

PROTOTYPE RAILS 2018

Rev. 03

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: A Plethora of Hints, Kinks, and How-To's.

DCC expert Rick Bell brings us a variety of tips, including special programming for your Tsunami 2 decoder, choosing your own decoder configuration, getting power from the track to where you want it, and modifying manufacturers' light boards. He'll also share some modeling tips on how to accurately modeling buildings from photos. You won't want to miss it!

Mike Boland: The Long Island Rail Road in Transition: 1945 to 1955.

In this very interesting decade, the LIRR underwent a startling make-over from severing its long-time relationship to the Pennsylvania Railroad, its owner, to the elimination of steam. Author-LIRR modeler Mike Boland covers new paint schemes, new rolling stock and locomotives, the retirement of the railroad's only AC-powered electric locomotives and even the sale of the railroad's once-busiest branch--the Rockaway Beach Branch across Jamaica Bay--to the City of New York.

Mike Boland: Rail-Marine Activity in New York Harbor.

One-Time Only (Thursday evening). This presentation is certain to appeal to any fan of rail-marine activities. Anyone who has an interest in tugs, car floats, and freight cars is sure to find something of interest!

Al Brown: Building Unusual Tank Cars.

The world of small tank-car fleets is strange and mysterious, full of strangely shaped tanks and bizarre rebuilds. This talk will feature progress on CRTX 8, which has two compartments of unequal sizes, and is rebuilt from an oddly proportioned single-compartment original.

Mike Brusky: 3D Printing for Railroad Models.

Mike Brusky of Dimensional Modeling Concepts will share information on his research for 3D printer and 3D software selection, on the basic concepts of creating 3D image drawings, and tips, techniques, and lessons learned for producing 3D-printed models.

Jack Burgess: Photoshop Elements as a Modeling Tool.

The computer program Photoshop Elements can be used to make scaled signs from graphics available on the web, scale prototype photos for building models, make your

own decals, and enhance scanned layout photos. A five-page handout is available at <http://www.yosemitevalleyrr.com/clinics>.

Jeff Cauthen: Royal Palm & Southern Crescent Sleeper-Observation Cars.

This clinic will cover the eight sleeper-observation cars built by Pullman-Standard on Lot 6814. Six were ordered in August 1946 (NYC ordered its car in January 1948 and FEC ordered its car in June 1946) and delivered in February and March 1950. They were delivered for service on the Royal Palm and Southern Crescent. They were named as follows:

- Southern 2300, Royal Arch
- Southern 2301, Royal Court
- CNO&TP 3499 (Southern), Royal Palm
- WofA Royal Palace
- FEC Azalea
- NYC Royal Crest
- L&N 3300, Royal Canal
- L&N 3301, Royal Street

The clinic will also include the Bob Chapman construction article (with permission) previously published in the L&NHS magazine.

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.

Bill Darnaby: Backing Up Your Scenery: Recent Layout Projects and Back Drop Issues.

Modeler Bill Darnaby returns to Prototype Rails with an update on his Maumee Route layout. Attendees will learn how he solved the problems associated with installing a backdrop on a Midwestern-themed railroad.

Keith DeVault: Baltimore and Ohio Railroad's West End Subdivision.

This clinic will take you from Viaduct Junction in Cumberland, Maryland to Grafton, West Virginia, showing towers and trains from The B & O to the present CSX.

Jim Dick: Dealing with Your (model railroad) Estate.

This special clinic will be presented one-time only (on Thursday evening). What will become of your railroad artifacts and model railroad after you're gone? Jim tackles this subject head-on and offers practical advice to make the preservation of your collection as painless as possible.

Jim Dick: From Dreams to a Model Railroad Plan.

After 30+ years of research (and "paralysis by analysis") I have finally put down stakes and started on a solid railroad plan. Where I am is NOT where I started years ago and through my miss-steps I hope to help you avoid the same. I will name one factor that

most never even consider when planning a layout and I will tell you of a contingency for this you can plan in from the start. I will share with you my current bare bones plan and tie in why I am choosing this. By crewing other layouts along the way I have nailed down my “givens and druthers” and realize that in the time left, I can have much of what I originally desired. I hope to share these ideas with you and help you to define your desires so that you can cross from dreams to reality which can be then put on paper, framework constructed, track laid and powered up, and trains run. And still be happy for a long time.

Paul Dolkos: Changing Prototypes: a tale of two layouts.

Paul explains why one takes down a perfectly good New England based model railroad to model the grime and dirt of Baltimore's industrial districts and port facilities. Construction techniques are also explored.

George Eichelberger: Freight Car Drawings from Southeastern and Eastern Railroads.

This clinic will present the drawings and documentation used to plan, order, and identify early freight cars of the Southern and Central of Georgia, and later cars of the SOU, CofGA, ACL, SAL, and CR predecessors.

Steve Funaro: Dry Ice Cars.

Rich Hanke: cancelled.

