to Ops, and some veterans participated. The CV&WS operating sessions have come a long way, the railroad runs great!

It has been a quiet winter so far. We had our annual planning meeting in January, laying out the objectives and events for the year. We finally have our first two events of 2015. On February 28 and March 1, we're returning to the Avon Lake Public Library for a public event. We'll be introducing one new module to the layout in Avon Lake; we've had a consistent run of new modules and participants over the last year! We will also have a small layout at the Division 5 Railfest in mid-March. This will be the first time they have had room for us to display, after many years of discussing the possibility. It's great to support our sister division's big show, along with the NMRA membership table staffing that Division 4 has long supported.

Scott Benson



photo: Steve Kaplan

The Modular Group returned to Avon Lake Library this past weekend (2/28 & 3/1).



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Turn left onto Depot St.

KITCHEN HOURS
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Friday
11:00 am-11:00 pm
Saturday
12:00-11:00 pm
Sunday
12:00-9:00 pm

440.243.6169
30 Depot Street
Berea, OH 44017

Union Depot coupon provided through Joe Kurelic MMR. Offer subject to change without notice.

Yahoo - The Division has a Yahoo group available for members. Send your request to join to dave_wms@sbcglobal.net. It's best to include "Division 4" in the subject line and include your name.

Members of the Yahoo Group receive an email when the Flatwheel PDF has been posted onto the website. The group is private and does not appear on the Yahoo directory.

Uncredited photos: D Williams.

The Flatwheel is published monthly (except during July and August) by Division Four of the Mid-Central Region (MCR) of the National Model Railroad Association (NMRA). All comments are welcome, however, those views expressed in the Flatwheel do not necessarily reflect the opinion of the NMRA, MCR, or Division Four.

Deadline for the next Flatwheel is Thursday March 26, 2015. The deadline is almost always 2 weeks and a day before the next general meeting.

The Flatwheel is no longer mailed.

DIVISION FOUR OFFICERS

Elected

Superintendent

Steve Kaplan (216) 561-1648 spk@skaplanassociates.com

Assistant Superintendent

Lee Sheffield lakeshorenc@yahoo.com

Secretary

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david.j@brtcharter.com

Treasurer

Bruce Bowie in2trains@gmail.com c (419)-602-3584

Trustee East

Fred Obreza chevy5664@sbcglobal.net (216) 587-4419

Trustee Quad County

Jim Moore moorez@aol.com h (419) 684-5833

Trustee West

Dave Williams h(440) 838-4996 dave_wms@sbcglobal.net

Trustee at Large

Larry Madson (440) 934-2643 lmadson@roadrunner.com

Trustee at Large

John Hemsath hemsathj@gmail.com

Appointed

Great Berea Train Show

Mike Oster

Achievement

Bruce Brintnall MMR

Membership

Joe Mehalic

Layouts

John and Tom Hemsath
hemsathj@gmail.com

Contests

David Lawler

Modules

Scott Benson

Historian/Archivist

Frank Bongiovanni

N.O.A.R.S. Representative

Chuck Beargie

Raffle

Mike Klein

Webmaster

Ben Lanza

Company Store

Chuck Klein

Refreshments

Joe Filipiak

Clinics

Larry Madson

Flatwheel Editor

Dave Williams

Paper Sided Boxcars

by John Hemsath

A couple of years ago, at one of the Division meetings, someone put out a back issue of Railroad Model Craftsman; April, 1959. I picked it up, took it home, and found on the inside back cover three boxcar sides were printed on the page. With them were suggestions on how they could be made into detailed, three-dimensional models. I was intrigued and, before I brought the magazine back to the next meeting, I scanned the page and printed out a couple of copies on card stock. Recently I got the urge to try my hand at those cars.

My expectations for a quality model were low. And I was determined to lay out no cash for this experiment. It was just modeling for the sake of modeling; to see how they did it over 50 years ago. I did not expect to have a model I could use on my layout, and I counted on salvaging the trucks and couplers when the model was finished to use on a future model.

