



THE DISPATCH

Official Publication of the Philadelphia Division
of the Mid-Eastern Region
National Model Railroad Association



November 2015

www.phillynmra.org

Volume 22, No. 4

We're Back in Delaware

On November 21, 2015, the Philadelphia Division will once again hold its late fall meet at the Brandywine Town Center Community Center near the intersection of US-202 and DE-92 in Wilmington, DE. Directions can be found on page 7 and a full-size map at the event listing on the website. Doors will open at 8:30am with the program starting promptly at 9:00am.

For this event, we will be hosting members from two Boy Scout Troops: #52 from West Bradford, PA, and #75 from Christiana, DE. The purpose is to introduce scouts and their families to model railroading to promote the hobby among the younger generations. Also on hand will be Don Jennings, the MER Liaison to the Boy Scouts.

Clinics to be presented will include:

- 1) **Fred Monsimer – Building a Module.** An introduction to modular model railroads, showing how modules are designed, built, arranged into layouts, and operated.
 - 2) **Mike Baker – Painting 101: Locomotives and Rolling Stock.** This clinic will cover the preparation, research, paints, masking, decaling, sealing, and final detail and assembly of models. Basic properties of paints, and basic airbrush skills will be discussed. Sample models include at least one steam locomotive, one diesel, one multi-colored model, two pieces of rolling stock, and either a MOW model or passenger car. The idea is to make everyone comfortable with the models, tools, and paints so they can achieve contest quality results.
- **CHAIRS NEEDED:** The venue is short on chairs. In order to help accommodate our guests we are asking members to bring one or two folding chairs, if you have any, with your name taped to the back.
 - **OLD RR MAGAZINES/BOOKS NEEDED FOR HANDOUTS:** Any quantity—clean out your shelves.
 - **DOOR PRIZE DONATIONS:** Any modeling materials, trains, layout items, equipment, tools, railroadiana, etc., you no longer want are much appreciated.

As usual, there will also be a white elephant table for anything you might want to sell, a model table to show off any completed or in-progress projects, door prizes, a 50/50 raffle, and of course, coffee, tea, donuts, and Philly pretzels. Come and join in the fun!

Afternoon layout tours are courtesy of the annual November Model Railroad Open House event. See “From the Editor” on page 2 for more information.

Successful Convention!

The 2015 “Delaware Valley Turn” Mid-Eastern Region Fall Convention is now history. By all accounts it was a rousing success. Look for a full report in the next issue of *The Dispatcher*.

The Philly Division stepped up to the plate to assist our New Jersey friends who put on a great convention. Many thanks go out to our members who served as volunteers and clinicians, and to those who hosted open houses and ops sessions. Please look for the appropriate forms on the NMRA website (or ask us for help) to keep track of your credits toward AP Volunteer or Author.

MER Tour Signs Need Returning

We'd like to thank those who were kind enough to open their layouts to the MER convention attendees. If you hosted a layout tour and received a sign, or if you will be in touch with someone who did, it would be most appreciated if you could either route the sign to a board member/official or bring it to the November meet so that these signs can be returned to the MER for use at the next convention.



RPM–Valley Forge 2016

Registrations are already coming in and vendors are signing up for RPM–Valley Forge 2016. Over 300 people attended in 2014. Think about joining us March 18–20, 2016 at the Desmond Hotel in Malvern, PA. Complete information can be found at the RPM website, <http://www.rpmvalleyforge.com>. You can also find the flyer in the online section of this issue. No electronic access? No problem. Send an SSAE to Paul Backenstose to receive all the info: 103 W. Uwchlan Ave., Downingtown, PA 19335.

We Welcome Our New Philly Division Members

James Davis, Philadelphia, PA
Martin Volk, Dover, DE



From the Editor...

November is model railroading month. Many of us are opening our homes and railroad spaces to the public during November as a part of the Model Railroad Open House event in Pennsylvania, Delaware, Maryland, and New Jersey. A detailed schedule and accompanying maps can be found on the Internet at www.modelrailroadopenhouse.com.

More than 125 layouts will be open to interested viewers spread over multiple dates and times. Kudos and our collective thanks go out to Delaware modeler and member Bruce Friedman for all he has done to make this yearly event a growing success.

After many years of successful organization and coordination, Bruce has turned over the organizational reigns of this event to well-known PRR modeler Jerry Britton. Starting in 2016, Jerry will be the central contact person for the event. Thanks in advance, Jerry!

A brief word about etiquette and security is in order:

1) Hosts should be aware of the fact that most of their guests are strangers. Although the model railroad community is known for its excellent conduct, one cannot be too careful. Be sure to have extra sets of eyes both in the layout room and in other parts of the house. It is suggested that a sign-in guest book be present to record visitors and that signs be present asking that models not be touched.

2) Visitors should be constantly aware that they are guests and observe all requests of the host. Many visitors bring children and need to be responsible for prudent supervision. It is customary to ask permission to take photos. It goes without saying that thanking the host is also customary!

I have gained abundant motivation by visiting these open houses over the years and now am one of the hosts. My hat is off to all who participate.

Enjoy... Earl



From the Super...

As the average age of model railroaders creeps toward that of senility, we need to look to the youth to carry on and sustain the hobby. And what better starting point is the Boy Scouts, who already have a Railroading merit badge. With this in mind, we have invited two troops to this November's meet with the program geared toward introducing them (and their parents) to the basics of model railroading, as well as providing a good review of basic skills and techniques for the rest of us.

I've recently signed up as a merit badge counselor for the Railroading, Engineering, and Model Building badges. You would be surprised that there are over 150 different merit badges. There are even ones for Dentistry and Architecture.

Speaking of merit badges, there are two sites in or near our territory that are running great programs for the Railroading merit badge. One is at the First State Model RR Club in Dover, Delaware. They will be at our November meeting in Wilmington to fill us in on what they do.

And then we have probably the most ideal venue to host a Railroad-ing merit badge at the Pennsylvania Railroad Museum in Strasburg. I had the honor of bringing my grandson and three of his fellow scouts there for their merit badges on October 17th. It turns out that the museum staffer who runs the event was shorthanded that day when 15 scouts and their parents showed up. So I was pressed into duty for my first taste of counseling.

There are a number of G-scale layouts that are set up to run the "timesaver" switching games, so I took a couple of groups through and showed them how to operate a throttle and figure out how to sort and pick up cars. Later, I helped them get ready for their written tests.

(continued on page 6)

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Official Publication of the
Philadelphia Division
National Model Railroad Association
www.phillynmra.org

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Submissions: THE DISPATCHER welcomes any model railroad- or railroad-related material. Members are encouraged to send in articles, letters to the editor, reviews, etc. The editor reserves the right to, when necessary, paraphrase small portions of the text in order to fit the space available.

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Modeling Pipe Loads

...by Dave Messer, MMR



Pipe loads are fairly common on railroads of most any era, typically shipped either in gondolas or on flat cars for large diameter pipes. However they are seldom modeled. Here are two types that are not difficult if you think it through. First pick a suitable car; I made gondola loads because they are more common and easier to model.

Plain Pipes (Figure 1)

Plain steel pipe is typically laid in trenches for transmission of oil or natural gas. These are modeled from soda straws as follows:

1. Select the number of straws that will load the gondola to a height of about twice the sidewalls. Using a piece of double-sided tape to hold the straws, spray primer and then a finish coat of black or gray, making sure to do the ends.
2. Make a "platform" of styrene or heavy cardboard that will fit the inside of the car, and paint it a weathered gray. Mount the straws on the platform with contact cement, leaving room on each side for the stripwood support stakes. When the glue dries add the stakes, which are sometimes (but not always) tied together at the top across the car, or use steel strapping around the load, simulated with 1/32" black Chart-Pak tape.