Jared Harper: Building a Freight Car Roster for Santa Fe's Alma, KS, Branch Circa May 1943.

Attendees will learn how Jared used available prototype documents to develop a believable and prototypical freight car roster.

Steve Hile: Researching an Iowa Branchline.

The Rock Island's branch north from Cedar Rapids to Decorah, Iowa offers interesting potential for model railroad construction and operation. In the steam/diesel transition era, it hosted a mixed train each way, daily and had interchanges along the way with the CGW, MILW and IC. It offered both Midwestern flat land running and curving routes through the hills of northeastern Iowa.

Roger Hinman: New York Central Steel Freight Cars, Part IV: Flat Cars.

The presentation will look at all cars built in the period of 1900-1954 and use photos, drawings or diagrams to illustrate the different designs. Car populations will be looked at with data from various periods.

Dave Hussey: Santa Fe F Units from Highliners.

This presentation covers researching and modeling an ABBA set of Freight Santa Fe F units. It covers the various phase differences and how a decision was made on which features each unit received as delivered and how they were modeled to represent a 60's era consist using the Highliners kit.

Tony Koester: Building a Sectional Midwestern Layout in O Scale (P:48).

Model Railroad Planning editor Tony Koester will describe the research, planning, construction, scenery, structures, and operation of a portable, sectional O scale railroad based on a single Midwestern town that he has built for a series of articles in Model Railroader. He built the track to Proto:48 standards, but the series will assume that virtually all modelers who follow his example will build it using standard O gauge track components or in a different scale.

Greg Komar: The West Virginia Northern's Mad Dash to the Finish.

This clinic will discuss the major projects that were completed before the 2017 NMRA convention. Construction of 3 level staging, completion of Beaver Junction scenery, RR room floor covering, and the diesel fleet detailed, painted, lettered, WOW sound decoders installed. Full operating sessions on the 99% complete West Virginia Northern.

Jim Langston: Jacksonville Passenger Terminal Consists 1968-1970.

A review of actual passenger consists for SCL, FEC, IC, PRR passenger trains through Jacksonville, FL from 1968 through 1970 which are being digitized by the ACL & SAL Historical Society for public access. This clinic will include actual consist samples for Florida Special, Silver Meteor, Silver Star, Champions, City of Miami, South Wind, Gulf Wind, Palmland and several other secondary trains; notable cars leased during winter season; borrowed cars; consist summaries with seasonal changes; and notable oddities, including office car moves.

Jim Langston: The Florida Special's Last Ten Seasons.

This clinic provides an in-depth look at this legendary train's last 10 seasons on ACL (5), SCL (4) and Amtrak (1). It will include train history, consists and cars (including leased cars), plus some personal stories. As a bonus the presentation will include tips for modeling this train in HO scale.

Schuyler Larrabee: Shake-N-Take: The Erie 95000-Series 40' Double Door Box Car.

Shake-N-Take returns to Prototype Rails 2018 with the Erie 95000-series 40' double-door box car. As usual, detail parts will be provided to those who signed-up to allow them to convert the base model into an accurate representation of the Erie car.

David Leider: The Wood Street Potato Yard.

I cover the growing of potatoes to storing, shipping and how they get to the consumer. Special attention is on the Wood Street Potato Yard in Chicago, the nation's largest. I will also cover where potatoes were shipped from, including Florida.

Tom Madden: All Heavyweight Pullmans Are NOT Alike.

Steam- and transition-era modelers salivate over identifying and modeling even the most miniscule differences between seemingly identical freight cars, but many are blind to the even more obvious differences between the many heavyweight Pullmans that shared the rails, and the times, with those freight cars. In this clinic I'll explore the "beyond the paint scheme" differences that make heavyweight Pullmans more than just rolling scenery - once you know what to look for.

Carl Marchand: JMRI DecoderPro for Beginners.

JMRI (Java-Model Railroad Interface) is a computer program that works to make DCC easier to use. Carl will focus on DecoderPro and show how simple it is to use JMRI to program your decoders and set up advanced consists.

Greg Martin: Correcting the Athearn / MDC RS-3.

Today's locomotive models are better than ever, but there is still no perfect model of the RS-3. In this clinic diesel enthusiasts will see how Greg created a correct HO Scale body for the ALCo RS-3 and superdetailed it.

Lance Mindheim: Model Railroading As Art.

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.

Jim Murrie & Naomi Petersen: Supermen, Aliens, and Executive Order 9066.

In addition to the many trains of equipment and troops that crossed the US during WWII, there were also passenger trains carrying "The Enemy". This clinic is an overview into these trains carrying not only Axis POWs, but also civilians, both foreign and US citizens. We'll also cover some of where they went and why.

Jim Murrie & Naomi Petersen: The Last Big Troop Trains.

One Time Only (Thursday evening). This clinic describes the move of the Wisconsin National Guard in Oct 1961 from Wisconsin to Ft Lewis, WA as part of the response to the Berlin Wall crisis. It seems to have been one of the last big troop train moves (20 freight and 17 troop trains). Trains ran over UP, NP, GN, MILW, SOO, and C&NW.

