

# PROTOTYPE RAILS 2019

Rev. 04

Rick Bell: **Upgrading the Sound Decoders In RTR Locomotives.**

DCC Installation expert Rick Bell will describe how to overcome the challenges of adding state-of-the-art sound to RTR Locomotives that came with older decoders. Come and learn how to upgrade that old tinny sound to Hi-Fi!

George Bogatiuk III: **Tsunami2, Now I have this Installed, now what?**

George Bogatiuk from Soundtraxx Sales & Support will go into the operational features and setup of the Tsunami2 decoder. He will discuss selecting the correct sound, setting up the lights, prototypical braking and the Dynamic Digital Exhaust (DDE) to get the most from your Tsunami2-equipped locomotive. Learn about the 'Flex-Map' function as well as an overview of Locomotive consisting. This overview will highlight and show off the benefits of using Tsunami2 to help bring our locos to life, get the most from the sound decoder and to simulate running a real locomotive!

Al Brown: **Three Semi-Scratchbuilt Boxcars.**

This talk will describe "semi-scratchbuilds" of an Erie double-door box (the 2018 Shake & Take car), a Southern ventilated box (the 2018 Build & Bash car), and a Wheeling & Lake Erie 27000-series box (a car so strange its designer's sobriety has been questioned). Topics covered will include when and why I choose to scratchbuild, as well as specific techniques arising in these builds.

Mike Brusky: **Modeling Barbed Wire the Easy Way.**

Mike Brusky of Dimensional Modeling Concepts will show how you can easily add barbed wire to an HO or N-scale layout using the DMC Barbed wire kit.

Jack Burgess: **The YVRR: Not Just Prototype Freight Cars.**

Hyper-prototypical modeler Jack Burgess shows that there can be much more to prototype modeling than just freight cars and buildings. This clinic will provide a layout visitor's view of the multi-deck Yosemite Valley Railroad along with some of the stories shared with visitors.

Jack Burgess: **Photoshop as a Modeling Tool.**

Learn the many useful ways Photoshop software can be used to enhance your modeling. From signs to building designs, you'll surely learn something new!

Brian Carlson: **Rust Belt Boxcars 1950, 1957.**

This clinic is a primer on common boxcars of several Northeastern railroads including the DL&W, LV, L&NE, CNJ/CRP, RDG, D&H, P&LE, and WM. We will compare common boxcars of the respective roads in 1950 and 1957 touching on how things changed. Information from the clinic is drawn from ORERs, equipment diagram books, photos, internet sources, and other resources. The inspiration for this talk came from Bill Welch who asked for assistance on modeling boxcars from northern railroads.

Jeff Cauthen: **SP MOW Boarding Cars.**

These cars are former passenger cars and freight cars reconfigured for use by the MoW crews as living accommodations. This presentation will be a pictorial review of representative Southern Pacific Maintenance of Way (MoW) Boarding cars. These Boarding cars are former passenger and freight cars repurposed by the railroad to provide sleeping, living, and eating facilities for SP MoW employees. These cars were moved about the railroad to various locations where maintenance, repairs, or construction were taking place.

Ted Culotta: **Finding Kitbashing Opportunities in Freight Cars.**

This is a continuation of a clinic presented at RPM events throughout the past year with updates to in-progress projects. This clinic focuses on highlighting how to find opportunities for freight car kitbashing subjects and how to replicate models of these prototypes. By recognizing subtle differences in prototypes, one can modify commercially available kits and models to accurately replicate unusual or unique prototypes that are distinct from the run-of-the-mill cars seen on most layouts.

Ted Culotta and Bill Welch: **Photographing Our Models.**

Join Bill and Ted as they present their totally excellent photography techniques. Bill's portion will focus on using a Digital SLR and Marco Lens, outdoor lighting, portable backdrop, and other gnarly tips for photographing models close-up. Ted will cover how he lights his models for photography, preparing images for digital and print publication, and a brief description of Adobe Lightroom for managing and developing bodacious photos and awesome digital files.

Chuck Davis, MMR: **Modeling Lehigh Valley's 1<sup>st</sup> Steel Auto/Box Cars.**

These interesting cars were built in three variations and were later modified and rebuilt to meet the needs of the automobile industry. This clinic will cover the history of the 1000 prototype cars including painting and lettering, and how to model these cars and the primary modifications using plastic HO car kits, commercial parts, and fabricating resin castings.