Corrugated Pipes (Figure 2)

Galvanized corrugated pipe is often seen at highway construction sites for drainage. These are modeled by using the textured foil from the top of Greek yogurt containers (!)

1. Slowly peel the foil off the plastic container and smooth it while wiping it clean.
2. Lay out and cut a 10' x 25' (for HO) piece from the foil.
3. Wrap the foil (plain side out) around a 4" carriage bolt with coarse threads and turn the bolt gently while squeezing the foil with your fingers to impress the corrugations.
4. Remove the bolt carefully and secure the edges of the foil with contact cement.
5. If needed, paint the inside of the ends with silver paint.
6. Mount the pipes on the platform as above. 🛠️



September Division Meet Report

...by Mark Wallace



This past Sept 19, 2015, the Philadelphia Division returned to the beautifully restored Quakertown Train Station in Bucks County, Pennsylvania. It was a warm, hazy, end-of-summer day.

Superintendent Joe Bergmaier welcomed the attendees and introduced the first of three clinicians, Jody Gontero, whose topic was airbrushing. First he discussed the different types of airbrushes, and then described his techniques, showing examples of models he either has painted or weathered. Jody hails from Emmaus and is a member of the Susquehanna Division.

Following Jody, Earl Paine, editor of the division's newsletter, *The Dispatcher*, was recognized for his years of service to the division with three framed photos of Reading Railroad scenes, followed by a hearty round of applause.



Sam Parker (left) receives his clinician certificate

Next, member Sam Parker narrated tours of his beautifully detailed HOn30 and On30 home layouts. The video "rides" were produced by division member Bill Fagan who has been capturing many of our layouts on video with his method of placing a camera on a car at the front of a train. The resulting "view from the cab" provides a unique perspective for the viewer as the train travels through the layout. And Sam's modeling mastery was clearly evident from these videos. This was yet another fine example of members sharing with members.

Finally we were treated to another of Ramon Rhodes's interesting and entertaining clinics: "Railroading Down South: The BNSF Birmingham Subdivision."



Superintendent Joe Bergmaier greets the gang

(continued on page 6)



Tortoises! These rugged turnout motors have been in the hobby for years and will hopefully be so for years to come. Despite recent competition from servos and other robotic mechanisms, Bluepoint, and other manual throws, as well as various copycat geared motor throws, the Tortoise is still going strong and available for purchase today, albeit at a cost approaching the \$20 mark.

Being on a budget, I am always on the lookout for used equipment and recently the search paid off. Through my round robin group, I lucked into and/or purchased over 50 used Tortoises (Tortae?) for my layout. Many had served for years under others' layouts and were in obvious tough shape but I am happy to report that all 50 were quickly restored to proper working order and have been given a new lease on life beneath my layout. You can't kill them!

This article details how I use them in various configurations on my layout with an eye towards spending the least amount of money possible. Many of these installations allowed me to fit them in tight spaces using several homemade mechanisms.

Crawling beneath the layout... to install things makes me grumpy, so I endeavored to mount the machines so that they were accessible from the top of the layout or at least the front edge. This was not always possible, and there were still some that were mounted under the turnouts in the traditional position (thanks, Rob Ischinger!), but most were jury-rigged to meet my easy access needs.

In addition, wherever possible, a single Tortoise was connected to throw two or more turnout points which saves additional money. Examples of this include crossovers and interlocked turnouts. The following sections describe some of the methods I used:

Money Saving Materials Used in the Installations

- * Mid-sized paper clips to replace expensive piano wire for vertical throw installations
- * Old, wire coat hangers to replace longer piano wire mechanisms. These are tough to find in the stores because plastic hangers have replaced them. A call to my neighbors, however, netted enough of the older wire ones to last me a lifetime!
- * Small pieces of 3/16" Masonite scraps which I usually throw out
- * 1/4" x 3" bolts and nuts (or similar) that I had lying around the bench
- * Small horseshoe-shaped metal electrical staples

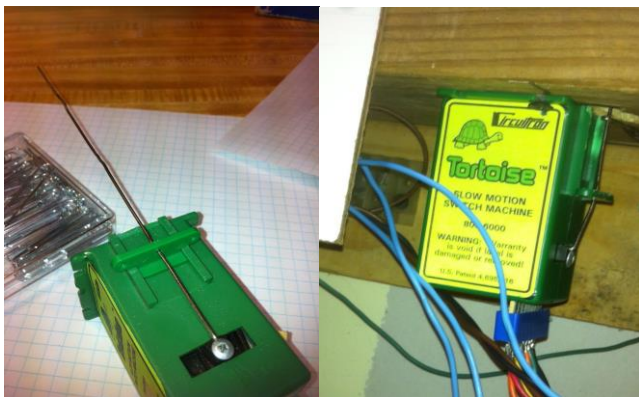


Figure 1 - A paper clip is bent straight and used to replace the wire throw rod. The resulting wire is strong enough to function through 3" of sub-roadbed. The wire is easily bent to adjust the throw.

Installation #1 – Traditional mount (Figure 1)

The throw wire on the machine is replaced by an inexpensive paper clip easily unbent and straightened out into a single 6" length. Flat-nosed pliers are used to remove any kinks. A small, 90-degree bend is made in the end of the wire to allow its insertion into the moving arm of the Tortoise through the normal pivot. This replaces the weak wire that comes with the machines, which most modelers do away with anyway. The hole in the throw mechanism needs to be widened slightly with a drill bit to fit the thicker paper clip. The stock screw can be reused to secure the new wire. The paper clip wire is easily bent for adjustments after installation, yet is strong enough for most situations. It is also easy to cut to length after installation.

Installation #2A – Above the layout next to (or near) a single turnout being driven (Figures 2-3-4-5 on following page)

This installation uses the Tortoise mounted upside down or sideways near the controlled turnouts. The intent is to hide the machines inside structures or behind removable scenery so that they can be exposed for any necessary maintenance. Using unbent, coat hanger wire mechanisms, the machine can be located a substantial distance from the turnouts. I regularly mount the machine on the other side of scenery backdrops.

The normal throw wire is removed and the coat hanger wire is inserted directly into the actuator. This is commonly seen on many layouts in staging yards. It is easy to bend a "strain relief loop," if needed, in the wire to adjust strength and distance of throw.

Masonite triangles, which pivot on metal screws, are used to transfer force 90 degrees where needed. Electrical staples are installed to keep throws in place. The triangles can also be used to multiply or diminish force or distance in

certain situations. This idea was borrowed from the model airplane control mechanisms used by the aircraft modelers. The photos and captions show the details of the installations.

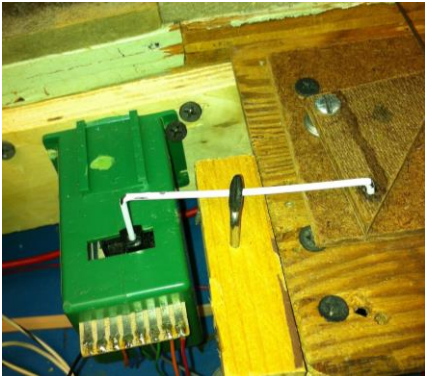


Figure 2 – Machine mounted sideways. Coat hanger throw bar. Electrical staple used to keep the throw in place.

