

PROTOTYPE RAILS 2019

Rev. 01

Frank Angstead: **Manufacturing the InterMountain Way.**

This clinic will consist of three parts: 1) An overview of the manufacturing process at InterMountain Railway Company including the history of tooling done for other companies by InterMountain. The current status of offshore manufacturing in China with information about former and current companies. Also some discussion of other countries/areas for future consideration. 2) What can we do to bring model railroad manufacturing back to the U. S.? and 3) Discussion of the place of model railroading in the hobby industry in general and what the future looks like for the hobby.

Rick Bell: **Retro-Fitting Sound Decoders Into OMI Locomotives.**

DCC Installation expert Rick Bell will describe how to overcome the challenges of adding state-of-the-art sound to Overland brass locomotives. Come and learn how to turn that great *looking* brass engine into a great *sounding* brass engine!

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!

Mike Boland: **Long Island RR Passenger Cars**

LIRR fan, modeler, and author Mike Boland takes an in-depth look at the many types of passenger cars that the Long Island Rail Road, the nation's busiest and biggest commuter line acquired since 1945. The LIRR added numerous new MU cars to its electric fleet as well as a number of cars purchased from other railroads. Baggage cars, coaches, parlor cars, sleeping cars...the Route of the Dashing Commuter had quite an interesting fleet of cars by the time it was bought by the State of New York and operated by the Metropolitan Transportation Authority in 1965. All cars are covered in a colorful and all-inclusive presentation that begins with the railroad's unique double-decker MU car fleet right after the war and concludes with the new M9 MU car now testing on the property.

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.

Brian Carlson: tbd.

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.**

Chuck Davis, MMR: **Modeling Lehigh Valley's 1st 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.

Steve Funaro: **Tax Assessment photos- Unlocking the Past**

The clinic will be on using 1940 era assessment photos and other library data to accurately view the LIRR Evergreen Branch. Many cities are now posting assessment photos on their web sites. The clinic will show how to use vintage street atlases, vintage assessment photos and some current street views to recreate a 1940 view of the Evergreen Branch. Previously there were only a dozen known photographs.

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.

Matt Herman: **What's New From ESU.**

Matt Herman, General Manager of ESU, LLC, a leader in DCC Sound Decoders, will announce ESU's new product line-up for 2019. Be sure to attend to get a first look at the future! You'll also learn about ESU's CabControl in this clinic.

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 car and train movements. You'll learn how to move cars and trains from Here to There in a realistic manner.

Gail Komar: **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.)

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!

Tom Madden: **The Ralph Hallock photo collection.**

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.

Joe Oates: **The Day Two 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 Schaumburg: **Discovering Hope Springs, Part II.**

Additional industries complete the plan for a rural, one-town layout set in the modern era. And yes, wine and chocolates will be distributed to those who attend the talk.

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

Join Bill Schneider, a Product Developer at Rapido Trains, for a candid look at how things are done "north of the border".

Jim Singer: **Midwest Photos from the Ritzman Collection.**

Journey back in time with Jim Singer as he shares fascinating photos from the Ritzman Collection from the Lake States Railway Historical Association Archives.

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.

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.**

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 Car Data at the Pullman Library.**

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

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.