

33rd National Narrow Gauge Convention - Clinic Line Up

Clinic # 1: Dirt to Dust, Oil to Rust

Clinic Presenter: Booth Jimmy

Clinic Subject: Using 21st century techniques to weathering turn of the century models. This fast paced clinic will get modelers thinking outside the box when it comes to weathering models in this modern era using normal household items such as hair spray, salt, and many different painting mediums to develop contest level results in a shorter period of time than normal. Focus will be on distressing RTR Narrow Gauge freights cars and laser cut structures for a canvas to explore these new techniques.

Clinic # 2: HO Construction Equipment

Clinic Presenter: Bracher Eric

Clinic Subject: Eric's clinic will cover how to build construction equipment kits that he manufactures; he has over 20 different kits. He will show photos of various completed models of construction equipment and discuss the era's they represent. Nothing is more distracting to your layout then a modern back hoe on a 1920's layout.

Clinic # 3: Geodesic Foam Scenery

Clinic Presenter: Bragdon Joel

Subject: In this 2 hour clinic Joel will present an in-depth and comprehensive look at all aspects of building scenery from resin materials. A mountain railroad diorama will be built during the clinic from the bench-work up. Foam bench-work and roadbed, foam hard-shell and resin, and foam rock casting will be demonstrated. Also realistic coloring of rocks and scenery plus final detailing will be covered.

Clinic # 4: Mold Making, Casting and Painless Weathering.

Clinic Presenter: Bragdon Joel

Clinic Subject: In this 2 hour clinic Joel will cover the art of making various RTV rubber molds for reproducing detail parts, cars, vehicles, structures or almost anything. One piece, multi piece and split molds will be demonstrated. Casting with a variety of materials will be shown including space age, safe and odorless polymer resins. Over two hundred sample molds and casting will be shown to illustrate the great number of options. The second part of this clinic will cover a broad range of weathering methods, materials and techniques some traditional old favorites and some new or little known. Weathering wood, metal, plastic, paper and plaster for model cars, structures, details and scenery and much more will be demonstrated. Near the end of the clinic the attendees will be invited to try their hand with some of the materials and techniques that they have seen and leave the clinic with some samples.

Clinic # 5: Modeling with Micro LEDs (Light Emitting Diodes)

Clinic Presenter: Bunza Geoffrey

Clinic Subject: This clinic will look into new surface mounted device (SMD) light emitting diodes (LEDs), how to work with them, how to light them up and put them into some really interesting places. We will cover how you wire and power LEDs in different types of modeling situations for different effects, in an easy straightforward fashion. Opportunities exist for lighting the “un-lightable”: desk lamps, hand kerosene lamps, marker lamps, classification lights, number boards, crossing gates, ditch lights, vending machines, gas pumps, etc. What can you model if you had a bright light the size of an HO scale light bulb? Come and find out!

Clinic # 6: Control for Scale Model Animation Including DCC

Clinic Presenter: Bunza Geoffrey

Clinic Subject: Sequencing a series of actions (movements, lights and sounds) is fundamental to creating activity, interest, and excitement on your layout. In this clinic we will take a look at different ways to control and sequence "animated scenery" and even trains. We will consider the pros and cons of using simple circuits, computer control via JMRI software, and Arduino microcontrollers for sequencing, decision-making, and adding variety to layout animation. We'll take a look at a few methods for triggering (starting) activity too. Want to make your factories and buildings come alive? Maybe you want to conjure up a storm sometime? This clinic can help you get started!

Clinic # 7: Tools for Model and Scratch Building

Clinic Presenter: Burgess Jack

Clinic Subject: In this presentation, Yosemite Valley Railroad modeler Jack Burgess will talk about tools that can help a modeler build better models and work more accurately. Tool suggestions and recommendations will run from clamps and high-quality tweezers to power tools such as disc sanders and drill presses. Here is your opportunity to learn about some tools you may have never used.