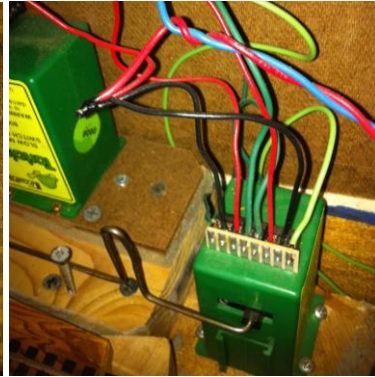


Figure 3 – Upside-down mount with coat hanger throw wire. Note loop bent in throw for strain relief.



Figure 4 – Masonite triangles are 1.5" on the matching sides.

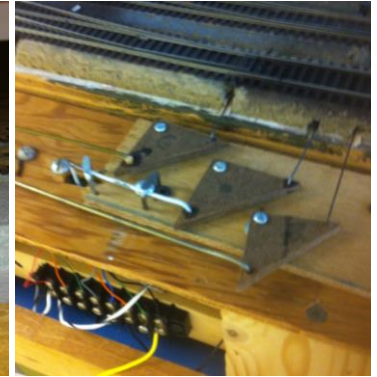


Figure 5 – Examples of triangles used to change direction of throw with hold-down staples.

Installation #2B – Above the layout powering multiple turnout points (Figures 6-7-8-9 below)

This installation uses multiples of the same Masonite pieces cut into the shape of triangles to transmit mechanical force in a different direction (see “Installation 2A” on previous page and above). A single Tortoise can drive up to three turnouts depending on the situation. Linkages can be connected across more than one pivot triangle. In addition I have also inserted two coat hanger throws into a single Tortoise where applicable.



Figure 6 – Double coat hanger wires into a single Tortoise. A washer was used to retain both wires into a single enlarged hole in the actuator.

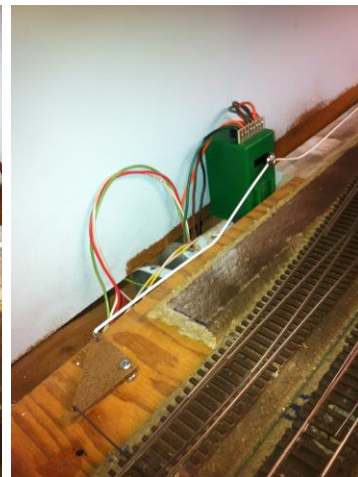


Figure 7 – Pulled back view of figure 6. Single Tortoise driving a crossover. Coat hanger wires are bent to fit the situation.



Figure 8 – Use of multiple triangles to control multiple turnouts. Scenery has been removed.



Figure 9 – Tortoise moved back with wire running below roadbed. Triangle connected to other multiple throws (to the right of photo - not shown).

Installation #3 – Sideways at the aisle edge mount (Figures 10-11-12-13 on following page)

In this method, the Tortoise is mounted in a sideways position below the sub-roadbed where under layout access is restricted. A makeshift clamp is used to secure and adjust the Tortoise. A piece of Masonite is cut into a rectangle approximately 3½" x 1½". Two ¼" holes are drilled 2½" apart to accept 2 of the 3 inch bolts with the nuts glued to the bottom of the rectangle. Two holes are drilled in the layout 2½" apart, and the bolts are inserted through the sub-roadbed into the rectangle which acts as a sling to hold the Tortoise in place. The two bolts are tightened from above the layout to clamp the Tortoise between the bottom of the sub-roadbed and the Masonite rectangle. An oblong hole is cut into the sub-roadbed to allow a short piece of coat hanger wire to protrude up from the actuator hole below. This protruding wire is attached to the triangle mechanisms, which are placed to serve the individual points.



Figure 10 – Assembled clamp using 3"x 1/4" bolts. Nuts are cemented to Masonite.



Figure 11 – Tortoise insert- ed into the clamp ready for mounting.



Figure 12 – Bolts inserted through the layout clamping Tortoise in place.



Figure 13 – Actuator wire protrudes up through the oblong hole in sub-roadbed.

One year report:

The installations described in this article have now been in place for over a full year. There have been minimal mechanical adjustments needed to any of the installations during that span. As is evident in the photos, each installation is different as required for each location, but they all share the same materials and mechanical linkages. The cost savings have been impressive. 🛠️

MORE PHOTOS PERTAINING TO THIS ARTICLE ON PAGE 16 ONLINE

From the Super *(continued from page 2)*

The museum is a great venue because they took the scouts and the parents on tours and showed them the top, bottom, and insides of different engines, cars, and cabooses. At the end, all the scouts (and I) got a special merit badge from the museum plus the completed paperwork so the scouts could get their official badges from the BSA Council. Great day and I look forward to doing it again. If anyone is interested in working with the Boy Scouts please let me know.

Hope to see you all in November. – Joe

September Meet Report *(continued from page 3)*

Ramon likes to model based on present-day railroading, and the BNSF, short for “Burlington Northern & Santa Fe,” is his favorite railroad. In addition to showing prototype trains currently in operation, he presented several large, coal distribution facilities for power production found in the Deep South that consume essentially all that coal mined in Wyoming. When modeled to scale, any of these facilities could rival a steel plant or similar manufacturing industry in size and complexity.

The meeting closed with the award of the 50/50 raffle as well as door prizes to various members in attendance.

Saturday afternoon featured two fine layouts that were located a short driving distance from our meet location: The Coopersburg Area Society of Model Engineers (CASME) and John Werten’s layout in Perkasio.



Dispatcher Editor Earl Paine (right) recognized for his years of dedicated service to the division

A gracious thank you to the Quakertown Train Station Historical Society for allowing once again to meet at their comfortable and friendly station. Thanks also to our speakers Jody, Sam, and Ramon, to the layout hosts, and of course, to all of our attendees. We hope you had fun.

Our next get-together will be at the Brandywine Town Center in Wilmington, Delaware on November 21st. Further details can be found elsewhere in this issue and at the event listing on our division’s website at <http://www.phillynmra.org>. See you then! 🛠️

MORE MEET PHOTOS ON PAGE 13 ONLINE

November Meet Directions

The **Brandywine Town Center** is a large shopping complex located on an “ell”-shaped piece of property near the intersection of the Concord Pike (U.S. 202) and Naamans Road (Del 92). You may remember this as the former site of a race track. One leg of the “ell” joins the Concord Pike. The other leg joins Naamans Road. The complex includes the Regal Cinema, Lowe’s, Michael’s Arts & Crafts, Target, and many other stores. The main structure is surrounded by a maze-like parking lot which, in turn, is surrounded by a road which circles the perimeter.

The Center’s **Community Building** (our meet location) is a separate structure with a prominent central atrium. It is located next to a large decorative fountain, on the south side of the complex near the Naamans Road entrance.

From Concord Pike (U.S. 202) going south – a fraction of a mile south of the PA/DE state line, turn left into the Brandywine Town Center (the marker is the sign for Lowe’s and Target, among others). Follow the perimeter road in either direction until you see the Community Building (near the decorative fountain).

From I-95 going south – at the state line, there is a three-way split – I-95, I-295, and Naamans Road (Del 92). Stay to the extreme right, and take the exit to Naamans Road. At the top of the ramp, turn right (west) on to Naamans Road. After a little over four miles, turn right into the Brandywine Town Center (it is opposite Shipley Road, which comes in from the left only). Turn right on to the perimeter road, and then left into the parking lot near the Community Building (which is near the decorative fountain).

