



Volume 7, Number 1

January 2023

The NMRA's *Turntable* is a monthly publication which, like a railroad turntable, will lead you in several directions on the internet.

This e-publication is a collection of railroad and model railroad videos, podcasts, websites, and/or other information freely available on the internet that we think may be of interest to you. The NMRA claims no ownership of this information, nor do we endorse its creators or their websites. The *NMRA Turntable* will not promote individuals or their for-profit ventures.

Lighting Your Layout

| | | |
|--|----------------------------|------------------------------------|
| <p>LDSIG Design and Construction Clinic</p> | | <p>Color Rendition Index (CRI)</p> |
| <p>Lighting Your layout - Presented by Bill Neale</p> | | <p>LED Valance Lighting</p> |
| <p>Valance Lighting with LED Strip Lights</p> | <p>Lighting Strategies</p> | |

Lighting Your Layout

Layout Design Special Interest Group - Design and Construction Clinic - Lighting Your Layout presented by Bill Neale, MMR®.

MCR Division 8 Online Clinic

Stephen Priest
November 19, 2022

Class One Model Works

TEST MODEL

OUR MARKET

WHERE WE FISH
1 MILLION ACTIVE MODEL RAILROADERS

CURRENT GENERATION NEW GENERATION

FINISHED TWF10

AT THE OFFICE

Class One Model Works

Stephen Priest, MMR®, tells us all about the "new" Class One Model Works model railroad manufacturing company. A bit of history about how the company came to be in its present state, how the manufacturing process (from initial concept to final product) works, and what to expect in the very near future!

Freight Car Stencilling



**A GUIDE TO
FREIGHT CAR STENCILLING**

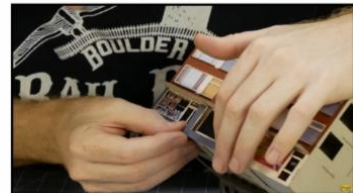
Presented online at Railway Modellers Meet of B.C. May 2021

By
Timothy J. Horton

Freight Car Stencilling

Want to know what all that stencilling on freight cars means? Would you like to learn how to stencil freight cars more accurately? This video will share information on prototype freight car stencilling and how to ensure accurate stencilling for your models.

Paper Kit Model Build



Paper Kit Model Build

Taking an already amazing paper building kit and turning it into an Ultra Realistic scene that could be mistaken for an actual location!


This is a laser cut paper model from Markenburg. Their kits not only look amazing, but they are very easy to put together and with a bit of extra detail and weathering they look extremely realistic.

Hybrid Modeling an HO Gondola

Coast eClinic

NMRA/PCR Coast Division

Hybrid Modeling an HO Gondola Using 3D Printing and Traditional Materials



In this Coast eClinic, Earl Girbovan shows how he is using a new filament printer to print gondola cars for a project. The cars are a mix of 3D printed and traditional materials.

Need to Build ~ 8 Gondola/HopperCars
All the same, but different

Earl discusses his attempts to model more in 3D printing and the issues with filament printing.


Completed Model

3D Printed Underframe
Stripwood deck, stakes and sides
Easy to glue up

Revised Underframe Design

Photo from Shogun.com

Hi res photo from Library of Congress.