Joe Oates: Night Trains.

This presentation will show a collection of images of all types of railroad operation including steam, diesel, passenger trains, freight trains, depots and posed shots. All of the photos were taken after dark or at sunset.

Steve Orth: Signals Using JRMI software and DCC.

Having a prototypical, working signal system is more possible now than ever before. By integrating almost any computer with existing DCC components, a working signal system can be assembled. There's no need to know how to program the computer; open source (free) JMRI software has taken care of that. There's no need to solder hundreds of electronic components on PC boards; more than one DCC supplier has assembled components available, and you can mix-n-match to get what you need. Learn some of the pitfalls to avoid and how to use a logical, system engineering approach to minimize unnecessary purchases and rework.

Jim Panza: Selected TTX Piggyback Cars of the 1960s and 1970s.

Trailer Train's piggyback flatcars that were commonly used during the 1960s and early 1970s will be described. Prototype photos, fleet information, and ideas on how to model the cars in HO Scale will be presented. This clinic will be followed by Mont Switzer's clinic on modeling appropriate highway trailers.

Frank Peacock: tbd.

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Bill Schaumburg: Discovering Hope Springs: planning a new layout.

Using Google Earth, Bing Maps and the PowerPoint program to design a small, one-town, contemporary layout that is operations-oriented. Lucky attendees just might be treated to wine and chocolate.

Jim Singer: Fans and Scouts 1960 – from the files of the CB&Q Passenger Dept.

More passenger oddities, this time from the CB&Q Passenger Department Files. Jim will review a multitude of fantrip and Boy Scout movements from the 1960's.

Bruce Smith: Weathering: from basics to extremes.

This clinic will look at a wide variety of weathering approaches designed to get beginners started, and at the same time take even experienced weatherers places they may not have been before.

Perry Sugerman: Ore Operations on the Ashland and Iron River RR.

The freelance A & IR serves the Iron Ore Mines of the Gogebic region of Northern Michigan in a prototypical fashion. Steel Mills and other smelters get Iron ore from the mines using the A & IR and the Ashland, Wisconsin Ore Docks and via boat on the Great Lakes. A model of the moving ore boats, written in Microsoft Excel, is used to drive railroad operation (car forwarding). In addition to describing the prototypical operation of the model RR, the requirements for and use of the boat model is explored.

Mont Switzer: TOFC Trailers of the 1960's & 70's.

This clinic literally piggybacks upon Trailer Train flat car clinic presented by TTX flat car expert Jim Panza. It describes how to model two semi-trailers typically seen on TTX TOFC flat cars from 1960 to well into the 1980's: FGEX refrigeration trailers with belly mounted refrigeration equipment (of which there were over 850) and URTX steel vans painted red (of which thousands were leased to railroads as well as operated in various TOFC trailer pools). Both models are based on the venerable Athearn blue box trailer kits first released in the early 1970's.

Gil Thomas: Modeling Considerations for the Year 2000.

Tony Thompson: Weathering Transition Era Freight Cars.

Six years ago or so, Richard Hendrickson and I put together a clinic with this title. This new version modernizes and updates it. But as always, making freight car models more or less weathered and dirty is essential for prototypical realism. The clinic emphasizes that there are a wide range of techniques for weathering. Several quite different approaches, all of which work very well, are presented and illustrated. These can be used singly or together, and viewers will be encouraged to develop their own combination of techniques for weathering models realistically.

Mark Vaughan: Introduction to the GATX Small Single-Bay Airslide Covered Hopper.

The Airslide car was introduced in the early 1950s and was widely used nationwide into the 1990s and even more recently. The cars were used to transport all types of products for consumption. Typically the cars were used for flour and sugar along with many other commodities.

Bill Welch: Improving ARA/AAR "Standard" Steel Boxcar Styrene Kits: IMWX/Red Caboose; InterMountain, Atlas and Branchline.

It is well known that the 1932 ARA Standard Steel Boxcar varied in terms of their details and while such variations were not as prevalent nor prominent with the 1937, 1937 Modified, and post war AAR Standard 40-foot Steel boxcars, there were subtle differences. Using nine different models this clinic will demonstrate ways to exploit these differences to create more accurate models in 1/87th scale.

Fenton Wells: Kitbashing SOU 36' Ventilated Boxcars from Accurail's Kit.

This clinic is about ventilated boxcars in general and the Southern cars built in 1914 by ACF. Attendees will learn how to kitbash the car using the Accurail 36 ft DS boxcar as a starting point and custom decals and resin parts that are available to complete the kit bash.

John Wilkes: Modeling Appalachian Coal Tipples.

Craig Zeni: Building a Resin Freight Car Model for Beginners.

The specific subject of this clinic is a Westerfield 1916 NYC steel box car flat kit. But the techniques you'll learn will apply to any resin kit from any manufacturer. The whole point is to 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!