Painting Quik-tips

...by Dave Messer, MMR

- Regardless of the type of paint you are using, surface preparation is critical for proper paint adhesion: For any smooth surfaces, follow the advice of Steven Funaro to remove oils from handling—and especially mold release residue on resin kits—by spraying with Shout (yes, Shout stain remover), brushing gently with an old toothbrush, rinsing with water, and letting air dry prior to painting.
- Note: With the demise of Floquil/Polly Scale and (apparently) Scalecoat, as well, I suggest switching to Tru-Color, a growing line of paints that spray beautifully using acetone as a solvent (available at Home Depot or Lowe’s).
- When you are finished painting, clean your brush or run the appropriate solvent through the airbrush, and then complete the process with Windex (yes, Windex, but the original formula, not with ammonia or the non-drip version). The solvents and detergents in Windex will remove any paint residue from the airbrush and leave brushes clean and soft.
- Finally, wipe off the neck and rim of the bottle with a cloth before closing the cap to prevent dried paint buildup.

FACTOID ! 2015 marks the 100th year that the Pennsy main line between Center City, Philadelphia and Paoli has been under catenary and running electric commuter MU trains. This innovative method of powering trains not only increased passenger capacity, but reduced the number of shorter steam locomotive commuter trains, eliminated their line-side coaling or water supply facilities, and increased running times, as well as bringing about the character of the “clean and neat” suburban community we all know today. Although the Pennsylvania RR is long gone, SEPTA and AMTRAK both continue to use and reap the benefits of that electrification. ~ **Mark Wallace**

MODELING TIP ! When storing locomotives in their boxes, lay the box sideways to allow the locomotive to rest on its wheels. This will prevent any lubrication from running out the side of the locomotives that sometimes occurs when they are normally stored for long periods of time in their boxes. ~ **Bob Rule**

Planning Ahead – Division Meet & Regional Event Schedules

November 21, 2015 Philadelphia Division Meet Brandywine Town Center Wilmington, DE	January 9, 2016 New Jersey/Philly Division Joint Meet Haddon Township High School Westmont, NJ	March 18–20, 2016 RPM–Valley Forge Desmond Hotel Malvern, PA
April 2, 2016 Philadelphia Division Meet Elkins Park Train Station Elkins Park, PA	May 6–8, 2016 East Coast Santa Fe Modelers Meet Delaware Valley College Doylestown, PA	May/June, 2016 Philadelphia Division Meet TBA

Check <http://www.phillynmra.org/regional-timetable> for links to these and other upcoming events.

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**4325 Wendy Way
Schwenksville, PA 19473**

Inside:

- November Meet Info
- Tortoise Installations
- Modeling Pipe Loads
- September Meet Report
- Upcoming Events

Do you need to renew? If the date on your mailing label is highlighted, please renew promptly. Thank you for renewing promptly.

Discounts for Division Members at Local Hobby Shops

Be sure to patronize the area's hobby shops that are now offering discounts on model railroading purchases to members of the Philadelphia Division.

Iron Horse Hobby Shop

60 S. 6th St. in Reading
10% discount with \$10 min purchase

Joe's Train Station Hobby Shop

21 East Street Road
Feasterville-Trevoze, PA 19053

Lin's Junction

128 South Line St.
Lansdale, PA 19446
5% in addition to already discounted prices

Nicholas Smith Trains

2343 West Chester Pike (PA-3) in Broomall
10% discount (excludes O & G items)

J & D Whistle Stop

106 East Broad Street
Quakertown, PA 18951
15% discount on non-sale items

**VIEW THE DISPATCH ONLINE IN FULL COLOR! ADDITIONAL ARTICLES, PHOTOS,
ANNOUNCEMENTS & EVENTS, SALE ITEMS & ORDER FORMS, NMRA NEWS, AND MORE!**

Philadelphia Division of the NMRA, Inc.

(A Nonprofit Organization)

Financial Report

for the Year Ended June 30, 2015

Respectfully Submitted by Howard Kaplan, Treasurer

STATEMENT OF ACTIVITIES

INCOME

MER Dues Rebate	\$266
Non-dues Program	71
Fundraising	66
Interest	58

TOTAL	<u>\$461</u>
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EXPENSES

Program	\$1,277
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TOTAL	<u>\$1,277</u>
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NET LOSS	<u><u>(\$816)</u></u>
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STATEMENT OF FINANCIAL POSITION

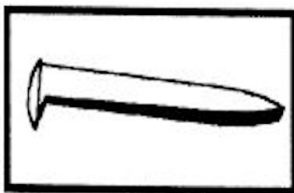
ASSETS

Cash and Cash Equivalents	\$26,845
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TOTAL	<u>\$26,845</u>
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FUND BALANCE	<u><u>\$26,845</u></u>
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TOTAL LIABILITIES AND FUND BALANCES	<u><u>\$26,845</u></u>
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ACHIEVEMENT PROGRAM GOLDEN SPIKE AWARD APPLICATION FORM

PLEASE COMPLETE THIS APPLICATION FORM AND SEND TO YOUR REGIONAL OR DIVISIONAL AP CHAIR

Member's Name: _____ NMRA#: _____ EXP: _____

Address: _____ City: _____

State/Prov: _____ Country: _____ Postal Code: _____

Date Submitted: _____ Region: _____

The Golden Spike Award will be awarded to any NMRA member who has completed the Qualifications Checklist, obtained the necessary signatures and who does not hold MMR status. It will be administered by the regional and divisional AP Chairs. AP regulations and definitions apply for scratch building and super detailing. To qualify for the award the member must complete the following checklist, obtain the signature of the divisional AP Chair or another NMRA member designated by the divisional Chair. The divisional Chair will submit the signed form to the regional AP Chair who will issue the Golden Spike Award certificate.

QUALIFICATIONS CHECKLIST:

1. Rolling Stock (Motive Power & Cars):

Display six units of rolling stock either scratch built, craftsman kits or super-detailed commercial kits.

2. Model Railroad Setting (Structures & Scenery)

Construct a minimum of eight square feet of layout including scenery.

Construct five structures either scratch built, craftsman kits or super detailed commercial kits. If a module has less than five structures, additional structures separate from the scene may be presented.

3. Engineering (Civil & Electrical)

Three types of track required (e.g. turnout, crossing, crossover, etc.). All must be properly ballasted and installed on proper roadbed. Commercial track may be used.

All installed track must be properly wired so that two trains can be operated simultaneously (e.g. double track main, single track main with sidings, and block or command control).

Provide one additional electrical feature such as power operated turnouts, signaling, turnout indication, lighted buildings, etc.

Witness: _____ Print Name: _____ NMRA #: _____

Regional AP Chair: _____ Region: _____

Division Shirts & Patches



DIVISION SHIRT/PATCH ORDER FORM

The shirt is the Port Authority *Silk Touch* polo, a black, cotton/polyester knit with the division logo patch on the left chest and, if you desire, your first name embroidered on the right chest. The shirt is lightweight, comfortable, and virtually wrinkle-free. Shirts and patches may be ordered at most meets or anytime by mail or PayPal. Multiple orders for non-identical shirts should be placed on separate forms.

Name: _____ Phone: _____

Address: _____ Email: _____

City, State, Zip: _____

Circle Shirt Size: S M L XL @ \$16 2X @ \$18 3X @ \$20 Quantity: _____

First Name added? No Yes @ \$3 ea. Name as you'd like it to appear: _____

Check one: _____ First shirt shipped FREE + \$2 each additional _____ Pick up at future meet

Note: Shirt includes a patch already ironed and sewn on.

Additional Patches @ \$3 each Quantity: _____ _____ Shipped @ \$1 for 1-2 \$2.50 for 3 or more
Note: Patches have an iron-on backing (free shipping with shirt order)

Total: \$ _____ Make check or money order payable to: **PHILA DIV NMRA**

Signature: _____ Date: _____

Mail to: **Philly Division Sales, 620 Edmonds Ave., Drexel Hill, PA 19026**

Info/Questions: **610-626-4506** phillynmra@gmail.com We accept PayPal – email for invoice.