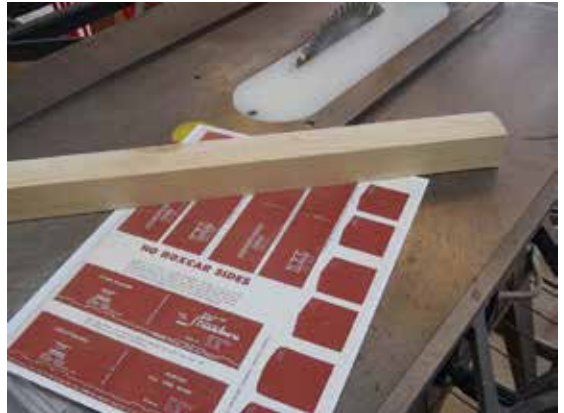
Taking dimensions from one of the car ends, and using the table saw, I cut a blank for the car body from a scrap piece of 2 x 4 in my shop. Now, using the length of the side of the car, I cross cut the blank into a couple of lengths. I decided to try to make two of the three cars hoping one would turn out OK.



To the blanks I added old Northeastern truck bolsters and Kadee coupler pockets and whisker couplers. I found a couple of pairs of trucks in my parts box and attached them with round head wood screws. Much to my surprise, the couplers came out at the correct height. These pinewood cars were a little light by NMRA recommendations so I Goo'd a few pieces of sheet lead to the bottom. I found some old Detail Associates AB brake components in the parts box and used only the cylinder, control valve, and reservoir.

I made the roofs from .020 sheet styrene with eleven roof ribs of scale 2 x 4 strip. When dry, I filed the center line flat and glued on some plastic running boards with laterals from the parts box. I had replaced these on some previous kits with Tichy running boards.

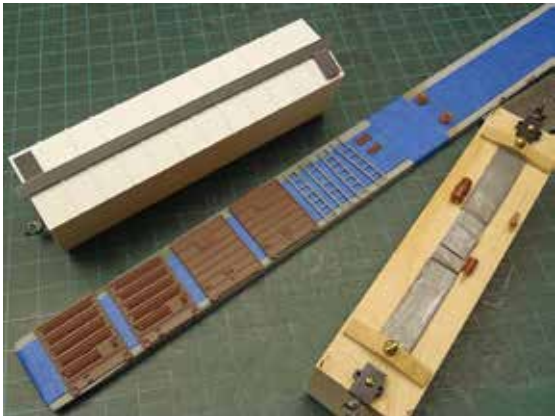
Now the tricky part; matching paint to the color of the printed car sides and ends. I mixed some Model Master lacquer Flat White with some Floquil Zinc Chromate Primer and came pretty close. I sprayed the roof with that red as well as the edges of the car blank where there might be gaps at the meeting of the sides and ends. The underside and trucks I painted Roof Brown. - (continued on next page) -



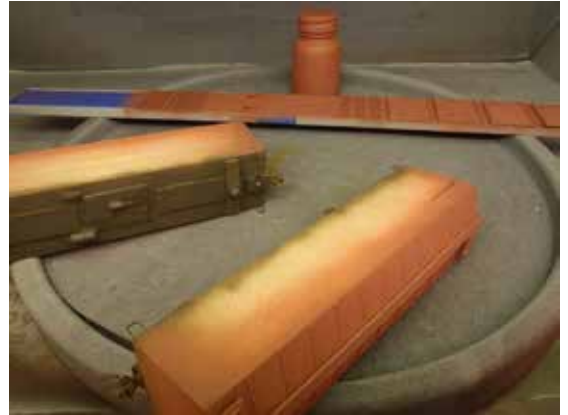
- (continued from previous page) -

The ends were now cut out of the page and trimmed to fit the ends of the blanks. The edges of the card stock were colored with a Prismacolor Terra Cotta pencil. Once the ends were glued in place with Testor's Cement for Metal and Wood, the sides followed. I attached the Ajax brake wheel from the Detail Associates sprue and used a piece of .015 brass wire to represent the brake staff. Tichy supplied the ladders and grabs. I only had four doors in my spare parts box, so I used them without any thought if they were prototypically correct.

After touching up the paint, I weathered the cars with Bragdon powders. I'm surprised they turned out as well as they did. No contest cars, but a fun project that was done in five days. And I think I'll run them on my layout after all.



John Hemsath
February, 2015



All photos: John Hemsath

Contest Corner

conducted by Dave Lawler

Results from the February meeting:

Steam Locomotives with 4 wheel lead trucks.

There were 9 entries and 40 votes.

