

Clinicians & Clinic Descriptions

- Dan Banks **Modeling Water** A clinic on some scenery products that model railroaders may not be familiar with. We will cover water fall and moving water effects, puddles, general soaking wet scenery. We'll bring all of the techniques together in an HO rainy scene that modeled rain drops. I show not only how to do things right but also areas that end up being pitfalls and how I did it wrong.
- Building Craftsman Structures** A double clinic on how I build craftsman structures. While largely looking at laser craftsman kits this will also cover a short section on board-on-board builds. We will look at stepping through building a kit from start to finish, focusing on glues, paints, weathering, lighting, details, making the structure your own through small kit-bashed add-ons, and planting the structure in a scene.
- Alan Bell **Tower Operations** This presentation describes how mechanical interlockings worked and shows towers in operation and how they can be integrated into a model railroad operation.
- Bob Blake **Modeling Motion** DCC decoders have improved significantly over the past decade. In addition to more sound and lighting functions, motor control has also improved to a point where we can more prototypically model train motion.
- Kick Up Your Switching** Prototype switching is often much more involved than simply setting out and picking up cars from a customer. We'll look at prototype operations at several modeled customers to see how switching can be more involved without resorting to switching puzzles.
- Dan Brewer **Building the Michiana Southern - Layout Planning Considerations** This clinic examines the thought processes used by the presenter when designing a prototype-inspired layout set in northern Indiana.
- Jim DiPaola **Steel Making in the Mahoning Valley** The Youngstown, Ohio area was once a hotbed of the steel industry. The downturn of the steel industry turned the area into a ghost town of industry and railroads. This clinic will show where the various mills were located and what is there now.

- Dave Fodness **The South Bend Terminal Railroad** Dave will present his South Bend Terminal Railroad. He will give us a tour of the layout and discuss the choice of era, show the industries served and interchanges with some of South Bend's other railroads. Although the railroad was recently torn down to facilitate a move to a new location, like Phoenix, a new version is rapidly emerging.
- Doug Harding **Grain Elevators** Part I will examine wood grain elevators, their construction and modeling. Part II will examine concrete elevators, their construction and modeling.
- Vintage Railfanning: Adventures in Railroad Archeology** Digging up the past that no longer exists using resources like Sanborn maps, ICC valuation reports, vintage photos, etc.
- Steve Hile **NJI&I Boxcars** The New Jersey, Indiana and Illinois railroad was a short line with an expansive name. It served industries in South Bend with a link to its owner, the Wabash railroad just a dozen miles out of town. This presentation will provide an overview of the railroad and concentrate on its boxcar "fleet" from the 1920's to 1960's.
- UTLX Tank Cars** This clinic will provide an overview of UTLX tank cars in the steam era. UTLX had one of the largest fleets of tank cars in the country and the cars were widely travelled. It will include material on the recent X-3 models from Rapido and Resin Car Works.
- Jack Klein **Model Railroad Operations in an Electric Furnace Steel Mill** The presentation will cover some electric furnace history, some layout planning ideas and some operations ideas.
- David Korkhouse **The NYC Niles Branch** This clinic examines the New York Central branch between South Bend, IN and Niles, MI where it connected with the Michigan Southern line between Chicago and Detroit. This is a highly modellable branch, and some of those features will be highlighted.
- Scott Kremer **The NMRA 2025 National Convention** will be in Detroit, Michigan. Scott will provide an overview of plans for the convention and reasons to attend.
- Seth Lakin **Modeling Monon Train 57** Starting with a list of Monon's freight train #57 on Dec 14, 1963 leaving Michigan City IN. Presented is information on each of the 26 cars and how to model them.

