

Trainfest 2019						
Saturday						
Clinic Room #1						
	10:00AM	11:00AM		1:00PM	2:00PM	3:00PM
Title	Introduction to Scratchbuilding with Styrene	How To Model New England		An Overview of Railpro Radio Control V:S DCC and DC	Lighting Your Scenery Without Wiring - A Novel Approach	Using RFID for Model Railroad Operations and Inventory
Clinician	Les Kauffeldt	George Dutka and Don Jones		Andy	Dr. Michael Groves	Carlton Brown and Blaine McDonnell
Group	Niagara Frontier Division NMRA	Niagara Frontier Region NMRA		an individual modeler	Dwarvin Enterprises Ltd.	TrainTraxx
Description	This is a clinic that explores the use of Styrene as a building material. What styrene is and the textures and shapes that are available. Use of adhesives and tools will be presented. Demonstration of building a simple structure.	Looking at New England scenes, structures, rolling stock and engines from the 1950's and how one can model them. George and Don's New England Theme railroads have been featured numerous times in Model Railroader and Railroad Model Craftsman.		Using a video camera we will cover the components of Rail Pro, show a typical decoder installation, programming, and basic functions of the system using the handheld touchscreen. We will also cover consisting.	You will learn the art to implement scenery lighting in minutes, without wiring, using a revolutionary system. Lighting scenery adds sparkle to the detail you have worked hard to create. However, for most of us it takes a lot of forethought, or we end up with a wiring spaghetti. In this talk I will cover advances in lighting, what led me to develop the Dwarvin fiber optic lighting system, and how to use it. A very high intensity light source allows the use of fiber optics for you to design lighting into your buildings, street lamps, cars, trees...whatever you can imagine. A hands-on demonstration will be provided.	Our presentation will take the model railroader through how you can use RFID for railroad layouts operations and inventory management. The topics covered would be: What is RFID, how does RFID work, RFID frequencies and tag types, getting started with TrainTraxx application and JMRI RFID integration.
Clinic Room #2						
	10:00AM	11:00AM		1:00PM	2:00PM	3:00PM
Title	Big Rock - A Typical Small Town On The Burlington	Where Nature Smiles For 300 Miles: Q Passenger Trains Along The Mississippi		The Burlington Route Main Line: Trackside Landmarks from Chicago to Plano, IL	Land Of The Burlingtons	Mark Twain Zephyr
Clinician	Jon Habegger	Bryan J. Howell		Robert and Kandace Tabern	David Wilson	Dave Lotz
Group	Burlington Route Historical Society	Burlington Route Historical Society		Midwest Rail Rangers	Burlington Route Historical Society	Burlington Route Historical Society
Description	Big Rock, Illinois, is a small community about 12 miles west of Aurora at Milepost 50 on the C&I line of the Chicago, Burlington and Quincy Railroad between Chicago and the Twin Cities. Big Rock was a typical rural town. Learn how a small town such as Big Rock was served by the Burlington over the years. Photos from years past and present will be shown along with information from employee and public timetables.	Beginning in the early 1900's, the Q advertised their Chicago-Twin Cities Passenger Service as "Where Nature Smiles 300 Miles," describing the scenic run on the Eastern bank of the Mississippi River from Savannah, Illinois to St. Paul, Minnesota. This clinic is a look at the passenger trains that traversed this line including the Q's own Twin Cities Zephyr, along the Great Northern's Empire Builder and the Northern Pacific's North Coast Limited, especially in the dome years starting in 1945 and continuing until the BN merger in 1970. Numerous photos of the trains will be included along with typical consists and period timetables. A must see for passenger train aficionados!		The Burlington Route Main Line between Chicago and Galesburg, Illinois is one of the most historic routes in the Upper Midwest. From historic stations to trackside landmarks and the history of the towns along the way...join Robert and Kandace Tabern with the Midwest Rail Rangers to learn about the people, places, and history along the 161-mile-long route between Chicago and Galesburg. Part 9 (Chicago to Plano) will be presented Saturday and Part 2 (Plano to Galesburg) will be presented on Sunday. The Taberns will also be signing copies of their route guidebook for the route.		The Burlington's Mark Twain Zephyr was the third Zephyr inaugurated, but is one of the lesser known Zephyrs. Its daily, 442 mile round trip, St. Louis to Burlington, Iowa, lasted from October of 1935 until its discontinuance in May of 1963. The four care articulated trainset had a very interesting career both on and outside of its intended route. In this clinic you will learn of its record setting speed run, service as the Advanced Denver Zephyr as well as other routes it served. You will learn of the operating advantages of articulation and well as its challenges. You will learn of an unexpected and unbelievable collision and unsuccessful efforts to restore the train.