The results are as follows:

1st: Rich Mayich Erie 4-8-2

2nd: Jim Grell L&WV 4-4-0

3rd: Dave Lawler CPR D-10, 4-6-0 with plow pilot

The point standings with two contests remaining are as follows:

1st: Rich Mayich

2nd: George Gelehrter

3rd: Jim Grell, Dave Lawler

4th: Tom McInerney

5th: Steve Riddlebaugh, Richard Woodward

Remember, there is NO CONTEST in March due to the Auction.

The April contest will be a model of a HOBBY SHOP
and May will feature EMD/GMD Diesel Locomotives.



Railroad Prototype Modelers (RPM) Meet - East



It's time to make your RPM-East plans to rekindle your modeling efforts after a long, cold winter! We will meet again at the Ramada Greensburg Hotel and Conference Center on Route 30 just east of Greensburg, PA, on March 27 & 28. The conference center is located a few miles from the Pennsylvania Turnpike, east of Pittsburgh.

Here is what we are planning.

- two days of prototype and model presentations
- a large display room to share your modeling efforts and learn new techniques
- a variety of vendors selling goods for prototype modeling
- Thursday evening operating sessions on local model railroads
- an informal Saturday buffet
- Sunday model railroad layouts to visit

A wide variety of rail-related subjects will be presented. Nearly 30 speakers are now lined up for the meet. Check our website for the latest details. A tentative presentation schedule will be available a couple of weeks before the event.

Registration is only \$38, with an additional buffet cost of \$28.

The Ramada has a special hotel room rate of \$105 per night, plus taxes.

Registration forms, hotel information, and more details can be found at the RPM-East website:

http://www.hansmanns.org/rpm_east/index.htm

PayPal is now an option for registration directly from the website!

Don't miss the 2015 RPM-East prototype modeler meet sponsored by Division 2, MCR-NMRA!

submitted by event coordinator Eric Hansmann

Don Daly (1934 – 2014)

The Winter 2015 issue of *Nickel Plate Road Magazine* includes an obituary for retired engineer Don Daly. While Mr. Daly was probably not a modeler or NMRA member, we owe him a debt of gratitude for his willingness to get his steam locomotive experiences down on paper for us. Readers of Tony Koester's MR column *Trains of Thought* know that Don was Tony's "go to man" for identifying authentic steam practices before Tony translated them into a format for modelers. As a footnote, and possibly a reward for a life well spent, Don managed to look "about 60" for the last 20 years of his life.

Company Store

Chuck Klein, Purveyor

The Company Store will be closed during the March meeting due to the auction.

We have at present the following items available for our members:

- 2014 National Convention Newburgh and South Shore hopper cars
Four numbers available. \$20.00 single cars \$55.00 for three number set.
- N&SS boxcars at \$19.00 each. Three number set \$54.00.
- FP&E boxcars two numbers \$19.00 each.
- Division 4 hats \$20.00 each.

For those interested in Division 4 shirts see Larry Madson. Various styles available. Color Navy Blue with logo and first name. Prices vary with style of shirt.

All items are subject to Ohio Sales Tax. All car kits are limited quantities - once they're gone, they're gone.

NEW PROGRAM FOR DIVISION FOUR MEMBERS: **DVD RENTAL**

The Company Store will make available to NMRA members HOW TO VIDEO'S. You will be required to leave a \$10.00 deposit when you borrow a DVD. Keep it for a month and at the next meeting return it and you will get your \$10.00 returned to you. We will need name, telephone number, and NMRA number if you know it. The current list is :

- Air Brush Techniques by Badger
- Air Brush Techniques Model RR's
- Air Brush Painting Brass Engines
- Building Craftsman Structure Kits (2 copies)
- Building Craftsman Structure Kits Vol.2, Vol.3, Vol.4
- Building Realistic Trackwork Vol.1
- Dick Elwell Hoosac Valley Lines
- Fine Scale Animation
- Making Model Trees
- Painting Figures (2 copies)
- Painting and Weathering Detail Castings
- Painting Model Structures (2 copies)
- Painting and Weathering Structures With Pan Pastels
- Advanced Techniques For Realistic Scenery
- Realistic Scenery Vol. 2
- Weathering Freight Cars Vol.1, Vol.2
- Easy Weathering Techniques
- Easy Weathering Techniques Rusty Metal, Rotten Wood, Peeling Paint

Auction

Well, it's time for our bi-annual auction at Division 4 for the March meeting. I, Lee Sheffield and Frank Bongiovanni will be your auctioneers. Our other usual auctioneer, Gary Sole, has a previous engagement so I was volunteered (railroaded) into being the new auctioneer. I have been the auctioneer for the annual Lorain County Model Railroad Club auction for many years so I thought why not give it a try.