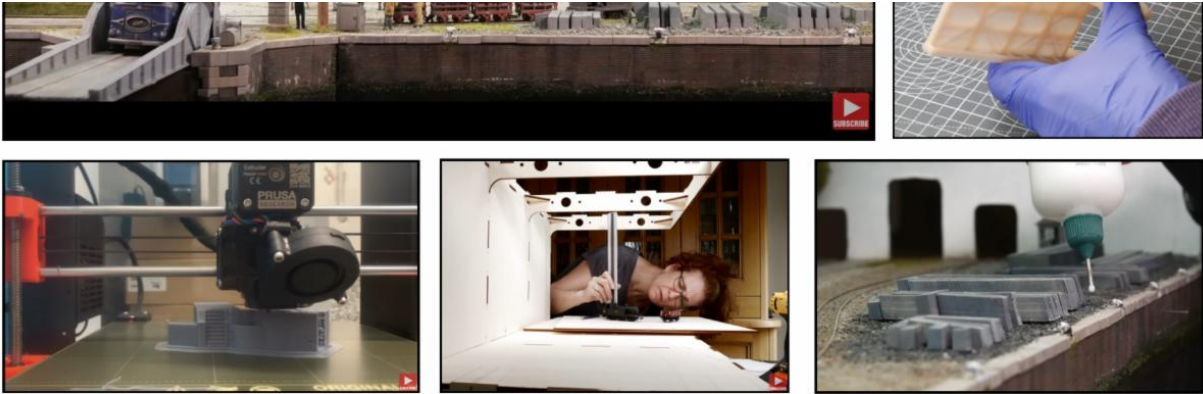


Hybrid Modeling an HO Gondola

Earl Girbovan, MMR®, does a clinic about a new project using a 3D printer to print a set of HO gondolas. In the end the final build is a hybrid of 3D printed framing with natural materials for finished surfaces. During the clinic, Earl discusses using a filament printer to print floor and side boards and why he decided to use wood for those components.

8 Week Model Railway Build





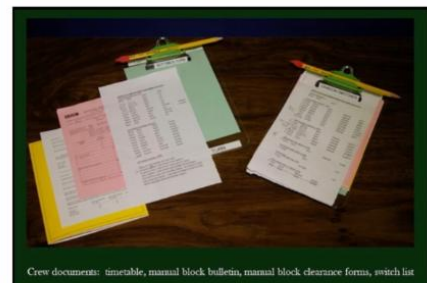
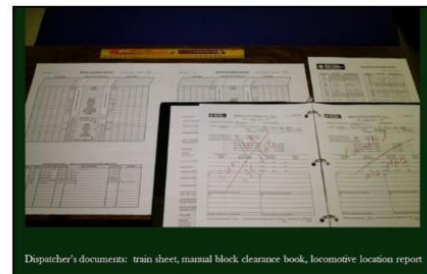
8 Week Model Railway Build

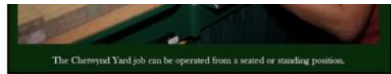
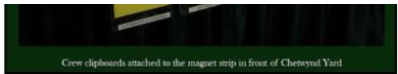
Port Dinorwic is a micro-model railway set in a Welsh slate dock on the last day of mainline steam in 1960. It features OO standard and OO9 narrow gauge track with all 3D printed buildings and details.

Hornby's "A Model World" TV show will feature this layout on the first episode of series 2 on "Yesterday."

This micro-layout took 8 weeks, and Kathy Millatt, MMR®, shot over 2 days' worth of footage! It has been featured in 11 livestreams on her channel and has now been edited down to under 20 minutes!

Layout Operations 2018-2021





Layout Operations

An overview of operations on Timothy J. Horton's N scale layout depicting the British Columbia Railway's Dawson Creek and Fort St. John Subdivisions from 2018 to 2021.