See our website for more information: www.phillynmra.org

The Next National Convention



<http://www.nmra2016.org/>

Delmarva Model Railroad Club Annual Holiday Open House

Great fun for the whole family!

Come see over 8,000 sq.ft. of operating train layouts.

Z Scale, N Scale, N-Trak Modules, HO Layout, S Gauge, O Gauge Tinplate,
O Scale Lionel, and LGB (G gauge).

Free Admission – Free Parking

103 East State Street, Camelot Hall, 2nd floor Delmar, DE 19940.

Next to St. Stevens United Methodist Church

2015-2016:

Saturday, Nov 28th from 11am - 4pm

Sunday, Nov 29th from 12pm - 4pm

Saturday, Dec 5th from 11am - 4pm

Sunday, Dec 6th from 12pm - 4pm

Saturday, Jan 2nd from 11am - 4pm

Sunday, Jan 3rd from 12pm - 4pm

Saturday, Jan 9th from 11am - 4pm

Sunday, Jan 10th from 12pm - 4pm

More information at: www.delmarvamodelrailroadclub.org

or like us on facebook: <https://www.facebook.com/DMRRC!>

Or contact: 302-856-9250 or 410-723-1709

Additional Photos from the September Meet

Photos by Mark Wallace



**Jody Gontero holds up a sample airbrush
in the presentation of his clinic**



**Ramon Rhodes describes present-day
BNSF operations in the Deep South**



Attentive attendees



Ramon Rhodes (left) receives his clinician certificate



Jody Gontero with his clinician certificate



Goodies for sale on the white elephant table

Scenes from John Wertan's Model Railroad

Photos by Howard Kaplan



Scenes from the Coopersburg Club (CASME)

Photos by Howard Kaplan



Around the Division

Send any news announcements or photos for "Around the Division" coverage in *The Dispatcher* to the editor!

(Contact information located on page 2)



Another successful layout gate on Mark Kessler's layout



Member Ray Machler railfanning on Mark Kessler's layout



Member Bill Fagan preparing to video Mark Kessler's layout



Division Clerk Mark Wallace (left) operates on Mark Kessler's layout



Wayne Hetrick (left) shows off his new layout efforts to Bill O'Connell. Look for future coverage of this layout.



Future model railroaders (editor's #1 and #2 grandsons) learning to OS trains

Railroad Prototype Modelers Valley Forge

An NMRA Sponsored Event

March 18, 19, 20, 2016

at the

**Desmond Great Valley Hotel & Conference Center
Malvern, PA**

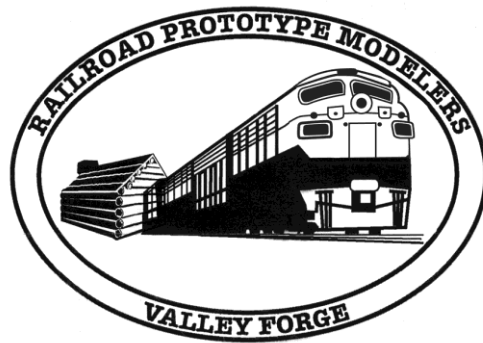
**Thursday night &
Friday Operating Sessions**

Clinics

Model Displays

Vendor Rooms

Sunday Home Layout Tour



**Information & Updates
RPMValleyForge.com**

or

Paul Backenstose

103 West Uwchlan Ave.

Downingtown PA 19335

(Please include an SASE for a reply)

registrar@rpmvalleyforge.com or (610) 269-2763

Interested in Presenting a Clinic?

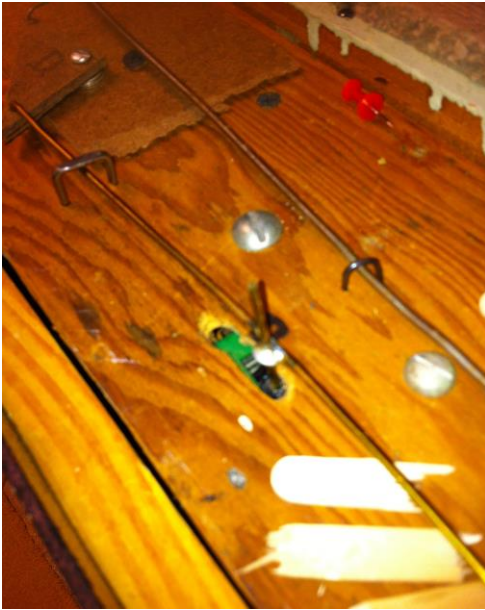
Jim Dalberg

clinics@rpmvalleyforge.com or (610) 648-0089

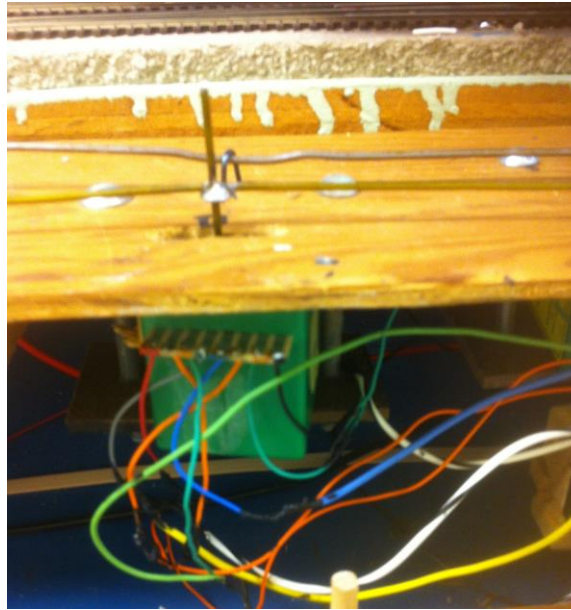
Vendor Information

Steve Salotti

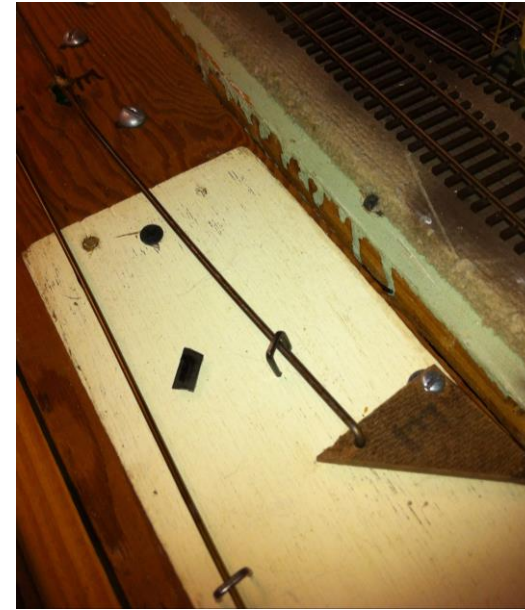
vendors@rpmvalleyforge.com or (610) 489-1940



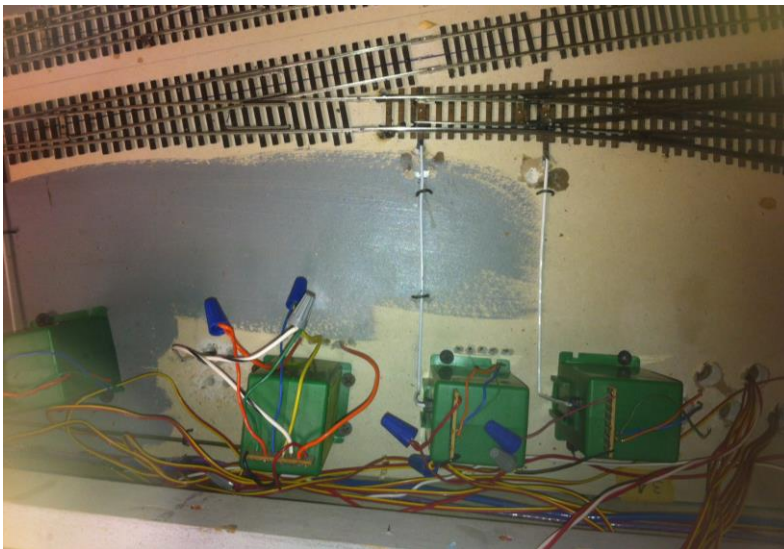
Close up of vertical 1" coat hanger wire inserted into Tortoise mounted underneath. Coat hanger wires are easily soldered.