Clinic Room #3						
	10:00AM	11:00AM		1:00PM	2:00PM	3:00PM
Title	What's Up On The Roof	How To Build L-Girder Benchwork		Maintenance and Lubrication of Rolling Stock and Track	LCC: A Non-Technical Introduction and Overview	Enhance Your Operations with Tsunami2
Clinician	Brion Oakley	Chuck Gevaert		Harry Kannry	Stuart Baker	George Bogatiuk
Group	BSN N Scale Model Railroaders Rail Roaders	Oconomowoc Historical Society Museum		Aero-Car Hobby Lubricants, Inc.	Brian Barnt	SoundTraxx
Description	The goal of this clinic is to help the model railroader enhance the prototypical appearance of model structure roofs. The clinic will include a survey of HVAC equipment. We will explore the reasons behind the ventilation process with emphasis on the proper selection and placement of HVAC equipment for a variety of applications. We will also look at commercially available products as well as scratch building options.	In this presentation the experienced model railroader will discuss how and why to build his latest layout using L-girder design techniques. The advantages of L-girder benchwork include sturdy construction, flexible design, easier assembly and easier repositioning. This technique does not require a master carpenter.		We will discuss the proper methods of lubricating rolling stock and engines. We will also discuss properly cleaning track.	Defining what LCC is (...and is not), the benefits of LCC, and its comparison with other / proprietary systems, what capabilities does LCC have (signaling, accessory control, etc)...demonstration of a working LCC layout with the latest products including a working LCC compatible DCC command station and working LCC signaling and turnout control, and a summary of the current state of LCC as well as a vision for the future.	Come dive into Tsunami2 and see how this popular decoder can help enhance your operations on your layout. We'll go through operation scenarios including switching, mainline operations, yard hosting and more. We'll show you how much fun you can have simulating real railroad operations.
Clinic Room #4						
	10:00AM	11:00AM		1:00PM	2:00PM	3:00PM
Title	The Devil's in the Detail	Current Topics in Steel Mill Modeling		How To Use All The New Flexible Chooch Scenery Products		Model Railroad Photography
Clinician	George Riley	John Muntean		Mike O'Connell		Dave Rickaby
Group	White River Productions	Steel Mill Modelers Special Interest Group		Chooch Enterprises		Wisconsin and Michigan Model Railroad Club
Description	This clinic features tips and techniques for improving your railroad.	The interest in steel mill modeling continues to show strength as model railroaders continue to strive to achieve historical, visual and operational realism. The SMMSIG has been holding annual meets for 15 years where current activities of the members are presented. This presentation will provide an update on current topics as well as more detailed information on a specific historical aspect of the steel making process.		Mike O'Connell, owner of Chooch, will demonstrate all the new Chooch flexible scenery products. You will see our new flexible brick walls, flexible roadways and textured walls. There are more than 35 items coming out this year! You will see everything in the Chooch line and learn how to install, paint and weather each new item.		While there are many different ways to photograph model railroads, I would like to share my ideas and techniques, and would hope that shared information will encourage you to try what I've learned. We will briefly cover my personal journey and move on to the more important and technical aspects of how to do it. This includes the use of Helicon Focus software, lighting composition and model railroad photography as an art form. Many photos of my work will be used to illustrate what I'm trying to get across.
