

PROTOTYPE RAILS 2022

Rev. 05

Mark Amfahr: **Operating with Cabooses.**

The presentation will cover caboose operation from the 1930s through the 1970s. Mark's research focused on the Union Pacific but what he learned should be generally applicable to most class 1 railroads during those years. Topics include: handling cabooses in terminals, switching of caboose tracks, servicing & supplying cabooses, labor union considerations, pool vs. assigned service, use of markers and other equipment, carrying drovers and other passengers, train placement with helpers, deadheading, and non-standard uses.

Frank Angstead & Doug Doloff: **Manufacturing the Intermountain Way.**

Intermountain Railway Company returns to Prototype Rails with the latest info on how they manufacture and import scale model trains. Come and hear how current events have affected the model train industry.

Rick Bell: **Replacing Older Sound Decoders.**

Rick Bell, of DCC Installs and Sales, will explain how to replace older sound decoders with the latest & greatest.

Mike Boland: **All About Grade Crossings.**

We've all seen grade crossings, but have we really observed them? And how have they changed over time? Mike's clinic is a history of prototype grade crossings through the years. It is essential information so you can model them accurately.

Al Brown: **Cars from Quarantine.**

Al distracted himself from work, politics, and COVID by building freight cars. In this clinic, he will cover the methods he used to build the Columbia, Newberry, & Laurens 2500-series box car (parts-built: based on F&C Virginian kit), the GTW 53' War Emergency gondola (National Scale Car mini-kit based on Tichy kit), and the Western Pacific rebuilt steel box car.

Jon Cagle: **Modeling the Ocean.**

Professional modeler Jon Cagle will share his techniques for modeling the ocean. Whether you're modeling the Key West Extension or car ferries in New York Harbor, you'll be sure to learn something from this great clinic!

Jeff Cauthen: **Snapshot of SP Passenger Train Operations Between Oakland & Sacramento - March 1960.**

Jeff's research has revealed fascinating details about passenger train operations in 1960. While he focuses on the SP, the information may illuminate how your favorite railroad did things. He will also include information on techniques that can be used to model these trains.

Bill Darnaby: **Interesting and Informative Stuff.**

Attendees will be rewarded with an update on what is going on with Bill's Maumee Route railroad and his workbench in general. Topics will be scenery, backdrops, scratch building, brass-bashing and other neat stuff.

Chuck Davis: **Passenger Car Detailing, Upgrades, and Lighting.**

During COVID, Chuck worked on some passenger cars that had been sitting in boxes for years. Come and hear how he detailed and upgraded them to match specific prototypes.

George Eichelberger: **Jacksonville Terminal Station.**

Over the past year, George has found and scanned several files on Jacksonville Term Station in the Southern Railway Presidents' files. The files start well before the present Jax Term was built and include track layouts for the local railroads and of course building construction. This clinic will go a bit more into the "business" of what it was all about rather than just a slide show. The various roads into the terminal produced interesting/large track diagrams showing how they'd get into the station, etc.

John Greene: **Resin- and 3D Printed Sides for Passenger Cars.**

John, of Bethlehem Car Works, will show how to model exact prototype passenger cars using both resin sides, and 3D-printed car sides.

Jared Harper: **SuperTrees and Sagebrush.**

In this clinic you'll learn how to model typical Midwestern trees using a combination of sagebrush and SuperTrees.

Matt Herman: **ESU LokProgrammer Basics & Function Mapping.**

ESU's makes LokSound, one of the best DCC sound decoders available. Matt Herman, from ESU, will share the basics for using LokProgrammer to program the decoders. All of the most-frequently asked questions will be answered. He will also focus on how and why to re-map the decoder functions.

Steve Hile: **Shake-N-Take – the SAL AF-1 Auto-Furniture Box Car.**

The Shake-n-Take tradition continues! While outwardly similar to the PRR X31b and c, there were some significant differences which we hope to address in this project. Based on the Bowser HO car, we will have new ends, underframe, ladders, running boards, and details plus custom decals.

Steve Hile: **The UTLX X-3 Tank Car.**

Author Steve Hile takes a look at UTLX's X-3 design which spanned more than two decades of tank cars of various capacities and configurations. Of special note will be the prototypes for the upcoming Rapido model.

Roger Hinman: **The Development of the New York Central Standard Steel Baggage Car.**

This presentation will focus on early wood cars that preceded it as well as the first all steel designs leading to the final choice. Approximate period covered will be 1890-1925. These cars were seen nation-wide and ran up till the Amtrak era. The technological changes are similar to that experienced by many railroads.

Thomas Klimoski: **Incorporating Prototype Rules and Procedures into Your Op Sessions.**

While no one likes rules, they are essential in the railroad industry to prevent accidents and operate safely. In the presentation Tom outlines the benefits of incorporating a few important prototype rules and procedures to help make your operating sessions more realistic. As a side benefit, following these rules help extend an ops session and make a smaller layout operate much larger than it is without adding any additional track or industries. Videos will highlight the rules and procedures outlined in the presentation.