Another close-up of vertical throw linkage. Vertical wire was later shortened to clear the scenery, which covers the mechanism (scenery removed in this photo).



Hold-down staples have caused minimal friction to impede throwing motion. Wires are merely inserted into holes in the triangles.



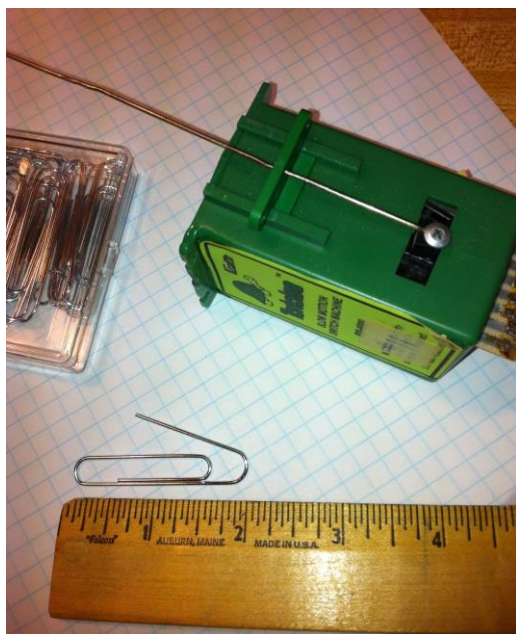
Overhead shot of Tortoises mounted upside down with coat hanger throw mechanisms, which directly drive turnout throwbars.



Close-up photo of under-layout clamp designed for installing Tortoises on their sides.

Additional photos from Tortoise article

Additional photos from Tortoise article...



Upper left – Close-up of paper clip throw wire after insertion into Tortoise. Middle-sized paper clips (which measure 2”) are required. Smaller clips are not strong enough. Larger clips were overkill and not needed.



Lower left – Close-up (behind a backdrop) of coat hanger wires bent to match Tortoise actuator holes. Wires can be inserted into Tortoise up to 1/2”. Most do not need screws inserted into actuators.



Right – Complete installation of coat hanger throws at a three-track interlocking. Tortoises are mounted in the sideways slings below plywood. 7 Tortoises were used to throw 12 turnouts. Entire area lies beneath a 2” terrain area made of pink foam (removed).



BULLETIN

November/December 2015

Stay up to date on the Indy convention!



Open your calendar, advance to next year, and mark these dates: July 3rd through July 10th, 2016. The location

will be Indianapolis, Indiana, and the activity will be the *Highball to Indy, 2016* NMRA National Convention and 2016 National Train Show. The convention and train show will be held in downtown Indianapolis where quite a few attractions, sports arenas, museums, shopping, and restaurants are within walking distance of the convention hotel. Let your family members know these opportunities exist — they may wish to join you at the convention. Check out the *Highball to Indy, 2016* website for further information at www.nmra2016.org/

We have recently added information about housing to the NMRA2016.org website. Folks have been asking whether there will be a special room rate at the Westin Hotel and we are pleased to note the convention rate will be \$119 for a single/double room. As noted on the website, the reservation process has not opened yet. Please watch for details to be posted closer to the end of calendar year 2015 for directions on reserving space in the beautiful Westin Hotel, Indianapolis. Continue to check back often to keep up-to-date with additions to the 2016 website.

If you use social media, there are other ways to keep current on planning for *Highball to Indy, 2016* (HTI, 2016). For those of you on Facebook, search for nmra2016 and "like" us. We also have a Twitter presence. Just search for @nmra2016.

Registration for *Highball to Indy, 2016* continues to be open. Instructions detailing the registration processes are available on the nmra2016 home page. Choose a method and click on the appropriate link printed below
REGISTER TODAY!

A few words from the President



Model Railroad Month in the 21st Century

November has traditionally been "Model Railroad Month." Not that you would notice, as our hobby has receded in the public mind. But that public disinterest is nothing new. Indeed, from the space race of the 1960's onward, model trains have been viewed by some as "quaint" or hopelessly

outdated.

We know better and slowly, so does the public. The September "Newsmax" magazine featured a major story on the technical advances in model railroading. From DCC to LCC and even Power on Board, the article covered the tech revolution that has occurred in our hobby over the past few decades. I recently screened a new documentary film, "[Model Citizens](#)," on model railroading produced by Sara Kelly. The film is well done and may re-awaken the public's interest in miniature trains. [Ed. note: the NMRA made a Kickstarter donation to the making and completion of this film.] Today's hobby is vastly different from the one I discovered in December 1961.

In those primitive days, my first engine, a tender-drive HO Tyco General 4-4-0, barely lurched around the circle of brass snap-track, powered by a rudimentary 12-volt transformer. The buildings were vacu-formed Blackman Wild West main street false fronts in garish colors. The scenery consisted of a combination of Life-Like trees and lichen bushes all on a grass mat. (You know, I can still smell that grass mat's distinctive odor.) *Model Trains* magazine opened my eyes to a world of possibilities beyond that beginner's train set and soon I was scratchbuilding a yard office out of Strathmore paper, and a grain elevator out of balsa wood. I still have that yard office. My first layout was inspired by an E.L. Moore article and built on a 5 foot by 9 foot ping pong table. It was horrible...but it was mine. And it ran, after a fashion, with primitive block wiring.

Since then, the hobby has changed remarkably and for the better. Today, advances only hinted at in the early 1960's such as "independent" train control are taken for granted. Digital sound and now the promise of Layout Command Control enhance the realism and ease of wiring. Each year it seems we enjoy some new advance increasing our enjoyment of the hobby and making our efforts more realistic. How ironic these advances come at a time when the hobby itself is threatened by changing social mores. Today, the competition for our attention has grown exponentially and any activity fights for attention. The internet has become omnipresent, and while it vastly improves our access to information, it also vastly occupies our limited time. I have written long and hard about the challenges we all face, so no more this time. Because, in spite of those challenges, we are all having a great time with the hobby and my only frustration lies in the fact more folks are not joining us.

So this month coming, enjoy the hobby and maybe, just maybe, see if you might find a friend or colleague who may be interested. The best way to grow the hobby is to show the hobby. That is what Model Railroad Month is all about. And yes, Model Railroading is fun!

Those are my thoughts; what are yours?

[Charlie](#)

Firm up your plans so you, too, can
Highball to Indy!

Use eBay to help the NMRA

by [Alan Anderson](#), NMRA Fundraising
Department Chair



It's time for a refresher
and update to the eBay
program mentioned in
the June 2013

NMRA Magazine, "Buy
and Sell on eBay." Some web
addresses have changed, eBay and
PayPal have become separate
companies and they've made it easier
to donate to your favorite charity not-for-
profit such as the NMRA.

eBay has a program called GivingWorks
that allows users to make charitable
contributions to a non-profit organization
such as the NMRA. When you list
something to sell, you can choose to
donate from 10% to 100% of the selling
price to the NMRA. eBay will then
discount your final listing fees by the
same percentage. So if you sell a
locomotive for \$100 on eBay and
donate 10% to the NMRA, your buyer
pays \$100, you receive \$90 and the
NMRA receives \$10. Then eBay will
discount your final listing fees by 10%.