Glass Conference Room #1						
Title						3:00PM
Clinician						3-D Printing Basics
Group						Joe Russ
Description						Wisconsin SouthEastern Division NMRA
						This clinic will cover the basics: what a PLA printer does, how it works, resources for getting files to print and basic software for creating your own files. Samples will be printed on a Dremel 3D printer during the clinic.

Sunday					
Clinic Room #1					
	10:00AM	11:00AM	12:00PM	1:00PM	2:00PM
Title	Introduction to Scratchbuilding with Styrene	How To Model New England	Using RFID for Model Railroad Operations and Inventory	An Overview of Railpro Radio Control V: S DCC and DC	Lighting Your Scenery Without Wiring - A Novel Approach
Clinician	Les Kauffeldt	George Dutka and Don Janes	Carlton Brown and Blaine McDonnell	Andy	Dr. Michael Groves
Group	Niagara Frontier Division NMRA	Niagara Frontier Region NMRA	TrainTraxx	an individual modeler	Dwarvin Enterprises Ltd.
Description	This is a clinic that explores the use of Styrene as a building material. What styrene is and the textures and shapes that are available. Use of adhesives and tools will be presented. Demonstration of building a simple structure.	Looking at New England scenes, structures, rolling stock and engines from the 1950's and how one can model them. George and Don's New England Theme railroads have been featured numerous times in Model Railroader and Railroad Model Craftsman.	Our presentation will take the model railroader through how you can use RFID for railroad layouts operations and inventory management. The topics covered would be: What is RFID, how does RFID work, RFID frequencies and tag types, getting started with TrainTraxx application and JMRI RFID integration.	Using a video camera we will cover the components of Rail Pro, show a typical decoder installation, programming, and basic functions of the system using the handheld touchscreen. We will also cover consisting.	You will learn the art to implement scenery lighting in minutes, without wiring, using a revolutionary system. Lighting scenery adds sparkle to the detail you have worked hard to create. However, for most of us it takes a lot of forethought, or we end up with a wiring spaghetti. In this talk I will cover advances in lighting, what led me to develop the Dwarvin fiber optic lighting system, and how to use it. A very high intensity light source allows the use of fiber optics for you to design lighting into your buildings, street lamps, cars, trees...whatever you can imagine. A hands-on demonstration will be provided.
Clinic Room #2					
	10:00AM	11:00AM	12:00 PM	1:00PM	2:00PM
Title	Twin Cities Zephyr	Building Burlington Route Structures	Creating Billboards for the Baden, Vogt and DeSmet	The Burlington Route Main Line: Trackside Landmarks from Plano, IL to Galesburg	The Burlington's Fox River Branch-50,000 Cars A Year On A Branch
Clinician	Warren Hansen	Greg Baumgardner	Dave Ackmann	Robert and Kandace Tabern	Leo Philipp
Group	Burlington Route Historical Society	Burlington Route Historical Society	Gateway Division NMRA	Midwest Rail Rangers	Burlington Route Historical Society
Description	This clinic will provide a history of the trains, covering the evolution of the equipment from the original shovel-nose Zephyrs to the later Vista Dome equipped consists. He will talk about scheduling and on-time performance, and include photos, timetables, and other materials related to the trains.	This presentation will cover building HO model structures that represent those commonly found on the CB&Q Railroad including depots, interlocking towers, water towers and coal chutes. Areas covered will include scratch building, commercially available kits that are specific to the Burlington and modifying non-Burlington kits to reasonably represent Burlington prototypes.	Along the prototype, billboards are everywhere, but are not nearly as common on our layouts. This clinic will teach you how to make your own. You will learn how to find billboard art on the internet, and how to capture the images to your Windows-based Personal Computer. You will learn how to size the images for use as billboards or posters, and then print them on decal paper. Using styrene, you will learn how to construct billboard support structures for use along roadways. Information on creating fixtures to make construction easier will be shared. This is an excellent tutorial for the first-time scratch builder as well as anyone interested as providing roadside advertising for their layout's industries and products.	The Burlington Route Main Line between Chicago and Galesburg, Illinois is one of the most historic routes in the Upper Midwest. From historic stations to trackside landmarks and the history of the towns along the way...join Robert and Kandace Tabern with the Midwest Rail Rangers to learn about the people, places, and history along the 161-mile-long route between Chicago and Galesburg. Part 9 (Chicago to Plano) will be presented Saturday and Part 2 (Plano to Galesburg) will be presented on Sunday. The Taberns will also be signing copies of their route guidebook for the route.	History of both passenger and freight operations on the Montgomery to Streator, Illinois branch that served the largest silica sand mines in the world and some of the largest glass manufacturers in the United States. Streator was known as the bottle capitol of the country. The branch was a typical Midwestern agricultural branch with a heavy haul focus.
