

PROTOTYPE RAILS 2022

Rev. 01

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.

Jeff Cauthen: **Snapshot of SP Passenger Train Operations Between Oakland and 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.

Parker Clemmons: **Install and Setup RC servos for turnout control.**

Come and learn the innovative way that Parker has used servos (for radio-controlled airplanes) to control the turnouts on his model railroad.

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.

Steve Hile: **Shake-N-Take.**

The Shake-n-Take tradition will continue. We will remember and honor the memory of the founder, Greg Martin, with a new project. We have several more lined up for the years to come. For 2022, Steve Hile will lead the build, details of which will be released at Thanksgiving time, per tradition.

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.

Tony Koester: **Update on the Nickel Plate.**

Since last we chatted, *Model Railroad Planning* editor Tony Koester has installed an authentic telephone system between the dispatcher and two operators and made other improvements to his HO tribute to the Nickel Plate Road's St. Louis Division as it appeared in the fall of 1954 when steam still ruled the NKP.

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.

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 derails, 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.

Jim Murrie: **US Army Mortuary Trains 1950-51: The Golden State Route.**

Research has uncovered a box at UTEP that contains 400+ telegrams maintained by the Gen. Passenger Agent at El Paso. Based on this info and other research, Jim will share some consists, some routings (Oakland to Brooklyn) and other misc. items. The remains being moved contained both WWII and Korean War dead since the programs overlapped.

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-foot Flatcars.**

Trailer Train (TTX) purchased its first 100-Ton, 68-foot flatcars in 1969 and many of those cars remain in service today. Scale Trains' release of several versions of the prototype 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.

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.

Bill Schneider: **New Layout Construction.**

Bill has abandoned the "Old Woman in the Back Bedroom", but now has a new woman kept in the basement. He will discuss the design and construction of his new prototype-based double-deck NYO&W layout in a newly-built basement room which is coming together very quickly. He'll discuss research, planning and construction of the new layout. Despite the new space, he still had many compromises to make to fit even a modest-sized prototype into the available space. He'll also discuss how he has managed to achieve so much in a short period of time.

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.

Tony Thompson: **Understanding Prototypical Waybills for Model Use.**

Increasingly, model railroad operating sessions rely on model versions of waybills, instead of the usual former standard, the four-cycle car card. The degree to which a modeler wishes to emulate prototype waybill details is obviously a personal choice, but greater understanding of how waybills work and what is in them, equips a modeler to make that choice with knowledge. This clinic attempts to provide some of that knowledge.

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: **Locomotive Upgrades – Decoders, Lights, and Details.**

Come to this clinic and learn how to upgrade your model locomotives to make them state-of-the-art.

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.

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!

Craig Zeni: **Dewitts – Modeling the Penn Central RS3m.**

Penn Central rebuilt their RS3's with EMD prime movers. Of course, they didn't fit in the carbody. Come to this clinic to see how the Dewitt Shops made them fit, and how Craig modeled the bulges and bumps of the prototype.