Just log in to your eBay account using,
<http://givingworks.ebay.com> and select
"For sellers" on the left column. If you
haven't searched for and selected the
NMRA as your favorite charity, and you
should, you can do that the first time
you log in and it will associate your
account with the NMRA every time you
log in. You can change it at any
time...but why would you?

Sure you can sell train items. But
anything you sell - including cell
phones, printer toner, and artwork - can
benefit the NMRA.

Smile...Amazon purchases can benefit the NMRA

by [Alan Anderson](#), NMRA Fundraising
Department Chair



The holidays are
near, which means
much shopping.

While some or most of your holiday
shopping may be done online there is
an opportunity to donate to the National
Model Railroad Association when you
shop at Amazon. Here's how it works.

When you shop on Amazon, visit the
new Amazon portal:
smiles.amazon.com. It's the same

Slate of candidates for the 2016 NMRA elections

by [John Stevens](#), NMRA Secretary

The 2016 Slate of Candidates is as follows:

Atlantic District Director

Peter Bowen
Kathy Millatt

At Large Worldwide Director

Mike Brestel
Bob Ferguson

Western District Director

Steve Barkley
Don Fowler
Stephen Priest

19th century model loco donated to the NMRA

A major donation was recently made by Reid Dennis to the NMRA museum
collection. This donation consists of a Smithsonian-quality, scratchbuilt, 1-
inch scale, 19th century live steam 4-4-0 locomotive originally built by Eli
Whitney's grandson. Accompanying the model is an original 19th century
lithograph of the prototype.

The model is a magnificent addition to the museum and is housed in a
Victorian wood and glass case. Reid has kindly agreed to maintain the
model until we can transport it for our use.

The NMRA would like to publicly thank Reid for his generosity.

Andy Sperandio, longtime fixture at Model Railroader, dies

From Model Railroader editor Neil Besougloff, October 3, 2015

With a heavy heart, I'm sad to report that Andy Sperandio, who has been a
part of our lives at *Model Railroader* magazine for more than 30 years, has
died.

As some of you know, Andy had been fighting cancer and other ailments,
and the combination finally caught up with him earlier today.

Andy started work at *Model Railroader* in 1979, becoming editor in 1993. In
time he became executive editor and upon retirement a few years ago
became a contributing editor. Readers today are most familiar with Andy
through his monthly "The Operators" column.

DCC is still alive and well

by [Gerry Leone](#), HLM, MMR

There have been several questions and issues raised about Layout
Command Control (LCC) in regard to the "Frequently Asked Questions"
article I put together that ran in the September issue of NMRA Magazine."
Apparently some of the more electronically knowledgeable members
thought I was bashing the current DCC standard by saying it was somehow
inadequate or antiquated.

It is not. DCC still remains an excellent choice for locomotive control on a
layout. It was designed to control trains and continues to do that job
admirably. No one should be concerned that DCC is about to become
obsolete.

Amazon that you know and love. The Smiles page is where you can shop like you normally do with Amazon, except a portion of the sales price will be directed toward a non-profit of your choosing. There's no additional cost to you. The sales price isn't increased and there are no other fees added to the price. Amazon merely takes 1/2-percent of the purchase price and submits that amount to the NMRA.

1. When you purchase online at Amazon, use <http://smiles.amazon.com> to visit the same website you already know and love.
2. Select the NMRA as your favorite non-profit. You can change it at any time and it will remember your selection each time you log in. This box is on your screen in the center beneath the search box. Type in "National Model Railroad Assn" and verify it is the Soddy Daisy, TN address.
3. Shop, buy, ship the Amazon way. You will know who your purchases support on their home page.

And best of all, AmazonPrime is supported for expedited shipping.

As you shop this holiday season, remember the NMRA as you shop at smiles.amazon.com

Correction



The August/September 2015 NMRA eBulletin incorrectly identified Mike Bartlett as the re-elected Australasian Region

Director, when in fact he's the newly re-elected Pacific District Director. Sorry, Mike!

::

Editors:
[Gerry Leone](#), MMR, HLM, and [Chuck Diljak](#)

However, if you're running a layout that needs a control bus to handle signaling, automation, or animation, the better choice would be to use one of the dedicated layout control systems...like LCC. That's what it was designed for.

DCC and LCC will work hand-in-hand, with DCC handling loco control, and LCC handling everything else. LCC is a new standard that has the potential to make our layouts - and our hobby - even better.

Boxcars...we have boxcars!

By [John Stevens](#), NMRA Secretary and National Scout Coordinator

Earlier this year, a member contacted the NMRA about donating a large quantity of undecorated Roundhouse HO AAR and Plug Door Box Car Shells. The shells were not complete kits, but included roof walks, trucks, and underbody detail. They didn't include wheels, couplers, and underframes. The donor wished to give them to the NMRA for use in Education Department clinics such as airbrushing, weathering, and decaling. I am employed as a B737 Captain by a major airline and had a trip already planned to the city where the donor lived, so I made arrangements to see exactly what he was offering.

The donor runs an eBay business out of his house and had a large supply of decorated and undecorated shells. He was in the process of moving from California to Oregon and didn't think it would be financially feasible to move the shells, so he contacted the NMRA about a donation. Not only would the shells be helpful in Education Department clinics, but with a little work, could probably be useful as make-and-takes for BSA Railroading Merit Badge Programs. After the Portland Convention I picked up the cars and drove them to my house. They are now safely stored in my basement.

The shells are now available to the membership through the NMRA Company Store - find them on the list on the left side. There are four choices available, based on four shipping box sizes I chose. The quantities are approximate. There are two styles of shells and each box contains some of both styles along with a corresponding number of roof walks. To get a box, you'll have to enter a credit card number, but there's no charge for the shells, and thus, no charges will be added to your card. Remember, these shells are meant for clinics about airbrushing, weathering, and decaling.

I'm still working on making the shells workable for make-and-takes. You'll hear more about this project as it progresses.

Region and National Conventions

(Only those Regional conventions occurring in the next three months are listed)



Jul 3-10

[NMRA National Convention, Indianapolis, IN](#)

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The NMRA eBulletin is an official bi-monthly production of the National Model Railroad Association, Inc. Publishing Department ([Don Phillips](#), Manager). Its purpose is to keep every NMRA member informed about organization news and events. If you know of an NMRA member who is not receiving this mailing, please direct them to [here](#) to update their email address. If you no longer wish to receive these mailings, please don't mark them as SPAM. Instead, click the Safe Unsubscribe link at the bottom of this page. ©2015 National Model Railroad Association, Inc., P.O. Box 1328, Soddy Daisy TN 37384.

Master Model Railroaders



566: Leon Bangma, LSR
567: Rev. Dr. Vern Cracknell, AR
568: David Latham, AR
569: Gordon Geiger, PSR
570: Paul Chandler, PSR

In Future Issues of NMRA Magazine



- Judging the contest
- Drop-in Scenery
- A switch derail
- Oregon Coast Mining & Timber RR

East Coast Santa Fe Modelers 2016 Meet May 6-8, 2016

To date, the board has scheduled noted Santa Fe author Robert Walz, who has offered a wealth of possible presentations, and Kevin Loof.

