



virtual model railroad convention

# GatewayX

## Convention Guide

July 12 2020    July 18 2020



## NMRAx Team



**Gordy Robinson**  
Orkney, United Kingdom  
NMRAx Manager



**Martyn Jenkins**  
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NMRAx Technical Lead



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New S. Wales, Australia  
NMRAx Video Editor



**Speed**  
Texas, USA  
NMRAx Clinic Scheduler



**Jordan Kramer**  
Ohio, USA  
NMRAx Host





# Get Involved with GatewayX

We would really like you to interact with our convention, so in addition to the live streams with live questions and answers we will also be encouraging participation through social media to match our daily convention theme. Follow our guide to your posts below and we'll cover some of the best during the daily roundtable and between clinics.

## ***Sunday July 12 2020 – My First Layout***

Post a tip for others use hashtag **#tip**. Share a picture or video of your first trainset or layout **#train**. Give a shout out to your mentor who helped you **#mentor**

## ***Monday July 13 2020 – Structures & Scenery***

Post a tip for building great structure or scenery use hashtag **#tip**. Share a picture or video of your work **#train**. Give a shout out to your mentor who helped you **#mentor**

## ***Tuesday July 14 2020 – Locomotives & Rolling Stock***

Post a tip for improving locomotives or rolling stock use hashtag **#tip**. Share a picture of your locomotives or rolling stock **#train**. Give a shout out to your mentor who helped you **#mentor**

## ***Wednesday July 15 2020 – Layout Design***

Post a layout design tip use hashtag **#tip**. Share a picture of a track plan **#train #layoutdesign**. Give a shout out to your mentor who helped you **#mentor**

## ***Thursday July 16 2020 – Painting & Weathering***

Post a tip for others to use hashtag **#tip**. Share a picture of your work **#train #weathered**. Give a shout out to your mentor who helped you **#mentor**

## ***Friday July 17 2020 – Model Railroad Technology***

Post a tip for beginners use hashtag **#tip**. Share a picture of your first trainset or layout **#train**. Give a shout out to your mentor who helped you **#mentor**

## ***Saturday July 18 2020 – Model Railroad Operations***

Post a tip for starting model railroad operations use hashtag **#tip**. Share a picture of an op session **#train**. Give a shout out to your mentor who helped you **#mentor**

Help us find your post by using hashtag **#nmrax #modelrailroad** in your post plus a hashtag from above, always try to include a video or picture in your post and tag the NMRA social media account in your post, we are present on Twitter, Facebook, Instagram & YouTube.



