

## The Story of the Nantucket Railroad Display

By Dave Frary

In this presentation Dave will talk about the history of the Nantucket Railroad and how the 11.5 mile long railroad moved passengers from the steamboat wharf in Nantucket Town to the resort hotels in Siasconset with stops at Surfside and Tom Nevers Head along the way. With photos and models he will show how the railroad operated seasonally, almost every year, from 1881 to 1917.

Dave will describe the planning and the building of the 28' long On30 display located in the Whaling Museum using the historic photos in the Nantucket Historical Association's collection and photos taken as the display was built. He will also demonstrate many of the new model building techniques that were perfected for this project.

## Freight Yard Design and Operation

By Andy Sperandeo

Andy explains his 10 tips for freight yard design and operation, and shows examples of some model railroad freight yards illustrating useful design ideas.

## A Primer on Model Railroad Signaling

By Dick Johannes

This clinic is designed to review the history and some of the decisions to be made as one considers adding signaling to a model railroad. It is more a source of information and resources for information than a hands-on or demonstration clinic as that approach usually forces talking a lot about the specific decisions used for the demonstration. It is designed to provide a source of information for the modeler who is considering adding signaling to an existing or planned layout. In this clinic we will cover the rationale and history of railroad signaling. The fundamental differences between an ABS or APB block signaling versus interlocking will be discussed. We will then describe some of the critical decisions the model needs to make: 1) How to determine location, 2) How to decide what aspect to display and 3) How to execute displaying the aspect. A review of the many choices for the signals themselves and what aspects they can display will be covered.

Signals are very expensive on both the prototype and the model so trade-offs are likely necessary. The concept of "selective compression" is also relevant to signaling systems. In signaling systems these choices

surround how much complexity we wish to model, will the signals actually be used during operation and where can compromises be made and still preserve the flavor of the time period and railroad being modeled.

## Building Hand Laid Turnouts Using Fast-Tracks Tools

Ken Belovarac

There is no turnout quite like a handlaid turnout. In this clinic, the tools used for making handlaid turnouts will be used to demonstrate how to build them. The tools used will be those manufactured by FastTracks. This is not a sales presentation, but a clinic to teach the modeler how best to utilize the assembly forms and frog point tools to assemble precision handlaid turnouts within a few hours per turnout. Ken, who has the NMRA Civil Engineer AP certificate, and does civil track engineering as one of his duties at the MBTA, has built several of these and has learned a few tips and nuances not found in the instruction book that may be useful to the modeler using these tools for the first time. It is not possible to have the attendees build a turnout during the clinic, but a demo #6 turnout will be assembled during the 45 minute clinic to show how its done. Tips and a discussion on building larger turnouts and slip switches will be included in the clinic. If you are a beginner or a seasoned modeler who wants to learn about turnouts and how to build them by hand, you will enjoy this clinic.

## New Methods for Tree Making

By Hal Reynolds

In this clinic, Hal will demonstrate how to make better looking trees and foliage using his new TurboTree product. The clinic will include a short Powerpoint presentation but will mainly feature the actual tips and techniques for making better looking trees using a variety of tree armatures, and how to use the TurboTree to apply ground foam.

\*\*\*\*\* Modeling Moving Water \*\*\*\*\*

*The format of this clinic has changed to a presentation clinic*

By Jeff Gerow

We'll start by viewing pictures of water running around and over rocks, and discussing what makes it look like it's moving and how we could

model it. A demonstration “river” will be created ahead of time (and documented in photos), using EnviroTex. In the session, we will add appropriate texture using Woodland Scenics Water Effects to model water going over and around rocks, as well as creating a waterfall. Angel hair, or similar “fluff”, as well as dry brushing white highlights will be used/discussed for foam and spray, and gloss medium for “wetting” adjacent scenery. Attendees should free more confident in dealing with their next water modeling project.

## Altoona and Horseshoe Curve – 1975 to 2009

By Tim Garner

The Pennsylvania Railroad’s 4-track crossing of the Allegheny Mountains, including Horseshoe Curve, is one of the greatest places to watch trains. After a little history, take a photo tour through the region from Penn Central days in 1975 through Norfolk Southern in the spring of 2009. See Tim Garner’s images of the Curve, the shop town of Altoona, Tunnel Hill, Gallitzin, Cresson, the Railroaders’ Memorial Museum, and other locations – most never before published.

Tim is Secretary of the New England Chapter of the Pennsylvania Railroad Technical & Historical Society and editor of The East Wind, Assistant Editor of PRRT&HS journal The Keystone, Art Director of The Keystone Modeler, and the Hub Division’s PR Director.

## Beyond Shake the Box - Techniques for building high end car kits

By James VanBokkelen

The first injection-molded kits of the 1950s and 1960s became known as "shake the box" kits. Many are still available, inexpensive and durable at the cost of crude doors, thick roofwalks and molded-on grab irons.

Second generation injection-molded kits benefit from better research and advanced mold-making, including separate grab irons, scale doors and roofwalks, underbody detail, and end lettering. However, assembly takes more skill and a wider range of tools.

This clinic introduces modelers to high-end plastic kits and suggests tools and techniques to build them.

## Weathering Freight Cars

By Rudy Slovacek

From the very moment a prototype freight car emerges from the paint shop it begins to weather. The longer the service and more revenue it has earned the deeper is that weathering effect. As modelers, nothing says it's a **"toy"** more than the new injection molded plastic freight car which one either builds as a kit or pulls ready made from the package. This clinic will demonstrate how to quickly and effectively duplicate the weathering of rolling stock with a number of non-solvent or non-toxic materials to provide a more realistic look.