Kevin will give presentations on the 1959 Rose Bowl Train and modeling techniques. Kevin is an expert at structure design, laser cutting, 3D printing, and modeling. His N-scale model of the Raton Depot won Structures 1st Place and Best of Show at this past summer's SFRH&MS convention.

Additional presenters are being invited.

Mike Davis
ECSFM, Treasurer

Holiday Season Model Railroad Open Houses

November 2015-March 2016

To see this schedule in grid form, click [HERE](#)

Note: The grid is in Adobe pdf format.

If you don't already have the Adobe reader, you can get a free download [HERE](#).

Abington Lines Model Railroad Club

Admission Free - Donations Appreciated

Location: 2066 Second Street Pike (PA Rt 232), Richboro, PA 18954 (2 miles north of PA 332, on the right)

Phone: (215) 598-7720

Website: <http://www.abingtonlines.org>

Scale: HO (standard, narrow gauge & traction)

Information: Come see multiple trains with digital radio control and sound, operating on our 20' x 60' two-track mainline exceeding 1,000 feet in length. Enjoy the scenery depicting the PA rolling hills. Marvel at our trolleys, life-like villages, detailed buildings, operating roundhouse, industrial switching areas and waterfront complete with rail car ferries. Also enjoy our extensive narrow gauge section with old time operating engines.

Open 12-4pm on Dec. 5 & 6, 12 & 13, 26 & 27, Jan. 2 & 3, 9 & 10, Feb. 6 & 7, 13 & 14.

Burlington County Model Railroad Club

Admission Free - Donations Appreciated

Location: Basement (right side), Burl. Co. Footlighters Playhouse, 808 Pomona Rd, Cinnaminson, NJ 08077

Phone: (856) 733-0010

Website: <http://www.bcmrc.org>

Scale: HO

Information: We call our miniature railroad the Rancocas Valley Lines, which is appropriate for this area. We represent portions of a railroad that goes from tidewater to mountains, running through the typical stations and industrial areas of a large city, then countryside, while serving industries. We run 5-8 trains simultaneously on a double-track mainline along with several other trains operating in various yards. Come and see the progress on our expansion project, more than doubling our layout!

Open 12-5pm on Nov. 28 & 29, Dec. 5 & 6, Dec. 27 (Sun. only), Jan. 9 & 10, 16 & 17, Feb. 13 & 14, 20 & 21.

Coopersburg Area Society of Model Engineers - C.A.S.M.E.

Admission Free - Donations Appreciated

Location: Basement of Borough Building, 5 North Main St., Coopersburg, PA 18036

Phone: (215) 538-0501

Website: <http://www.casme.org>

Scale: HO

Information: Our layout dimensions are 35' x 44' and when finished, there will be in excess of 3500 feet (58 scale miles) of track and over 100 switches. A computer-assisted dispatching program using JMRI software, controlling our Digitrax DCC system, allows up to 12 trains to be operated through beautiful scenes and past operating signals over the layout.

Open 12-5pm on Nov. 28 & 29, Dec. 5 & 6, 12 & 13, Jan. 2 & 3.

Cheltenham Hills Model Railroad Club

Admission Free - Donations Appreciated

Location: 8000 Old York Rd. (Route 611) Elkins Park, PA 19027 (located in the old train station)

Phone: (215) 635-9747

Website: <http://www.cheltenhamhillsmrr.org>

Scale: HO

Information: Come join us for our 65th year! Come see the 1750 feet of track, the 300-car freight yard and the steam and diesel engine facility. Our operating lift bridge allows trains to cross between parts of the layout. Our modern control system allows us to run 6 to 8 long trains with realistic sounds; sometimes very long ones. We also switch cars in the main yard and among custom-made buildings. We can provide wheelchair accessibility by appointment. Please call any Thursday evening to schedule this access.

Open 12-4pm on Dec. 12 & 13, Jan. 9 & 10, 23 & 24; snow dates Jan. 30 & 31.

Keystone N-Trak

Admission Free - Donations Appreciated

Location: Dublin TEC Center, Suite 216, Rear Entrance, 123 N. Main St. (Rt. 313), Dublin, PA **New Location!**Website: <http://www.keystonentrak.us> Scale: N scale

Information: Keystone is a modular N Scale club modeling to N-Trak international standards. This enables each member's modules to link to form model railroads at public and private events. We travel to various N Scale events and are a participating member of the Eastern N Lines Partnership. New members are always welcome. Meetings are every Tuesday at 7 p.m.

Open 11am to 4pm on Nov. 14 & 15, Nov. 21 & 22, Dec. 19 & 20, Jan. 9 & 10, 16 & 17, 23 & 24, 30 & 31.

Open Tuesday nights Nov. 3, 10, 17, 2015, 7-9 p.m.

Royersford Modular Model RailroadersAdmission Free (see note below)
Donations Appreciated

Location: Multiple (see schedule below for locations, dates, and times)

Phone: (610) 888-4306 Website: <http://www.royersfordmodular.org> Scale: HO

Information: Movable modular railroad layout, on display at multiple locations again this season.

Dec. 12 & 13 (10a.m.-4p.m.) [Greenberg's Show](#) at The Greater Philadelphia Expo Center, 100 Station Drive, Oaks, PA.Jan. 16 & 17, 18 (Monday), 23 & 24 (12-4p.m.) at [Phoenixville YMCA](#), 400 East Pothouse Road, Phoenixville, PA.

We hope to add at least one other show - please see the web site for additions or changes.

There is an admission fee to enter the Greenberg's show, which also includes other layouts and vendors.

Open: See [web site](#) for additional details of dates, times and locations.**Schuylkill Valley Model Railroad Club**

Admission Free - Donations Appreciated

Location: 400 South Main Street (rear entrance), Phoenixville, PA 19460; diagonally across from Library

Phone: (610) 935-1126 Website: www.svmrrc.com Scale: HO (standard and narrow gauge)

Information: Scale model trains run through realistic wooded Pennsylvania scenery featuring logging, bridges, tunnels and Tony the Tank Engine on the Philadelphia to Reading point-to-point system. There are 4 different railroads depicted on a 1,000 square-foot layout. Hundreds of buildings, vehicles, figures and trees create realistic scenes. Great for kids of all ages. Numerous buttons allow visitors to bring scenes to life!

Open 1-5pm on Nov. 28 & 29, Dec. 5 & 6, Jan. 9 & 10, 16 & 17, 23 & 24

Saint Alban's Railroad Fellowship - StARR

Admission Free - Donations Appreciated

Location: Saint Alban's Episcopal Church, 3625 Chapel Rd. Newtown Square, PA (Under Thrift Shop)

Website: <http://www.StARR-MRC.org> Scale: HO

Information: Modular layout fills 4000 square-foot area with 200 feet of 4 track mainline with working signals, 3 branch lines, steel mill, coke plant, oil refinery, meatpacking plant and three working classification yards. We have a unique custom waybill system for freight and passenger operations that routes over 1000 pieces of equipment throughout the system. A large variety of roads and eras are featured. The layout is controlled by DCC with computer enhancement.

Open 1-4pm on Nov. 7, 28 & 29, Dec. 26 Jan. 3, 16 & 17, 30 & 31, Feb. 13 & 14, 27 & 28.

Note: Dates for all club open houses are Saturdays and Sundays unless otherwise noted. Not responsible for errors or omissions in the schedules. Dates and times subject to change without notice. In case of inclement weather, please verify directly with the club whether their shows will run as scheduled.

Holiday Season Model Railroad Open Houses - November 2015-March 2016

Converted for the web by Fred Monsimer of Royersford Modular Model Railroaders
Copies may be made for personal use and non-commercial distribution.
version 1.0 posted 2015-Oct-07