# Viewing the Steam

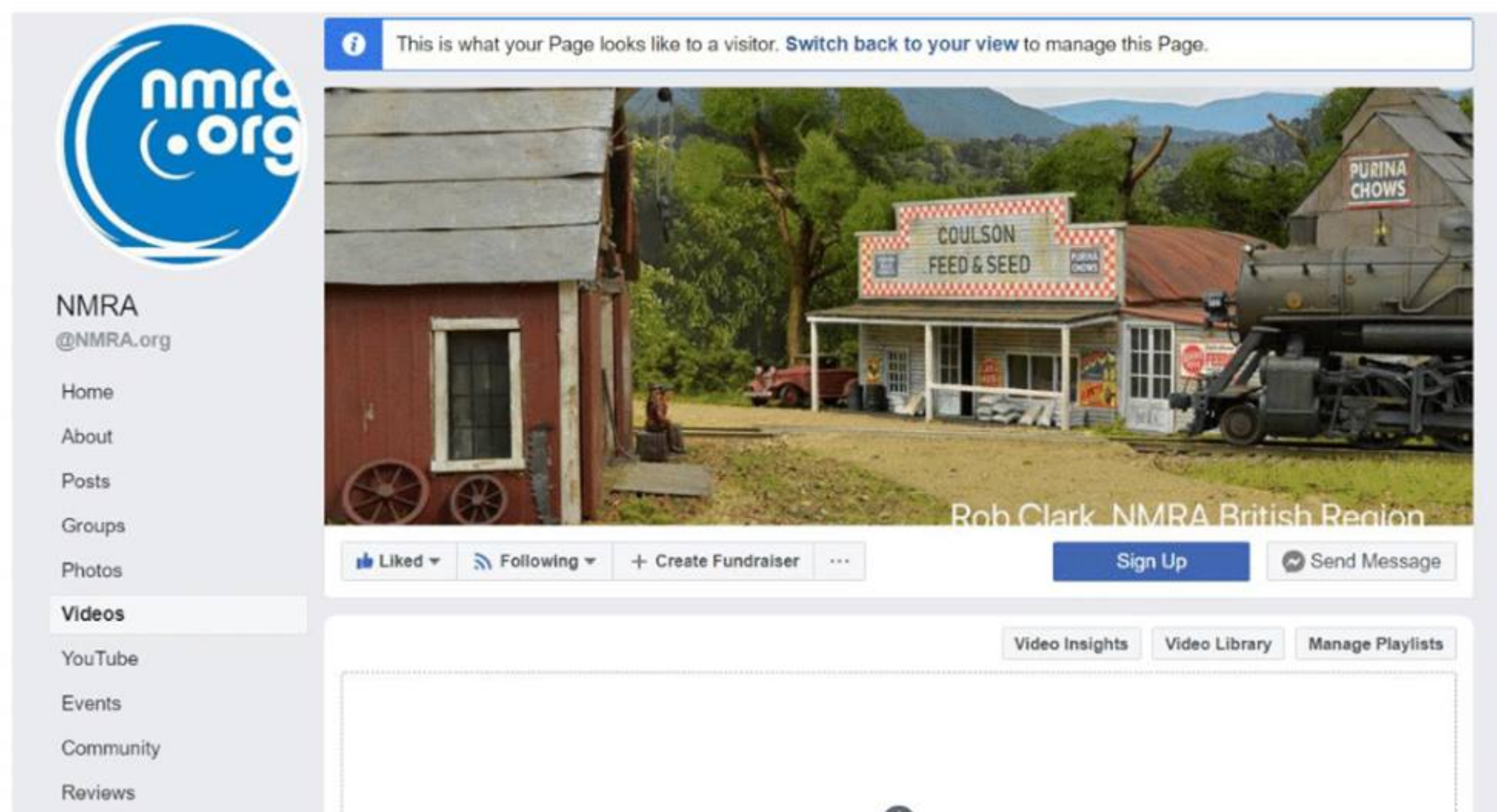
## YouTube

Navigate to [www.youtube.com](http://www.youtube.com) and enter NMRA ORG into the search box. Select the NMRA logo at the top of the search results list. This will take you to the NMRA channel, click on the videos tab and the live stream should be the first video in the top left. You can also view all the previous NMRAx videos here. Hit subscribe and you'll be the first to know about our latest videos or live streams.



## Facebook

You don't need a Facebook account to watch our live stream on Facebook. Navigate to <https://www.facebook.com/nmra.org> and select the videos tab. Scroll down until you see the video thumbnails and click on the video that displays the **LIVE** icon. Click on this thumbnail and you'll be watching our live stream. Consider sharing the stream as a Facebook post so your friends can also enjoy NMRAx. Like and Follow the NMRA page to be notified when NMRAx goes live.





# GatewayX Timetable

All times in EDT effective 00:01 July 12 2020 until 23:59 July 18 2020

07.12.2020		
08:00	How to run a scenery clinic for kids	Gerry Hopkins, MMR®
09:00	N-scale Trees	Jonathan Small
10:00	The very first introduction to an Arduino	Michael Hill
11:00	Woodland Scenics Realistic Water	Don Fowler
12:00	Model Railroading 101 Clinic*	Clark Kooning, MMR®
13:00	That town at the end of the line - Coal Patch Communities	Edward Koehler
14:00	Ballasting	Eduardo Becherell
15:00	PVC Terminal Strips for Insulation Displacement Screws	Carl Blum
16:00	Model railroad photography	Dan Munson
17:00	<b>Roundtable – Building your first layout</b>	Gordy & Guests
18:00	Weathering, we don't know what yet it's a surprise!!!	Ralph Renzetti
19:00	Realistic base level scenery for your model railroad	Perry Lamb
20:00	San Antonio and Northern Railroad – Layout Tour	John Lowrance, MMR®
21:00	Touring the Michigan Interstate St. Clair Subdivision – Layout Tour	Greg McComas
22:00	Portland and Western, Free-Mo-N	Ed McNamara

07.13.2020		
08:00	Track building with Fast Tracks*	Kevin Marks
09:00	Scratch Building in Wood	Peter Bowen
10:00	Drawing for 3d printing	David Hager
11:00	Getting a Pro Look with a Simple Camera	Bob Feuerstein
12:00	Modernization of Main St. and How It Affects Our Modeling	Jim Sacco
13:00	Building Rooftop details	Mike Corley
14:00	Photo Editing Programs and Efficient Workflow	Bob Feuerstein