- Seth Lakin **Michigan City LDEs** Creating Layout Design Elements (LDEs) for a Michigan City based layout.
- Rich Mahaney **Car Ferry Operations on the Great Lakes** This presentation looks at car ferry operations on the Great Lakes and how various model railroaders and club layouts are re-creating those scenes and operations.
- Rich Mahaney **Selecting Industries For Your Model Railroad** This presentation is designed to help model railroaders select industries and community businesses for their model railroad through a systematic approach and by answering a series of questions, thinking about how railroads service their customers, increasing railroad traffic by thinking about the types of railroad cars that are used to service the needs of different types of industries. Examples of real facilities and model railroad examples are used to make the points.
- Rich Mahaney **Junctions, Interchanges, And Diamonds For Your Model Railroad** This presentation looks at real railroad junctions, interchanges and diamonds and how they can be modeled by model railroaders. They can allow more rail traffic, use other railroad equipment, and improve operations. They also justify different railroads on a layout. Examples from different model railroads are shown as part of this presentation.
- Eric Peterson **Realistic Track and Track Geometry Using Templates** Eric models in O Scale 2 Rail applying his experience working in engineering for CSX and predecessors. This clinic will review prototype track characteristics and demonstrate the use of templates for laying out track centerlines quickly for turnouts, curves and spirals. If you want to understand spirals and superelevation this is your chance to add more realism to your next track project. Turnout types, geometry, and space saving tips will also be included. If you have questions about track work for all scales this is your clinic.
- Using Sand with Premixed Dry Powdered Glue for Scenery and Ballast**
Polymeric Sand including water activated glue is a simpler and easier way to cover scenery surfaces. There are a variety of similar products with different colors and grain sizes with potential use as ballast in N, HO and O scale track.
- Sand premixed with water activated powdered glue is marketed for gap filling between patio and walk paver bricks and stone. I spread it on the layout

landforms and spray water to activate the glue. One soaking with water activates the glue and it usually dries in 24 hours.

Mike Roderick **Operations on the Murphy Branch of the Southern Railroad** The Murphy Branch (MB) runs as a West to East Operation using Time Table and Passenger Operations.

The MB runs two types of Operations. Classic Operations is set in the steam era (1930's to 1940's) and transition era (1950-1959) and includes all steam and 1st generation diesels because the Murphy Branch went through a major change west of Bryson City to Almond, NC, and this is reflected in how the modern Southern RR/GSMR is run.

Modern Operations (1980's to present) includes all 1st, 2nd, and 3rd generation modern diesels. Currently the NWR uses leased mainline power because the NWR has not purchased any club horsepower.

Fred Soward **What's Happening at National?** A look at projects and programs that have recently been implemented or are being worked on right now. This is your opportunity to hear from and to ask questions of a member of the NMRA National Board of Directors.

Mont Switzer **Freight Cars of Muncie, Indiana Favorite Freight Cars 11**, Freight Cars of Muncie, Indiana, introduces the various freight cars that were unique to this midwestern industrial town in the 1950-1970 era. Represented are the yellow The Ball Line boxcars, colorful Marhoefer Packing Co. reefers, massive Westinghouse Schnabel cars and Delco/Remey anthracite hauling covered hoppers. Modeling opportunities will also be presented.

Robb Thomas **3D Printing for Model Trains** Explore the world of 3d Printing, what it is, and what it isn't. This presentation will touch on object creation with CAD and discuss available 3d Printing Services and home printing to create unique items that were previously unobtainable.

Kevin Tully **Assembling the Athearn/Bachmann HD Flat Car Conversion Kit** Using the conversion kit from Steel Mill Modelers Supply the presenter will show how to correctly do the conversion using some basic hand tool and parts supplied in the conversion kit

Cleaning 3D Printed Parts & Prep for Painting The presentation will show the correct way to clean 3D printed parts to obtain excellent paint adhesion.

- Chris Vanko **Weathering Freight Cars** Chris will discuss his techniques for priming, painting, pre-weathering, decaling, and final weathering of various HO scale freight cars. Samples of procedures he uses will be depicted.
- Bruce Wukovits **Michiana Mainlines** Bruce's YouTube channel includes many videos from South Bend and Michiana in the 1970's and 1990's. Will view the South Shore airport branch video. An industrial park line that could be modeled complete with street running. Also the Notre Dame and Western. An old shortline that could be condensed into almost any layout.
- Brandon Wehe **Steel Basics 101** The presentation is an introduction into steel making processes appropriate to the timeframe you are modeling. It provides examples of how flexible steel modeling can be with prototype and model photos. Also, explains the railroad car mix and thought put for some of these processes.