Clinic Room #3					
	10:00AM	11:00AM	12:00PM	1:00PM	2:00PM
Title	The Devil's in the Detail	Maintenance and Lubrication of Rolling Stock and Track	What is T-TRAK	What's Up On The Roof	LCC: A Technical Introduction and Overview
Clinician	George Riley	Harry Kanny	Joe Ludley	Brion Oakley	Stuart Baker, Brian Barnet, Karl Kobel
Group	White River Productions	Aero-Car Hobby Lubricants, Inc.	Iowa Central Modular RR	BSN N Scale Model Railroaders Rail Roaders	NMRA LCC(Open LCC Working Group)
Description	This clinic features tips and techniques for improving your railroad.	We will discuss the proper methods of lubricating rolling stock and engines. We will also discuss properly cleaning track.	Tells the history of T-Trak, tell why it is popular, show the standards for each scale. Reference is given to the websites. The clinic then moves to N scale which is the most popular with details of modules, layouts & pictures. Pictures are some of the various sizes and shapes of modules.	The goal of this clinic is to help the model railroader enhance the prototypical appearance of model structure roofs. The clinic will include a survey of HVAC equipment. We will explore the reasons behind the ventilation process with emphasis on the proper selection and placement of HVAC equipment for a variety of applications. We will also look at commercially available products as well as scratch building options.	This session is intended to be highly technical. The details of LCC and OpenLCC protocols world will be presented and discussed. This is considered training for anyone interested in the production of an LCC product (professional, kit, DIY, etc...), or anyone who wants to better understand the details of how LCC and OpenLCC protocols work. Several of the LCC product design pitfalls (to be avoided) will also be presented and discussed. Allk of the proposed protocols go through a period where they are available for public comment. This session provides good background and training for anyone who is wishing to review proposed LCC standards ahead of adoption by the NMRA.
Clinic Room #4					
	10:00AM	11:00AM		1:00PM	
Title				Current Topics in Steel Mill Modeling	
Clinician				John Muntean	
Group				Steel Mill Modelers Special Interest Group	
Description	Midwest Region NMRA Meeting			The interest in steel mill modeling continues to show strength as model railroaders continue to strive to achieve historical, visual and operational realism. The SMMSIG has been holding annual meets for 15 years where current activities of the members are presented. This presentation will provide an update on current topics as well as more detailed information on a specific historical aspect of the steel making process.	
Glass Conference Room # 1					
		11:00AM			
Title		3-D Printing Basics			
Clinician		Joe Russ			
Group		Wisconsin SouthEastern Division NMRA			
Description		This clinic will cover the basics: what a PLA printer does, how it works, resources for getting files to print and basic software for creating your own files. Samples will be printed on a Dremel 3D printer during the clinic.			