15:00	Tree building	Mike Ross
16:00	Resistance Soldering	Mike Walter
17:00	<b>Roundtable – Skills &amp; Techniques for Kit Building</b>	Gordy & Guests
18:00	Building Interiors	Lloyd Henchey
19:00	Bar Mills Model Works, the last two inches	Jack
20:00	Roomettes interior kits for structures	Barry Silverthorn
21:00	Roads	Jeff Palmer, MMR®
22:00	What it takes to make a model great	Duane Richardson, MMR®

### 07.14.2020

08:00	Easy streets using Sintra*	Jim Sacco
09:00	Scratch building structures*	Scott Perry
10:00	Building Grandpa's service station*	Jim Gore, MMR®
11:00	Detailing wood for structures and rolling stock*	Frank Markovich
12:00	Moving the President by Rail*	Jerry Britton
13:00	Detailing Diesel Locomotives*	Perry Lamb
14:00	Building an 8-wheel wagon (freight car) *	Arthur Hayes, MMR®
15:00	Prototype to model SD50/SD60's*	Tony Cook
16:00	Lake Michigan Carferry Operations at Kewaunee, WI	Tim O.
17:00	<b>Roundtable – Modelling Freight Cars &amp; Locomotives</b>	Gordy & Guests
18:00	Flat Car Loads?	Arthur Hayes, MMR®
19:00	Covered hoppers	Dave Burman
20:00	Greenville, Pullman-Standard, and Thrall 86-foot High-Cube Boxcars	Tony Cook
21:00	Rewire Athearn Blue box	Matt Lentz
22:00	Streamlined Passenger Trains serving St. Louis	Paul Hobbs

### 07.15.2020

08:00	Oahu Railway Wahiawa Branch & Dead Rail*	Neil Erickson
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09:00	New Britain Station*	Randy Hammill
10:00	Modeling the Valley Local*	Chris Adams
11:00	Against the grain part 1*	Dave Burman
12:00	Against the grain part 2*	Dave Burman
13:00	Against the grain part 3, storage, milling, distilling and shipping to consumer	Dave Burman
14:00	Planning your Layout (before you install benchwork)	Jerry Hoverson, MMR®
15:00	From 12x20 to 20x16x3!	Andy Ambrose
16:00	Layout Design for track charts & maps	Gordy Robinson
17:00	<b>Roundtable – Layout Design &amp; Operations</b>	Gordy & Guests
18:00	Building the Beaver Creek branch line	John Feraca, MMR®
19:00	Culm Valley Light Railway	Bruce Wilson
20:00	Introduction to modelling firefighting on your model railroad	Edward Koehler
21:00	Designing from the Prototype - Making it Real	Dave Burman
22:00	TOMA	Joe Fugate

### 07.16.2020

08:00	From Workbench to mainline*	Ralph Renzetti
09:00	Creating simple rust for beginners*	Joey Guinto
10:00	Weathering Wall Signs*	Ralph Renzetti
11:00	If it isn't dirty it isn't done*	Duane Richardson, MMR®
12:00	Simple effective weathering techniques*	Pete Steinmetz
13:00	How to weather locos and roiling stock in less than 5 minutes*	Peter Bowen
14:00	Painting & Weathering	Dan Spalding
15:00	History of Railroad Model Craftsman magazine	Otto Vondrak
16:00	"That looks right": How better scenery graphics and improved railroad graphics can enhance realism in your model railroad.	Drake Hokanson



17:00	<b>Round Table: Painting &amp; Weathering Techniques</b>	Gordy & Guests
18:00	Bar Mills Model Works	Art Fahie
19:00	Contrast Paint vs. Brass Locomotive	Matt Lentz
20:00	How to paint 3D resin prints. Make your layout come alive!	Bernard Hellen
21:00	Weathering Rail	Jeff Keubler
22:00	ProtoThrottle*	Scott Thornton & ISE