Tips For Better Modeling

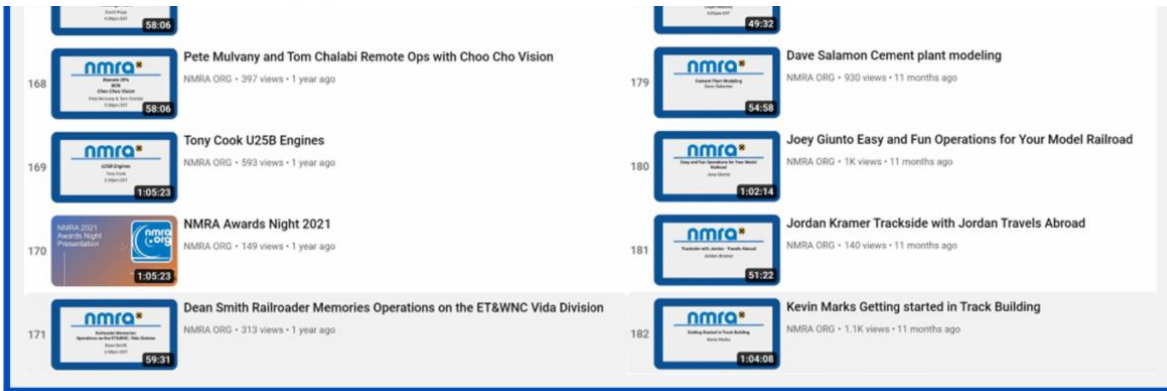


Tips For Better Modeling

Lone Star Region Master Model Railroaders® Duane Richardson and Jeff Palmer show how judging your models for contests and merit can improve your skills.

NMRA-X CLINICS

| | | | |
|-----|--|-----|---|
| 166 |  Christandri Roth Railfanning Namibia NMRA ORG • 298 views • 1 year ago | 177 |  Ralph Renzetti Chipped Paint with Wax Paper NMRA ORG • 442 views • 1 year ago |
| 167 |  David Popp Weathering Rapido's New Haven Passenger Car NMRA ORG • 676 views • 1 year ago | 178 |  Lloyd Henchey Building the Historic Contoocook Covered Bridge NMRA ORG • 528 views • 1 year ago |



These are but a few of the many NMRAx clinics available for viewing on our YouTube Channel!

Cincinnati Division 7, Mid-Central Region



Cincinnati Division 7 Limited Edition Car

Using Accurail's 2200 Series ACF 2-Bay Covered Hopper as the basis, we are offering it in a Norfolk & Western repaint scheme. These cars are N&W class HC-46 and are from an original batch of fifty built by in 1966 by ACF with the Round Herald paint scheme. Subsequently some cars went through a general maintenance program and were repainted in the block N&W livery. Photos were found showing at least three of these cars (road numbers 170753, 170768 and 170794) were reweighed at some later date because that area is "patched out" on the car with the new data displayed. Those same photos place these three cars as being in service in 1992 and 2004. It is these three, highly unique, road numbers that Cincinnati Division 7 is now offering for sale as limited edition kits.

Pricing is \$25 per car, or a 3-car set at \$70. Shipping (via USPS Priority) is \$9.45 for one car and \$17.10 for two to three cars. Ohio residents, please add 7.8% sales tax on the total price of the kits and the shipping/handling fee. Customers outside the USA, please [contact us](#) for shipping arrangements and charges.

To order, please send your [email and phone](#) information along with a [check or money order](#) in US dollars, payable to Cincinnati Division 7, MCR, NMRA, to:

Cincinnati Division 7 Car Projects
 c/o Paul Macielewicz
 9151 Congress Court
 West Chester, Ohio 45069

Division 7 Limited Edition Car

Getting Started in Operations



Eric Smith
 Operations SIG Board of Directors
 Editor, *The Dispatcher's Office*

Getting

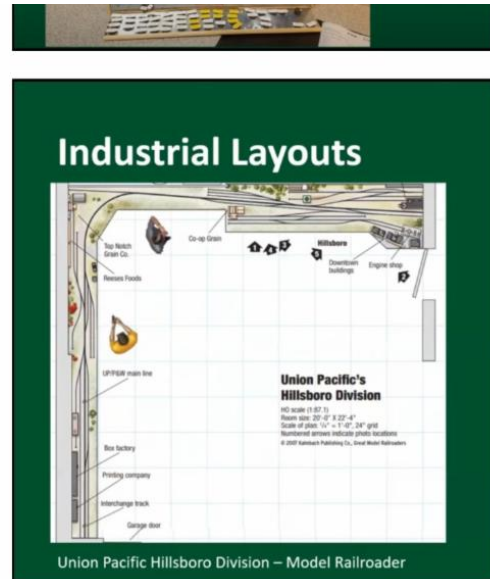




Getting Started in Operations

Car Management Options

| Industrial CAR ORDER | Industrial PICKUP ORDER |
|---|--|
| 40' Boxcar | 40' Boxcar |
| Deliver To: Allegheny Milling Spot 2 | Pick up at: Allegheny Milling Spot 2 |
| When car has been delivered, place this card in box labeled: SETOUT | Forward car to: Harrisburg |
| After car is gone, TURN card, then place in box labeled: UNFILLED ORDERS | |
| West Valley Union RR | West Valley Union RR |