George Eichelberger: **Early Intermodal on the Southern Railway.**

This clinic includes details on TTX and Southern pig flats, with photos and drawings of the first ten or fifteen years (1961 into the 70s) and the various containers and trailers purchased and leased by the Southern with a dose of the railroad's "Rail-Highway" strategy.

Doug Geiger, MMR: **Iron & Steel - the Industry.**

The steel industry has a rich history and formed the backbone of America's growth. From moving raw ingredients to delivering finished product, railroads have been an integral part of the steel industry. This clinic will provide you with a basic understanding of steel making processes and vocabulary. It will give you a guide to the inner workings of rolling mills and some of the specialized railroad equipment found in and around a steel plant. Many references (both prototype and modeling) will be presented to enable

you to accurately add this fascinating industry to your own layout. Although mostly a prototype clinic, modeling ideas will be injected as the presentation develops.

Rich Hanke: **Cleveland, Wisconsin - The Continuing Story.**

Thanks to the many long term residents of Cleveland, Wisconsin, the railroad model is continuing to come to life. This small rural town's life centered around the C&NW and is modeled circa 1950, at its prime.

Jared Harper: **The Alma Branch - Modeling an ATSF Branchline.**

Regular presenter Jared Harper will present an overview of his Alma Branch. This Santa Fe branchline, located in Kansas, is the basis for Jared's prototypical layout. You'll learn how he turned his research into a recognizable and fully-operational railroad.

Steve Hile: **Warren Petroleum Tank Cars.**

Founded in the early 1920's, Warren Petroleum became a major player in the LPG (Liquefied Petroleum Gas) market from World War II through the 1950s, when it became part of Gulf and later Chevron. Their fleet consisted of ARA Class IV and ICC 104 tank cars for carrying natural (casinghead) gasoline and ICC 104 and 105 LPG tank cars with a large WARREN spelled out on the sides of the tanks. The presentation will include chronological roster development and modeling ideas.

Roger Hinman: **New York Central Steel Cars, Part V: Covered Hoppers.**

The series on NYC freight cars continues! This presentation will look at every car in this class from early rebuilds to state of the art equipment purchased in the 1960s.

Thomas Klimoski: **The Georgia Northeastern Railroad, Prototype and Modeling.**

In this presentation Tom will review the history of the Georgia Northeastern Railroad (GNRR) and outline its present day operation. Also included are photos from when Tom was able to ride along with the GNRR crew as they traveled down the steep Marble Hill switchback spur to switch the marble industries there. The second portion of the presentation will highlight Tom's HO scale Georgia Northeastern layout. He will discuss the construction of the layout, operating sessions, prototype based switch lists and track plan. Numerous photos showcase the scenery and structures of the layout.

Tony Koester: **Here to There - Freight Car and Freight Train Operations.**

Well-known author Tony Koester will teach you (almost) everything you need to know about how to orchestrate car and train movements in the timetable and train-order era. You'll learn how to move cars and trains from Here to There in a realistic manner.

Gail Komar, MMR: **The Rainbow Coal Co.**

This clinic presentation is about methods used to scratch build a residential coal distribution structure. Discussed will be the prototype photos and construction drawings that show why this structure was selected for the West Virginia Northern. Also presented will be what type of coal trucks were used at this type of facility and other small coal delivery businesses.

Jim Langston III: **Passenger Car Trucks – Prototype and HO Models.**

*“Everything you wanted to know about passenger car trucks but were afraid to ask!”* Real passenger car trucks were diverse in appearance and individual railroads often preferred specific types. We will examine how the real thing worked, the Pullman code that identified truck types and variants, and what various roads preferred while reviewing the HO models available from Walthers, Rapido and others (such as Central Valley, D&G, etc.)

Jim Langston III: **Forty-Seven Years of Amtrak Passenger Cars.**

Up-to-date review of Amtrak’s passenger car fleet history, with remarkable details on the development and building of the Viewliner prototypes, and the Viewliner I and II production cars and other equipment. This is an extensively updated and expanded version of a presentation first given in 2011.

David Leider: **The Chicago Milk Shed.**

Dave Leider explores milk train operations, with a focus on Chicago. But these milk operations happened all over the country – even here in Florida!

Jim Lincoln: **Adventures in Proto-48.**

Is Proto-48 the ultimate modeling scale? Jim makes a strong case for building your prototype models (and model railroad) in Proto-48. Do you model in a different scale? Attend this clinic and see how your own modeling can be inspired by the things done in P:48!