### 07.17.2020

08:00	Using cellular speakers for DCC sound*	Kaylee Zheng
09:00	Preparing to Program an Arduino	Jim Kline
10:00	Model Train Technology	Jim Lewis
11:00	Cricut Cutting Styrene	Tim O.
12:00	Simple 3D Printed Parts	Tim O.
13:00	Microlumina: Lighting kits	Bill Sartore
14:00	Arduino for beginners	Dave Ackmann
15:00	Raspberry Pi and Engine Driver*	Martyn Jenkins
16:00	Arduino for more beginners	Dave Ackmann
17:00	<b>Roundtable – Model Railroading Tech</b>	Gordy & Guests
18:00	Lights and interiors	Pat McCarthy
19:00	Designing Prototypical Lighting for Realism	Michael Groves
20:00	Introduction to NeoPixels	Jim Kline
21:00	DCC Consisting	Bruce Petrarca
22:00	Battery Power Remote Control - Dead Rail. An Overview of Various Systems and Options	Pete Steinmetz

### 07.18.2020

08:00	RFID/NFC and JMRI	Carlton Brown
09:00	Block Signals	Dwight Sturtevant
10:00	Introduction to Building Craftsman Kits.	Ron Poidomani



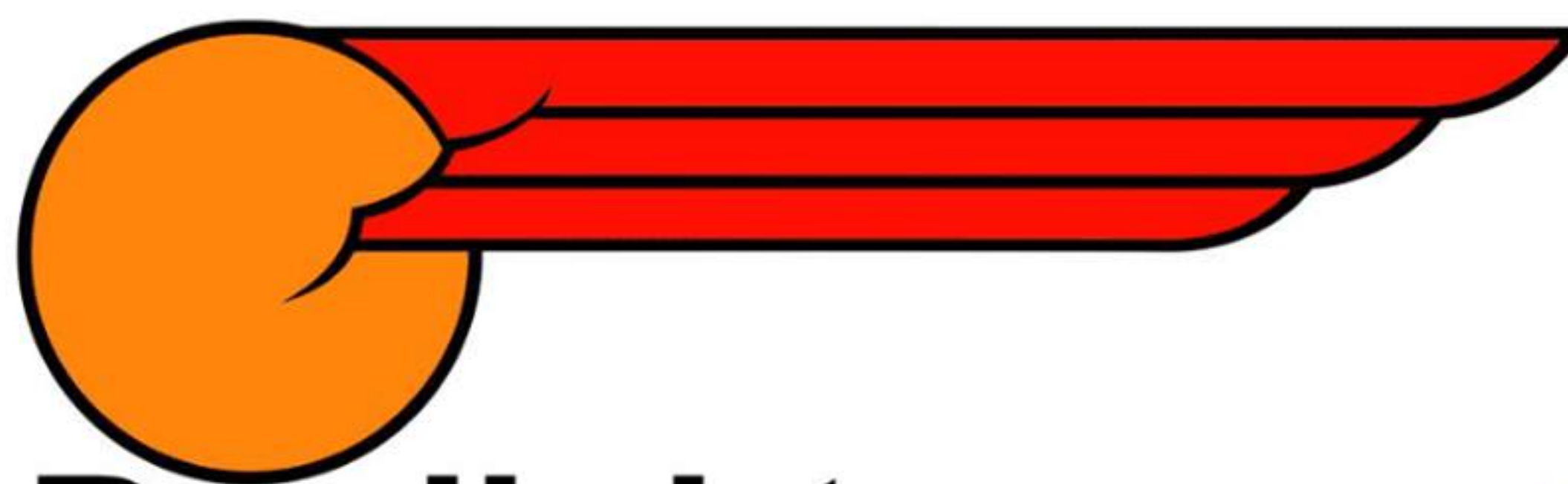
11:00	Rio Grande's Ski Train	Tony Cook
12:00	Operating the VALLEY LOCAL	Chris Adams
13:00	OPs on the Michigan Interstate St. Clair Subdivision	Greg McComas
14:00	Spreadsheet	Richard Sieben
15:00	Crowell Long Leaf Lumber Company	Chuck Lind, MMR®
16:00	Yardmaster 101	Dan Munson
17:00	A river runs through it - barge operations and your railroad	Dave Burman
18:00	<b>Virtual Banquet – “The Business of N Scale with Craig Ross of Bluford Shops”</b>	Tony Cook & Craig Ross
19:00	Getting Started with Operations, for the novice	Eric Smith
20:00	Prototype Ops on a Small Layout	Arthur Hayes, MMR®
21:00	2023 NMRA National Convention DFW preview	Mike Mackey, MMR®
22:00	2021 NMRA National Convention Santa Clara preview	Chris Palermo

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\*recorded at a previous NMRAx event

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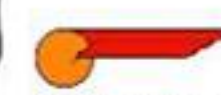
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