Clinic # 8: Architectural Engineering for Model Railroads

Clinic Presenter: Carnighan Mark

Clinic Subject: Have you ever looked at a model scene and wondered why one looks more right than another, even though the model building skills are equal. This PowerPoint clinic presented by Mark will present the various common design standards and “rules of thumb” used in Architectural design and site planning. By knowing and applying the basic design rules both scratch built and kit-bashed structures can be built to look more realistic. And by using simple site design and civil engineering guidelines, the placement of the structures and their surrounding support elements also can be more realistic.

Clinic # 9: The Railroad that Ran By the Tides (The IR&N)

Clinic Presenter: Clemmens Mark

Clinic Subject: The IR&N was a fifteen mile, three foot narrow gauge railroad in the southwest corner of the State of Washington. Built in 1888, it ran from the Columbia River at Ilwaco, WA to Nahcotta, WA on Shoalwater Bay as a "bridge" line -- interdependent with the operation of steamships on both ends. The railroad obtained its nickname because Ilwaco was a shallow water port with 8 to 10 foot tides and the steamships could only access the port at high tide, thus the railroad operated on a changing schedule to meet the ships. In 1900 it became a subsidiary of the Union Pacific Railroad and was soon extended 13 miles upriver to a deep water port that allowed operation on a fixed schedule. The railroad survived until 1930.

Clinic # 10: Rescue & Restoration C&S Caboose 1008

Clinic Presenters: Farmer Bob
Farmer Richard
Hess Randy

Clinic Subject: In narrow gauge references, you'll find that C&S bobber caboose 1008 was scrapped in 1942 in Leadville. Long thought lost, this survivor was "rescued" in December 2010 from a private home in Northridge, California. Surprisingly intact 70 years after retirement, restoration of the 1008 is now in progress. This clinic will review the history of the 1008 on the Denver - Leadville division of the DSP&P/C&S and what is known of its travels since. The restorer/presenters will show the amazing condition of the caboose as found, and some of the history they've uncovered going back to the original construction of the "waycar" for the DSP&P in 1883. In particular, study of the many paint layers on original materials has led to some surprising finds. The goal is to bring the 1008 back into operation while retaining the historic fabric. On going restoration work toward this end will be discussed in some detail, including the methods for repair of old parts and creation of new, with examples on display.

Clinic # 11: Narrow Gauge Simulation with Trainz

Clinic Presenter: Gibbs Bobber

Clinic Subject: Over the past few years, Bobber has developed a passion for simulated narrow gauge railroading with Trainz computer software and has prepared this intriguing clinic. With this program, one can design and operate multiple "layouts" with any type of equipment in any scale, any era and any part of any country on a middle-of-the-road home computer. Imagine double-headed 2-4-4-2 steamers, headlight aglow, belching black smoke and escaping steam, rolling down a steep grade with a heavy log train, around a sharp curve on a high trestle, at night in a fierce thunder and lightning storm with the wheels and brakes squealing and the whistle screaming.... now, switch to the cab view and watch the engineer, in his seat, turn his head to check his train and turn back again to the rails ahead...If this intrigues you this is a must see clinic for you

Clinic # 12: A Tribute to the late Bruce Maxwell the C&S, Black & White Photos

Clinic Presenter: Guggenheim Rodney

Clinic Subject: Rod will present about 150 Black and white photos from the late Bruce Maxwell's collection and from Bruce's father's collection of the C&S to the railroad closed in 1942.

Clinic # 13: A tribute to the late Bruce Maxwell the C&S Color Photos

Clinic Presenter: Guggenheim Rodney

Clinic Subject: Rod will present about 150 color photos from the late Bruce Maxwell's collection of the C&S to closing in 1942.

Clinic # 14: The RGS Mile by Mile

Clinic Presenter: Guggenheim Rodney

Clinic Subject: Rod will present photos from Maxwell's, Chione, and his own collection of the RGS from Ridgeway to Durango with slides of (Glenco to Haycamp Road) about 6.2 miles of ROW. This area fills in the section from Dolores to Mancos which has not been well documented in the past.