Greg Komar: **Working a Yard With a Full Five-Man Crew.**

Tales from an extra board Fireman on the South Buffalo Railway, 1968 & 1969, and how it can and should relate to the way we work our yards during op sessions. Videos from an HO-scale cab will show the very limited view enginemen have of the railroad around them. The South Buffalo serviced one of the largest steel mills in the country. With two men in the cab and three on the ground, it was everyone's responsibility to stay safe in a dangerous environment. The South Buffalo interchanged with the Pennsy, New York Central, Lehigh Valley, B&O and Buffalo Creek railroads.

Dave Lambert: **The Cars Most Often Found in M&E Trains, ca. 1963.**

For Mail & Express Trains East and South of Chicago & St. Louis: A photo album of the cars you would likely see, ca. 1963. The top six most common *foreign line* cars in the consists of the M&E trains of the following: PRR, NYC, SAL, and ACL.

W. Jim Langston, III: **The 1940 Chicago to Florida Streamliners – City of Miami.**

Jim will provide an overview of the 1940 Chicago to Florida Streamliners, their reason for existence, their success, car consists and car plans; in this presentation the focus will be on the *City of Miami*. As a bonus, you'll learn about the trains Tiki Bar and great rum drink mix! (The Chica-Mia, the Official drink of the ACL & SAL HS 2020 Annual Meeting). Modeling options will be discussed along with a postscript of the train's evolution post war and its ultimate fate.

W. Jim Langston, III: **The 1940 Chicago to Florida Streamliners – South Wind.**

Jim will provide an overview of the 1940 Chicago to Florida Streamliners, their reason for existence, their success, car consists and car plans; in this presentation the focus will be on the *South Wind*. Rule G will be observed in this presentation! Modeling options will be discussed along with a postscript of the trains evolution post war and its ultimate fate.

David Leider: **The History of the Baltimore & Ohio Chicago Terminal Railroad.**

I will follow the history of the railroad from the beginning through several receiverships until the B&O became owner and then until it became part of CSX.

Donovan Lewis: **Consider Modeling the Steel Industry.**

The steel industry and railroads are intertwined. As a result, modeling the steel industry is fascinating and makes for a great addition to a model railroad.

Carl Marchand: **Adding DCC and Sound to RTR Athearn locomotives.**

Do you have Athearn locomotives that are still waiting to be upgraded to DCC and sound? This is the clinic for you! Carl shows the simple steps needed to upgrade your fleet.

Carl Marchand: **LokSound Programming – A Deeper Dive.**

ESU's LokSound DCC Decoders have a wealth of features. Carl will get into the details of programming these decoders so that your locomotives can have the best sound possible. He'll cover the advanced features and the tips & tricks you'll need to be successful.

Eric Menger: **Filling the Gap - Salmon River Scenery on the Western Bay Railroad (On30).**

Please see the description listed below under Al Sohl.

Lance Mindheim: **Scene Composition.**

Composing scenes requires an entirely different set of skills than building individual models. In some ways it's more challenging in that it doesn't lend itself to the step 1, step 2, step 3 directions we're used to with kits. This clinic will address topics such as how many scenes to include on a layout, the spacing between them, the elements to include, their arrangement, and the size and shape of the elements within a scene.

Dan Munson: **Derailed! Now What?**

When a model train derailed, you take a moment to put it back on the tracks. Professional railroader Dan Munson will show what the prototype does after a derailment happens.

Bill Neale: **Upgrading the PRR Panhandle Layout.**

Join Bill as he describes how he upgraded his already-fantastic PRR Panhandle layout. He will discuss the refurbishing and upgrading process. This clinic is sure to be of interest to anyone who currently has a layout, or is thinking about building one.

Joe Oates: **Workin' On the Railroad.**

A pictorial presentation, with narration by the author, about his days on the SAL, SCL, and CSX railroads. Joe is a great storyteller – don't miss it!

Jim Panza: **Trailer Train's Fleet of Bethlehem Steel 100-Ton, 68' Flats, Part 1 – Basic Bulkheads.**

Trailer Train (TTX) purchased its first F68AH, 100-Ton, 68-foot bulkhead flatcars in 1969 and many of those cars remain in service today. Scale Trains' release of their F60AH model makes modeling the cars very easy in HO Scale. We'll explore the history of these cars and the many modifications made over the years to keep the cars in demand for 5 decades.

Jim Panza: **Trailer Train's Fleet of Bethlehem Steel 100-Ton, 68' Flats, Part 2 – Interesting Variations.**

Trailer Train (TTX) expanded its fleet of 100-Ton, 68-foot flatcars to include cars in different types of service at the request of its owner railroads and their customers. These include class F68BH finger rack cars, F68CH plain-deck flatcars and F68DH flatcars with tie-down equipment. Scale Trains' has released versions of these prototypes in HO Scale that we will discuss including some enhancements.