For many this isn't your first Division 4 auction but we have a lot of new members who don't know the ropes so to speak. Each item or group of items needs a completed auction ticket attached. By completing your auction tickets beforehand you will save a lot of time on auction night. Blank tickets will be available the night of the auction or you can print your own off of the Division 4 website. On the main page, go down to the heading "March Auction Information". Click on it and a page describing the auction will come up with the blank forms located at the bottom. Open up a file (pdf, Word, or Excel) and print as many as you need. You will need to fill out the Description and the Starting Bid. A starting bid is not required unless you have a minimum price you would accept. If you do not have a starting bid put a "0" in the space. Don't fill in any other spaces. You will get your seller/buyer number on a paddle the night of the auction when you sign in. Please give a good description of the item. We can usually figure out the manufacturer but we may not always see any added details that could add to the value.

Please group your items together. We are going to start all bidding at \$5.00 so we can get through everything before Saturday morning. Yes, we have gone to midnight in past years. So for example, if you have some car kits to sell think about grouping them in twos. That way when I start the bidding at \$5.00 the price will be reasonable. Also, bidding will go in \$1.00 increments.

There will be a 10% commission on all sales. The 10% will be deducted from the seller's proceeds when he cashes out at the end of the evening. The buyer does not pay any fees. The Board of Directors has decided that the proceeds from the auction this year will go to a specific project to be announced later, tentatively determined to be *NMRA Magazine* subscriptions to local libraries.

So, in summary,

1. 10% of all sales go to the Division.
2. Starting bids will be \$5.00
3. Bids will be in \$1.00 increments
4. Sellers must be NMRA members. We welcome all buyers, so tell your friends who aren't members. Maybe this will convince them to give the NMRA a try.
5. Pay with cash or checks.

And as a final note, please be aware that there will be a lot of railroad goodies to sell and buy. If a seller fills up an entire table with their own stuff, I will sell some and then go to someone else's and then back again. It isn't fair to other sellers if I spend an hour on just one person's merchandise. Not to mention my voice will only last so long.

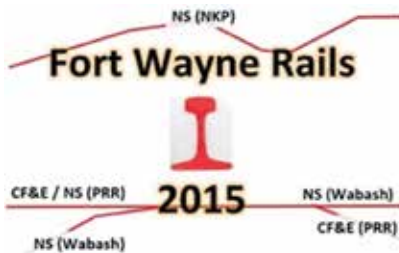
Hopefully I covered everything and didn't bore you with the details. So let's have a good time and do our best to transfer your railroad goodies to someone else's basement for a couple of years (till the next auction). And remember, number one rule is to have fun.

Lee Sheffield

Division 4 Auction 2015		Division 4 Auction 2015	
Seller Number		Seller Number	
Starting Price		Starting Price	
Description		Description	
Bid Price		Bid Price	
DIV Percentage		DIV Percentage	
Sale Price		Sale Price	
Buyers Number		Buyers Number	
Division 4 Auction 2015		Division 4 Auction 2015	
Seller Number		Seller Number	
Starting Price		Starting Price	
Description		Description	
Bid Price		Bid Price	
DIV Percentage		DIV Percentage	
Sale Price		Sale Price	
Buyers Number		Buyers Number	
Division 4 Auction 2015		Division 4 Auction 2015	
Seller Number		Seller Number	
Starting Price		Starting Price	
Description		Description	
Bid Price		Bid Price	
DIV Percentage		DIV Percentage	
Sale Price		Sale Price	
Buyers Number		Buyers Number	

Conventions

MCR Convention - see the flyer on page 18.



2015 NCR Convention
October 29 - November 1, 2015
Hotel Fort Wayne



The 2015 NMRA National Convention

Portland OR
August 23 - August 30, 2015

Upcoming Area Events

Saturday 3/14 and Sunday 3/15 **NMRA Division 5 Railfest 2015**
10 am– 4 pm \$7 \$12 Two Day Pass \$12 family
Lakeland Community College 7700 Clocktower Dr Kirtland OH 44094
railfest.org see flyer in this issue.