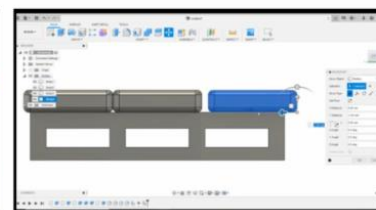
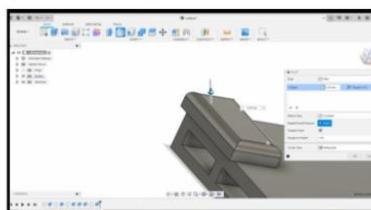
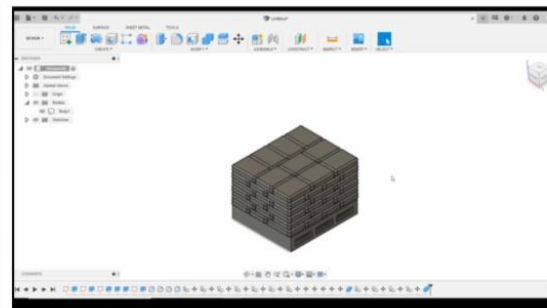
Getting Started in Operations

In this video recorded for the Southeastern Region of the NMRA, Eric Smith talks about getting started in model railroad operations on your railroad, no matter how big or small your layout is. Apologies for the participant window on the screen, luckily it doesn't obscure the slides. If you'd like a copy of the slide deck, email editor@opsig.org and he'll get it sent out to you.

Fusion 360 Tutorial for Drawing 3D Model Railway Scenery

Lesson 29

Drawing a pallet of bags of cement that you could use for wagon loads or scenery items








Drawing Model Railroad Scenery

A series of tutorials teaching you how to use Fusion 360 to be able to draw items ready to 3D print for your Model Railway.

In today's lesson Carl White shows you how to create a pallet loaded with bags of cement or sand.

In the next lesson in this series, you will be shown how to draw a Portacabin.

The Use of Mirrors on a Model Railroad Layout

| | |
|---|---|
| <p>HIDING THE BACKSIDE OF A MIRROR</p> <p>THIS DOESN'T LOOK GOOD! IT NEEDS TO BE HIDDEN APPROPRIATELY.</p>  | <p>THIS LARGE MIRROR ON THE DRY GULCH & WESTERN EFFECTIVELY HIDES A ROOM CORNER WHILE PUNCHING A 2 FOOT BY 6 FOOT HOLE IN THE WALL. THIS ALLOWS THE MOUNTAIN SCENE TO DECEPTIVELY CONTINUE.</p>  |
| <p>PLACEMENT ANGLE</p> <p>NEVER PLACE A MIRROR AT AN ODD ANGLE WHEN A STRUCTURE WILL BE REFLECTED IN THE MIRROR. THIS WILL MAKE THE STRUCTURE AN ODD SHAPE. STRUCTURES SHOULD BE PLACED AT EITHER 90 DEGREES OR PARALLEL TO A MIRROR FOR BEST RESULTS.</p>   <p>EVEN JOHN ALLEN FELL VICTIM</p> <p>A BETTER REFLECTION</p> | <p>STRUCTURE PLACEMENT</p> <p>IF A STRUCTURE WILL BE REFLECTED IN A MIRROR IT SHOULD BE PLACED PARALLEL TO THE MIRROR SURFACE.</p>  |

The Use of Mirrors

David Yadock, MMR®, describes some of the common issues with using mirrors on a layout and then compares them to the correct methods of using mirrors. David will show lots of examples from his own layout where he uses mirrors in clever ways to give the appearance of large spaces.