Clinic # 15: The SP Narrow Gauge in Owens Valley

Clinic Presenter: Guggenheim Rodney

Clinic Subject: This presentation of 200 photos will document SP Narrow Gauge from Laws to Keeler and include section maps and historic photos combined with photos from the 1950 that will show the trains along this remaining section of the line. The section from Laws to Keeler was abandoned on April 30, 1950.

Clinic # 16: Hand Laying Highly Detailed P:48 Track

Clinic Presenter: Harper Jim

Clinic Subject: Jim who is the owner of Red Cliffs Miniatures has developed a series of casting for P:48 standard and P:48 narrow gauge scale turnouts frogs, points and guard rails that will simplify their construction. His Power Point presentation will take you step by step through building highly detailed and realistic looking track and turnouts and the basic hand laying techniques are applicable for any scale.

Clinic # 17: Scratch Building & Weathering Structures

Clinic Presenter: Harris Steve

Clinic Subject: In this presentation, Steve will discuss how he scratch-built some of the structures on his HO_{n3} RGS layout. He will cover topics including drawing plans from prototype photos, building in styrene, plaster and wood; using different weathering techniques, scratch-building tips; and mounting structures on a layout.

Clinic # 18: It's All About the C&S

Clinic Presenter: Harvey Duncan

Clinic Subject: This clinic is all about supplying inspiration for modeling the Colorado and Southern (C&S). Duncan will cover the neat modeling features (such as type of smokestacks, color of refrigerator cars, types of locomotives and so forth), geography, history and legends, interesting people, advanced architecture and engineering features employed, and the operational advantages provided by this line. And interesting things that most people are totally unaware of, but that provide variety and fodder for modeling. This clinic will appeal to those not yet decided on what road to model and those interested in the features of Colorado's large, but less known lines.

Clinic # 19: Narrow Gauge Steam Prototype Sound & Operation

Clinic Presenter: Ireland Jarrette

Clinic Subject: Take a close look at the operation of a steam locomotive and learn all about the different sounds from the parts found on some of the most famous narrow gauge steam locomotives. After taking a close look at the prototype locomotive's sounds Jarrette Ireland (Manager of Sales and Support for SoundTraxx) will show you how to use state of the art sound decoders from SoundTraxx to simulate the most realistic narrow gauge operations on your layout.

Clinic # 20: The Narrow Gauge Coach Nahcotta.

Clinic Presenter: Kobes Gary.

Clinic Subject: The Nahcotta was one of approximately 170 narrow gauge passenger cars built by the Pullman Company. Ordered by and constructed for the Ilwaco Railway and Navigation Company in 1889, it remained in service until the end of the railroad in 1930. It was restored by a private party in the mid 1960's and in 2003 it was donated to the Ilwaco Heritage Museum (now Columbia Pacific Heritage Museum) where it resides today. Preservation status; sources for history and data on Pullman coaches; measured plans.

Clinic # 21: Columbia River Jetty Construction Railroads.

Clinic Presenter: Kobes Gary

Clinic Subject: Concurrent with the IR&N in southwest Washington, within 10 miles of Ilwaco there were a series of three foot narrow gauge railroads used by the US Army Corps of Engineers on a number of jetty projects (The Columbia River North and South Jetties, the A Jetty and the Sand Island spur dams). These projects spanned the period from 1885 to 1940. Focus on unique construction railroad equipment and construction methods.

Clinic # 22: Modeling a Realistic Western Forest

Clinic Presenters: Maxwell Burton & Pat

Clinic Subject: In this informative PowerPoint & Hands On clinic, Burton and Pat Maxwell combining a little history of the West Side Logging Company with a lot of hands-on tips on modeling that could apply to any logging railroad layout. From design, through construction, to buildings, rolling stock and scenery, Burton and Pat share practical information to make a logging layout look so real, you'll swear you smell pine trees and sawdust.

Clinic # 23: West Side Lumber Company: Train Operations & Layout Modeling

Clinic Presenter: McCartney Tim

Clinic Subject: The clinic will review the train operations of the West Side Lumber company of Tuolumne California with an emphasis on recreating prototypically correct applications to model layouts of all sizes. In addition ideas will be suggested to utilize the West Side's extensive non-revenue car roster and add interesting switching operations to a single commodity logging line.