Tom Madden: **1940-1950 Ralph Hallock non-Colorado photos from the Colorado Railroad Museum Collection.**

The Colorado RR Museum has over 1000 B&W negatives from the Ralph Hallock collection covering 1940 through 1956. Ralph began photographing the railroad scene in New England and the mid-Atlantic states in 1940 and expanded to the South and Midwest before moving to Colorado. This slideshow is a hand-picked selection of the most-interesting of his non-Colorado images, with an emphasis on photos useful to modelers. There are lots of wartime images, lots of images showing very interesting rolling stock, motive power and infrastructure. The goal of the clinic is to give a sense of railroading during the war and in the immediate postwar period.

Greg Martin: **Weathering My Way.**

My clinic will be on my weathering techniques I've used over the last 20+ years. It involves the use of shadowing with paint and highlighting details with pencil or Conte crayon.

Lance Mindheim: **Model Railroading As Art – updated!**

In addition to the enjoyment we get from building and operating our layouts, they can also provide tremendous satisfaction from the simple act of viewing them, much as you would a painting in your den. This clinic shares some ideas to enhance that experience. Topics covered include: scene composition, color treatment, layout to backdrop

transitions, ‘meaningful’ details, and photography. Note that this clinic has been substantially modified, updated, and augmented since I presented the topic last year.

Jim Murrie & Naomi Petersen: **The Fort Knox Gold Trains.**

Before Goldfinger's people attacked Fort Knox, someone had to put the gold there. Starting in January 1937, and again in 1940 and 1941, eighty-four special mail trains left New York and Philadelphia for the newly constructed bullion depository at Fort Knox, Kentucky. They carried only registered mail, and those boxes of registered mail contained only gold bricks. In late 1941 a secret 85th shipment was made of something considered more valuable than gold. If you model IC, PRR, NYC, L&N, or B&O you can model these trains.

Bill Neale: **Steam-Era Freight Car Weathering.**

The clinic title is deceptively simple. Learn how Bill gets incredibly realistic results with his weathering techniques. He'll help you notice prototype weathering patterns, and illustrate his methods to duplicate them. Along the way, he'll share his “bag of tricks” and point out some weathering “sins” to avoid.

Joe Oates: **The Day Meteors Collided.**

Passenger train expert “Uncle” Joe Oates will take us back 50 years to August 5, 1968 in Winter Haven, FL.

Steve Orth: **Photo Backdrops Using Google Maps.**

Would you like photo backdrops of specific locations? Can't find what you want with the commercial backdrop companies? Learn how to use Google maps and Photoshop to develop your own, unique photo backdrop files on your home computer which can be printed at your local print shop.

Jim Panza: **The G85 Flatcar.**

The General American G85 flatcar has its roots in the Clejan flatcar. Primarily used in piggyback service during the 1960s and 1970s, some G85 flatcars were equipped with auto racks. We will explore the history of the GATX G85 and the very similar G85A and G89 flatcars. At great personal risk, Jim has obtained Top Secret photos of the upcoming Walther's G85 flatcar, which he may be persuaded to share during the clinic!

Frank Peacock: **Steam Locomotive Parts, Appliances, and Fittings, Part 2.**

In this continuation of the 2017 clinic the following subjects will be covered: Trailing Trucks, Engine Trucks, Valve Gear (the five most common gears), Boosters, The Valve Pilot, and some other subjects as time will allow. As before there will be a handout.

Mark Pecko: **My Adventures as a BNSF Chef.**

Join Chef Mark Pecko as he shares photos and stories from his career as a chef on the BNSF Executive Train.

Clark Propst: **The Story City Branch – Modeling from the Prototype.**

This clinic starts with an overview of the HO Scale Story City Branch, a M&StL branchline in central Iowa. You'll learn how interesting it can be to build and operate a layout based on a small branch. Clark will explain the concept, track arrangements, structures and focus especially on scenery and operations.

Bill Schneider: **Design and Manufacturing at Rapido.**

Join Bill Schneider, a senior product designer at Rapido Trains, for a candid look at how Rapido approaches product design and manufacturing. He will cover how Rapido is using new and emerging technologies to design and manufacture models and offer behind-the-scenes views of the design and manufacturing process in China. Bill will also offer updates on Rapido's 1:1 scale models and its efforts in preservation.