Steven Priest: **Little Things, Big Difference.**

Are you building, or planning to build, a large layout? There are some small changes you can make that will make a big difference in the speed of construction and quality of the layout. Steven will talk about changes that affect layout construction, locomotives, operation, rolling stock, and scenery. In short, he'll share his tips learned from his large layout.

Alex Schneider: **Compartment Sleepers Assigned to the New York Central.**

Alex will explore the various classes of sleepers assigned by Pullman to the NYC. He will cover not only the prototypes, but also how to model them. Anyone who needs to model sleepers will learn something from this presentation.

Jim Singer: **Photos You Wouldn't Expect to Find at the Lake States Railway Historical Association.**

One naturally expects to find photos from the Great Lakes region in the LSRHA archives. Jim will share a sample of interesting photos from other parts of the U.S.A., including the Southeast.

Bruce Smith: **A Resin Kitbash of a Prototype Kitbash – the PRR N4 Cabin Car.**

This clinic will focus on a kitbash of a resin car. It will provide techniques for altering/bashing resin parts, assembling mixed media parts for the car, painting, and weathering. These techniques are applicable to a wide range of projects beyond a "one of a kind" PRR cabin car.

Lowell Smith: **How to Build a Crew for TT&TO Op Sessions.**

This clinic tells how I very successfully built my crew to operate with Time Table & Train Orders. Over the years I hosted hundreds of sessions where folks would actually schedule their in-town business around my op sessions, coming from (even) outside the US. You'll learn how to encourage the fun operations that are often mysterious to those that don't understand TT&TO. This clinic does not cover TT&TO itself, but rather *how to build a crew* to do that.

Al Sohl, MMR; Eric Menger; & Richard Webster: **Filling the Gap - Salmon River Scenery on the Western Bay Railroad (On30).**

This clinic will show how the crew of the Western Bay Railroad (O-scale, narrow gauge) used casting resins and urethanes to create a realistic rushing water scene for a mountainous area on their layout. Hardshell using no plaster, urethane rock castings, coloring with acrylic stains, realistic water making techniques, scenery detailing, and even some trestle building/detailing methods will be shared. Samples of products will be available for inspection at the clinic.

Perry Sugerman: **Signals and JMRI.**

In this clinic you'll learn how to implement prototypical signaling using JMRI (the Java – Model RR Interface). A degree in Electrical Engineering is NOT required!

Mont Switzer: **Favorite Freight Car Projects 9 – The Nickel Plate Road.**

The clinic is a summary of the HO scale NKP freight cars that I have built over the years. I will share both prototype information and my modeling techniques.

Chip Syme: **Conrail Through the Eyes of an Employee.**

Professional railroader Chip Syme will share his stories about Conrail. His talk will be divided up year by year and describe the improvements he saw. Don't miss an opportunity to hear about the prototype "straight from the horse's mouth"!

Gil Thomas: **Tropicana: 50 years and Counting.**

This clinic will review the origins of the Tropicana Juice Train, various paint schemes of the past 50 years, route traveled by the train, locomotive paint schemes used to pull the juice train, and current operation patterns.

Gil Thomas: **Modeling Considerations for the 1970's Modeler.**

This clinic will describe major events of the 1970's, how they changed the face of railroading then, and how they continue to do so today. Gilbert will explain how this applies to prototype modeling as we move out of the transition era into the modern era of modeling

Mark Vaughan: **A Railcar of Turkey Feed? – Insights into railroad traffic in the animal and poultry industry.**

Mark will take a look at the rail-hauled commodities related to the animal and poultry industries. Some of the results may surprise you.

Jim Wiese: **Controlling Trains with RailPro.**

In this clinic, you'll learn about RailPro by Ring Engineering and it's DCC and Radio capabilities and the many features the system offers compared to just DCC. Jim will talk about how the system works and how to program and setup your engines to operate without dealing with CV's. He'll show how easy it is to MU engines and how to achieve some of the most realistic operation.

Fenton Wells: **80 ft Red Caps for the Southern Railroad.**

I cover the prototype conversion of HW sleepers and tourist cars by the railroad into 80 Baggage Express cars at Hayne shop in Spartanburg SC. Fifty-one cars were converted in 1948 and 49 more in 1954 and 1955. The second half of the clinic covers modeling the prototype by making one in HO scale from available components and some scratch building.

Fenton Wells: **Kitbashing SAL boxcars.**

Fenton will pick up where the 2022 Shake-N-Take leaves off. He'll cover modeling the Seaboard Air Line's AF-3, AF-4, AF-5 auto-furniture box cars. He'll also talk about the very similar B&O M-59.

John Wilkes: **Appalachian Coal Tipples.**

Coal tipples are everywhere in Appalachia. John will show examples of many prototypes and how he modeled several of them for his amazing L&N layout.

Tom Wilson: **Making, Painting, and Weathering Brick.**

Expert structure builder Tom Wilson will share his techniques for creating brick buildings using plastic or plaster. Realistic brick is more than just a piece of styrene with a brick pattern embossed in it. Come to this clinic to learn how to make humble bricks into spectacular models!