Clinic # 24: Unlocks the secrets of the Soundtraxx Tsunami decoder

Clinic Presenter: Moignard Mick

Clinic Subject: The clinic we'll offer a number of installation tips and suggestions, with the bulk of the session devoted to programming the decoder to get the ultimate imitation of the prototype. We will concentrate on steam locomotives, but recognize that many of the principles are applicable to diesels too. You'll go away with hints and tips for your next installation and be ready to improve the programming of your existing fleet. Questions will be answered during the clinic."

Clinic # 25: Modeling the Sonoran Desert

Clinic Presenter: Niner Verne

Clinic Subject: This clinic will feature tips for modeling realistic Sonoran Desert scenery. Verne will share techniques he uses to capture this unique scenery in miniature. A brief description of what makes the Sonoran Desert unique will provide a foundation for creating your own convincing scenes. Saguaro cacti, yucca, and other common desert plants will be discussed, along with typical landforms. Modeling methods will be explained with photos of the real thing combined with sample models.

Clinic # 26: Operating trains with link and pin couplers

Clinic Presenter: Niner Verne

Clinic Subject: In this clinic, Verne will demonstrate proven techniques for using link and pin couplers on his 1:48 scale trains. Do's and don'ts, operating recommendations and examples of installations on typical cars and locomotives will be demonstrated with photos and display models. Nothing looks better on the pilot of a small narrow gauge locomotive than a link and pin drawhead...you too can move beyond 'knuckle dependency' and discover the fun world of link and pin!

Clinic # 27: Cars of the Carson & Colorado: A Tentative Overview

Clinic Presenter: Norden Brian

Clinic Subject: This is a PowerPoint presentation using vintage photographs, and other illustrations to review the passenger and freight cars of the Carson & Colorado prior to the sale of the line to the SP and the resulting Tonopah Boom that caused additional equipment to be brought onto the line.

Clinic # 28: The Carson & Colorado over Montgomery Pass (Higher than Donner)

Clinic Presenter: Norden Brian

Clinic Subject: This is a PowerPoint presentation using both vintage and present-day photographs to illustrate the construction of the railroad over Montgomery Pass. Quotes from the letters of H. M. Yerrington to D.O. Mills are used to help tell the story. This crossing of the White Mountains was higher and steeper than Donner Pass; the railroad had deep cuts and tall fills, twists and turns, and a tunnel to make this difficult crossing.

Clinic # 29: Looking at the Carson & Colorado a tour over the line with vintage photographs

Clinic Presenter: Norden Brian

Clinic Subject: This is a PowerPoint presentation using vintage photographs to illustrate the route, general country and facilities of the Carson and Colorado Railroad.

Clinic # 30: Painting and Weathering Stone & Concrete for Walls and Roads

Clinic Presenter: Simmons Jimmy

Clinic Subject: Jimmy will demonstrate various painting and weathering with powders to create realistic looking stone and concrete walls and roads.

Clinic # 31: Advanced modeling Techniques using Weathering Powders.

Clinic Presenter: Simmons Jimmy

Clinic Subject: In this clinic Jimmy will show you how to create with weathering powders realistic looking Worn Metal, and Rust. He will also demonstrate various uses of weathering powders as a wash, how to paint with weathering powders and how to blend and finish weathering powders.

Clinic # 32: Inland waterways - A photographic look at paddle wheelers, barges, transfers, wharfboats, dredges, and warping tugs

Clinic Presenter: Small Andy

Clinic Subject: A photographic look at various watercraft associated with the inland waterways of North America. "Like peas and carrots" the history of North America's inland waterways are tied to the history of rail service. You are welcome to attend this photographic study of the various commercial aspects of our water highways, where vessel draft and environment greatly impacted the design and use of these craft. This clinic will cover the steam powered paddlewheel towboats that plied the Western rivers up until the 1960s, the rafters that moved timber, and the Pacific Northwest steamers that were the lifeblood of that region. The clinic will also look at the dredges that cut massive irrigation ditches throughout the plains, simple rail transfers, the wharfboats that where the local piers and storehouses, shipways, the small local ferries (both steam and horse powered) that connected communities, and the small amphibious "Alligator" warping tugs that were the mainstay of Canadian logging industry. Attendees will come away with online resources and list of print references, a mini CD-ROM with photograph subjects, and maybe some new and creative modeling ideas.