David is the NMRA Achievement Program manager for the 4D PNR, so if you are a member of the PNR and are interested in pursuing a Golden Spike or a Master Model Railroad certificate in the 4D PNR, please contact David.

This video was recorded May 19, 2022, from the Eastside Clinic of the 4th Division, Pacific Northwest Region, of the National Model Railroad Association, aka 4D PNR of the NMRA.

Athearn Genesis SD90MAC

UP and ex-UP/NS with Tsunami 2 Sound

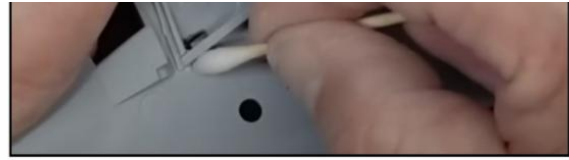
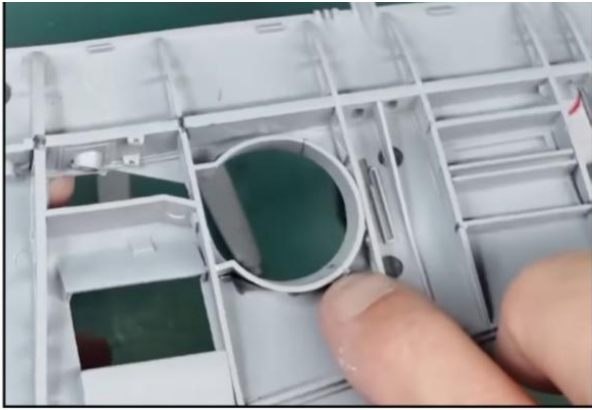


Genesis 2.0 SD90MAC

In this video, James Wright reviews Athearn's the Genesis 2.0 SD90MAC locomotives with Tsunami 2 sound in both Union Pacific and Norfolk Southern's ex-Union Pacific paint schemes.

Filling Seams For Beginners

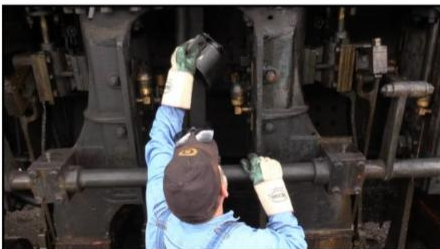




Filling Seams For Beginners

In this video Nigel of *Nigel's Modelling Bench* will show you how he deals with seams using different modelling products. He then moves onto removing the different products to see the varying results. You may notice that this is an airplane model, however filling in a seam or a gap applies to any model.

The Cass Scenic Railroad



Cass Scenic Railroad

This is probably one of the most beautiful rail lines of the eastern United States. Plus, there are displays and museums here that are nothing short of incredible!

How a Diesel-Electric Loco Works



How a Diesel-Electric Loco Works

Peer deep into the workings of a heavy-haul freight locomotive, rendered in full 3D!

Model Railroad Meetup With New Tracks Modeling





Model Railroad Meetup

This week *New Tracks Modeling* will feature Tom Ferrel with his series "Scratchbuilding a Layout", and Philip Crews, owner of Miniatures By Philip, is building one of his structures.

They also will have 2 build alongs in this episode; Bill Davis building the Walsh/Duncan Bay Window House by Berkshire Valley Models, and Jess Dozier building the Log Boat at Lane Deer Mill by Hangman Creek Diorama.



Continuing Special Segments:

- Tips and Tricks with Henry Primas
- Scratchbuilding Bits n Pieces with Gary Shurgold
- Workshop Tips & Tricks with Bob Davidson
- NMRA Divisions and Local Clubs

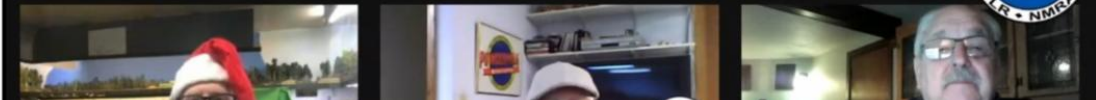

TLR-Twin Cities Division Discussion About Operations

**Report from the TCD
North Metro MRR Club session**

**Plus: What happens at your first Operation session
and what happens when you host your first session**



StreamYard





Discussion About Operations

Discussion about operations. A recap of an operating session at the North Metro Model Railroad Club. Special guest Heath from *HumanityJunction* joins the guys to talk about his first ever operating session.