John Sheridan: **Lightweight Passenger Cars of the New Haven Railroad 1934-1968.**

We will be discussing everything you need to know about the design, construction, & operation of the New Haven Lightweight Passenger car fleet.

Jim Singer: **Photos from the Lake States Railway Historical Society in Baraboo, Wisconsin.**

Jim takes a break from Passenger Specials this year to give attendees a glance at various photo collections held at The LSRHA Archives. Journey back in time with Jim Singer as he shares fascinating photos from the the Ritzman Collection (largely Midwest), Ed Willkommen Collection (largely rolling stock), Lee Hastman Collection (IC glass plates), Bruce Meyer Collection (his early Color work), and maybe some others thrown in.

Bruce Smith: **The Other PRR Boxcar Everyone Needs: The X31.**

This clinic will cover the PRR's X31 boxcar class and subclasses, with a focus on the unique aspects of each subclass and a discussion of the modeling of each.

Al Sohl, MMR: **Building the Maud Monroe Gold Mine.**

Join O-Scale modeler Al Sohl as he describes how he built a prototypical model of a Colorado gold mine. Not only will you learn scratchbuilding techniques, you'll also discover why he scratch built it in 'S' scale for a 'O' scale model railroad. In addition, he'll share a few tips about building and entering a model for judging by the NMRA.

Mont Switzer: **Favorite Freight Cars 8: Three Unusual Monon Boxcars from 1958.**

Monon guru Mont Switzer will discuss building and general detailing of 3 Monon boxcars to layout quality standards: a 1937 AAR boxcar, a pre-PS-1 boxcar and a PS-1 boxcar wreck rebuild. All 3 models share the Monon's signature paint and lettering scheme of the era, application of which will also be covered also.

Gil Thomas: **Modeling Considerations for the 1960's Modeler.**

The 1960's are a time of big changes for the railroad...mergers, new freight cars, and locomotives too! If you are modeling the 60's or later this clinic will help guide you in things that should be modeled by you!

Tony Thompson: **Modeling Freight Traffic on Your Layout**

No, this clinic isn't about waybills (except in passing). It's about freight traffic, and the point is that the needs of traffic give rise to waybills, not the other way around. To create realistic traffic flow on a layout, the starting point is understanding each layout industry, then creating traffic patterns to serve each industry's needs. One can then add as much detail as desired, drawn from knowledge of each industry type, and resources to do so are described. Examples from a wide range of industries are included as illustrations.

Mark Vaughan: **Grain Processing, The Big Three; Corn, Wheat and Soybeans.**

The PowerPoint will feature grain processing, byproducts and the resulting railroad transportation. Anywhere people or animals eat, grain products will be shipped in railcars.

Bob Webber: **Passenger, Freight, and Trolley Data at the Pullman Library.**

The IRM's Pullman Library contains trolley, freight, and passenger car information specific to the Pullman and Budd companies and predecessors. Bob Webber will walk you through the over 1 million drawings in the collection, ranging from furniture and ashtrays to car floor plans, elevation drawings, and electrical diagrams!

Bill Welch & Ted Culotta: **Photographing Our Models.**

Join Bill and Ted as they present their totally excellent photography techniques. Bill's portion will focus on using a Digital SLR and Marco Lens, outdoor lighting, portable backdrop, and other gnarly tips for photographing models close-up. Ted will cover how he lights his models for photography, preparing images for digital and print publication, and a brief description of Adobe Lightroom for managing and developing bodacious photos and awesome digital files.

Fenton Wells: **Shake-N-Take – Southern 40' Double-Door Boxcar.**

The Prototype Rails tradition of Shake-N-Take continues! The project for 2019 is a Southern 40-ft double door boxcar. This clinic will describe the prototype cars and how to kitbash them. Attendees who signed up in advance will receive parts including an end door and 2 standard 4/5 Sq. ends, so the modeler can choose which car to build.

Tom Wilson: **The Pittsburg & West Virginia RR - the little guy in the middle.**

Modeling the P&WV using P&WV/ N&W prototype information to form the basis of my layout and operation schedule.

Craig Zeni: **A Beginner's Guide to Building a Resin Freight Car Model.**

You can do it! This clinic will take some of the intimidation out of building a resin freight car kit. You'll learn tips and tricks to get good looking results the first time. The subject of the clinic is the Westerfield 1916 NYC steel box car flat kit.