Clinic # 33: Painting Back Drops

Clinic Presenter: Stangler Mike

Clinic Subject: Mike will demonstrate various techniques he uses to paint backdrops. He will discuss the various types of paint used, brushes and how each is used, and how to use color to create depth

Clinic # 34: Dead Rail Society

Clinic Presenter: Steinmetz Pete

Clinic Subject: Tired of cleaning track? Do not want to wire your layout? We have just the clinic for you! The Dead Rail Society is a group of individuals that use battery power and radio control to run their locomotives. This clinic will discuss how to control locomotives with sound decoders, batteries and radio control. Dead Rail can be used with or without current DCC systems. Pete will tell you how to integrate Dead Rail into your locomotives and set up your layout. Currently available radio systems will be discussed. Battery discussion will include availability, size, sources, and how to safely charge batteries. Experts who installed these systems will be on hand. Audience participation is encouraged.

Clinic # 35: Cuban Narrow Gauge Sugar Trains 2000 - 2013

Clinic Presenter: Treves Jack

Clinic Subject: This clinic features video from most of the working narrow gauge mills that was shot during the 1999-2000 Zafra (Zafra is the Spanish Cuban word for harvesting). 2000 was one of the last years of steam glory in Cuba, with 150 mills (narrow and standard gauge). Today, there

are less than 50 operating mills, with no more narrow gauge railroads or steam. To keep the memory of Cuban Narrow Gauge Steam alive, 2013 will be represented by a video of a model Cuban narrow gauge mill (On30 scale) with views of its construction and an operating session.

Clinic # 36: Building Layout Stuff - 1- Structures

Clinic Presenter: Vail Jim

Clinic Subject: In this presentation, Jim will discuss various techniques for building models of bridges, trestles and structures that he used in the building of his Glenwood & Black Creek narrow gauge layout including materials used, painting & weathering.

Clinic # 37: Building Layout Stuff - 2- Rolling Stock & Details

Clinic Presenter: Vail Jim

Clinic Subject: In this presentation, Jim will discuss various techniques for building models of rolling stock, vehicles and various details that he used in the building of his Glenwood & Black Creek narrow gauge layout including materials used, painting & weathering.

Clinic # 38: Modeling a Country Grain Elevator

Clinic Presenters: Van Arnem Bob

Clinic Subject: In this presentation, Bob will share his research information that includes historic photos, diagrams, prototype operation and other information about grain elevators. He will also show his scratch-building techniques and how he used jigs and fixtures in the models construction. The prototype and model were featured in August 2009, and August & September 2012, issues of Railroad Model Craftsman.

Clinic #39: The Ghost of Gasoline Alley

Clinic Presenter: Wehr Richard

Clinic Subject: Richard will present a history of the American Gasoline Station, the research and resources available to the modeler, and examples of Kit built and Scratch-built model gas stations by some of the best modelers across the United States. This is a must attend clinic if you are planning to model a gas station on your layout.

Clinic # 40: Layout Sound the Other Image

Clinic Presenter: Wells Jim

Clinic Subject: An honest overview and discussion about sound for the layout (off board off line). The clinic will look at the nature of human hearing and scale sound, the current state of the art, and the future of sound within the hobby, followed by a lively question & answer session.

Clinic # 41: Sound as a Serious Scale Model

Clinic Presenter: Wells Jim

Clinic Subject: Any sound is more fun than silence, but our layouts should (and can!) sound...as believable as they look. This clinic will be an honest examination of the difference between “toy sound” and what constitutes a genuine scale sound model. We will briefly look at the things that make a quiet sound sound big, and how sound can be kit bashed, or scratch built. The session will end with a Q & A session.