As it happens, Heath has just run his second operating session and has some comments on how that went in this video: "Nothing Goes as Planned | Operations on the Riverside Transfer" which can be found [here](#).

Heath says: "I had high hopes for my second operations session on the Riverside Transfer, but my experience did not pan out as expected. This video is a Live Stream edit highlighting my fight with my layout, locomotives, turnouts and anything and everything that could go wrong. Is this a bloopers video?"

NMRA's Partnership Program



PARTNERSHIP PROGRAM

NMRA members can log in and click on the **Benefits** tab to view the **NMRA Partnership Program**. Please patronize all of our partners for some fantastic discounts as an NMRA member!

| | | |
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| <ul style="list-style-type: none"> Bear Creek Model Railroad, LLC Building Your Model Railroad CatzPaw Innovations Clever Models, LLC Coastmans Scenic Products Colorado Model Railroad Museum CMR Products, LLC Daylight Sales (Merchandise) Deepwoods Software Deluxe Materials Dikeijs Dwarvin Enterprises, Ltd East Coast Circuits Feight Studios Gatorfoam Great Decals! | <ul style="list-style-type: none"> K.I.S.S. Method, Inc. LaBelle Woodworking Co. LARC Products Logic Rail Technologies MAC Rail Micro-Mark Mine Mount Models miniprints MinuteMan Scale Models Model Railroad Benchmark Model Train Catalogue Modelers Decals & Paint Motrak Models MRC (Model Rectifier Corp) Nick and Nora Designs Northlandz NScale Works by Mike Holly Old West Scenery | <ul style="list-style-type: none"> Scale Model Plans Scalecoat Paint Scenery Solutions Showcase Miniatures Team Track Models The N Scale Architect The Old Depot Gallery Tichy Train Group Touch of the Brush Model Weathering Train Installations, LLC Train Show, Inc. Trainmasters TV/Model Railroad Hobbyist Store TRAINZ.com TSG Multimedia UGEARS Unreal Details |
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Green Frog Productions
HobbyWorx Tools & Supplies
Hot Wire Foam Factory

Ram Track
RR-CirKits
Rusty Stumps

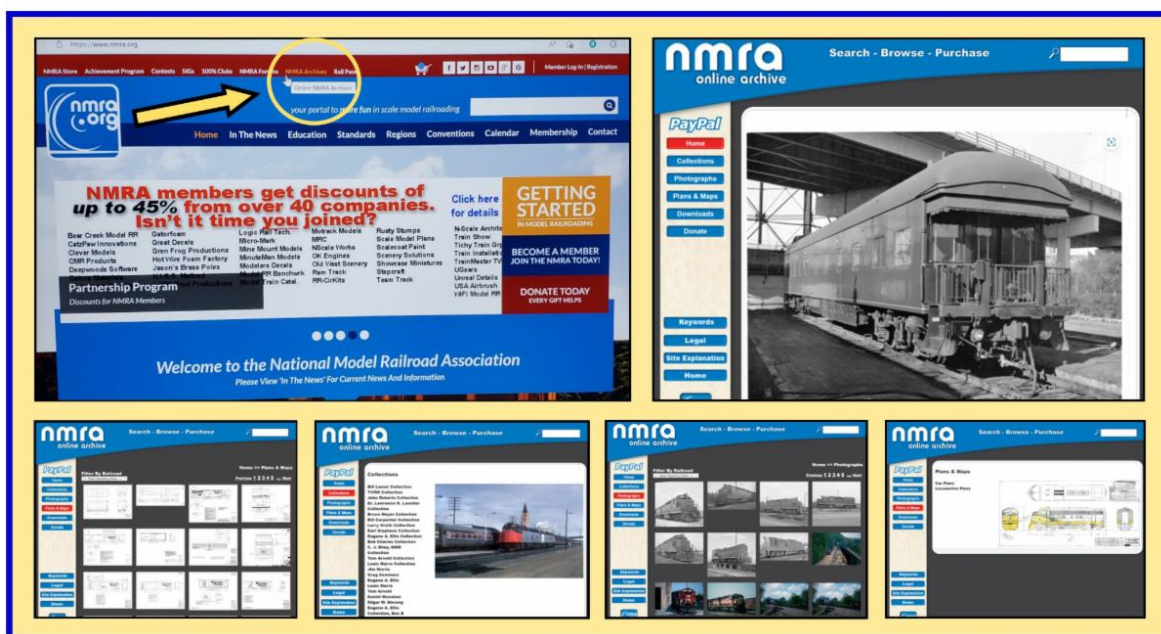
USA Airbrush Supply/
Badger Airbrush
WiFi Model Railroad, LLC