Sunday 3/22 **Greater Wayne Co. Train and Toy Show (Dalton Show)**
Buckeye Event Center 624 Henry St Dalton OH 44618
10 am to 4 pm
\$5, children 12 and under free www.cjtrains.com

Thursday 3/26 to Saturday 3/28 **The Fine Scale Model Railroader Expo**
Hilton Hotel & Conference Center Scranton PA
various pricing schedules, check modelrailroadexpo.com

Friday 3/27 & Saturday 3/28 **Railroad Prototype Modelers Meet - East**
Ramada Inn, Greensburg PA
\$38; see announcement on page 11 in this issue

Saturday 4/18 and Sunday 4/19 **Mansfield Firelands Model Train & Toy Show**
Richland Co. Fairgrounds 750 N. Home Rd, Mansfield OH 44906
10 am to 4 pm \$5, children 18 & under free

Saturday 4/25, **2015 Pittsburgh Model Railroad Jamboree**
Sewall Center, Robert Morris University, Moon Campus
Registration open at 8 AM \$24 before April 11, \$34 afterward
see www.keystonedivision.org for details

Thanks to Tom Pescha for providing some of this information.

I did not include the Railfest Dinner (3/14) this time since the reservation cutoff date was March 1, 2015.

As always, double-check the information using an alternate source before setting out.

The Clinic Corner

March 2015 Division 4 Bi-Annual Auction

Auctioneers Lee Sheffield and Frank Bongiovanni will be on hand to auction off your unwanted stuff. Details and entry forms on pages 13 and 14 in this issue and on the Division web site. It will speed things along if you could fill out your forms in advance.

April Paul Chapple – Division 5 “Not Your Father’s Paper Models”

Working with the new downloadable (PDF) cardboard structure kits. Here are some advantages to these kits:
Purchase a single download (around \$5.00) and make multiple models from that one download.
Most kits have a selection of options to give variety.
Screw-up a component just print out the part(s) and start again.
Models of different scales can be produced from single kits just by modifying the print size.

May Randy Dettmer – Division 1 “Covered Hopper Cars--Selection for Duty”

Covered Hoppers - how to assign the correct car for the correct job. Which type of covered hopper car is appropriate for the industries on your layout. History and background of covered hoppers is discussed. This clinic is geared to anyone that has covered hoppers operating on their layout regardless of time period.

June Bruce Bowie “Operations: A Basic Starter Kit”

There are many types of operating systems from very simple to highly complex, totally manual to sophisticated computer controlled. The goal of this clinic is show members a simple way to initiate operations on their home layouts and give them the necessary tools to give it a try.

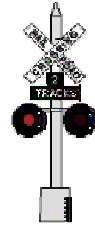
Clinic Presentation Aids

Division 4 has a digital projector available for use by division members for presenting clinic programs in digital format. We now also have a carousel slide projector with carousels. The division also has a video camera available for program enhancement. Anyone wishing to use the camera or the projectors for their program, contact Larry Madson: phone: 440-934-2643 or email lmadson@roadrunner.com.

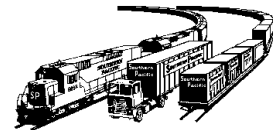
Larry Madson



Railfest 2015



Saturday and Sunday
March 14 & 15, 2015
10 am to 4 pm
Buy – Sell – Trade



Lakeland Community College

Kirtland, Ohio 44094

State Rt. 306 at Interstate 90 – exit 193

Operating Layouts

N Scale Layouts
(LENS)

HO Scale layout
(LG HO G)

**S Scale & American
Flyer**
(Cuyahoga Valley S Gauge
Association)

**Lionel O Gauge
LGB G Gauge**

Live Steam Display
(Lake Shore Live Steam)

Features

Dealers

RR Flea market

Exhibitors

Operating Layouts

Video Tapes
Historical Displays
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For Information Write:

NMRA MCR Division 5
PO Box 5081
Mentor, Ohio 44060

Phone: (440) 357-8890
Phone: (440) 478-6661

Email: railfest@mcr5.org



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Rick Cobb, Superintendent

Bruce DeMaeyer, Chairman

Thanks to Oilcan Editor Dave Puthoff for this information.