[New Partners in RED*] Jan 2023

Partnership Program

The NMRA Partnership Program is a member benefit that truly has a tangible payback. We've partnered with model railroad manufacturers of all sizes, giving them exposure on our website in return for receiving generous discounts for NMRA members all year long. Some provide members with special codes, others prefer a phone or email order, but all appreciate the additional business from our members. And of course, our members appreciate the extra savings...savings that can actually pay the cost of NMRA membership! Be sure to check back often as new Partners are being added all the time.

NMRA ONLINE ARCHIVES



NMRA ONLINE ARCHIVES

On your computer, the link above will take you to the NMRA's website (you do not need to login) which will bring you to the home page. At the top of the page in the red bar are the words: NMRA Archives which, by clicking on that, will take you to the NMRA Archives webpage.

Over 100,000 railroad related items have been donated to the NMRA over

the last 60 years. The NMRA Board of Directors, as steward of these collections, has looked for ways to make the archive more accessible. In the summer of 2010, the Diamond Club was established by the Board to provide funding needed to scan the NMRA's photographic and drawing collection and to create a website to display the scanned documents.

The images on this website are organized by type of original media and then by equipment or structure type. The images have metadata included, so the web archive is searchable. There is a list available on the website of the keywords used to classify and organize the images. There is also a list of railroad reporting marks provided on each page of thumbnails to help further refine searches.

Clicking on an individual image presents a more detailed view with additional metadata shown, when available. Placing your cursor over the detailed view will produce a magnifying glass effect, with even greater detail displayed. Full resolution image files, up to 5,100 pixels wide at 300 dpi, can be purchased online via PayPal. Once a purchase is completed, a link will be emailed with the instructions for download.

Miles Hale, MMR[®] Teaches Lionel Strang About Yard Crew Hand Signals





Yard Crew Hand Signals

This is but one of many videos located in the **NMRA Video Library** on the NMRA website where this video will be found. (You will need to log onto the NMRA website to get here.) Once you are in, type **Switchman's List** in the search box under the word **Title** and click on **Search** to get to this video. You can also just scroll through the pages to see what else may be of interest to you.

Switchman's List was produced by *TrainMasters TV Video* and features **NMRA Master Model Railroader® Miles Hale** teaching Lionel Strang about Yard Crew hand signals that were used on the prototype.

Many of these videos have been donated to the NMRA by *Model Railroader VIDEO Plus*, *TrainMasters TV Video*, and *The Model Railroad Academy*, along with a few from other sources.

Previous issues of the **NMRA Turntable** are available on the Turntable Archives page. You must first log in as a member at: nmra.org After you are in the members-only section, then you must hover over 'Publications' on the menu bar, then 'NMRA Turntable', and then click on one of the list of back issues.

Editor: [Paul Voelker, HLM](#)

Executive Editor: [Rick Coble](#)

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