

Presenter	Topic	Description
Mike Berry	Arduinos Part I	An intro to some of the areas of model railroading where Arduino micro controllers excel -- and where to get them.
Mike Berry	Arduinos Part II	A brief summary of Part 1 followed by a deeper dive into the world of Arduinos. Demos of a couple of projects of interest to many.
Mike Berry	Dimensional Loads from Three Perspectives	Mike Berry shares about Dimensional Loads from the perspective of the Car Man, Steve Lasher tells the Engineer side, and Bob Frankrone discusses how modelers can create believable loads.
Chris Broughton, MMR®	Micro Layout Building Challenge	Construction of an operational HOn30 layout inside a 9" X 13" Football display case. Part of the "2020 Small Layout Challenge" posted on smallmr.com.
Chris Broughton, MMR®	Layout Scenery Revisions & Updates	Before and after photos showing how I replaced ground foam ground covering with static grass on my layout.
Rob Cooper	L & N Layout Tour - HO Scale	The Louisville and Nashville Railroad in the 1950s through Central Kentucky point to point operated with the Ring Engineering RailPro system and dispatched under train orders with car cards and weigh bills. The last part of an operating session turns into night with blue Dimmable LEDs in the drop ceiling to simulate night Ops.
Bob Dawson	The Arbegust Branch, A Railroad You Can Model	A Pennsylvania RR industrial branch that lends itself to be modeled as a stand-alone switching layout, or as part of a larger layout.

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Bob Dawson	The Hub Track, A Railroad You can Model	A Louisville & Nashville RR/Southern Railway joint branch, featuring industrial switching and interchange that lends itself to be modeled as a stand-alone switching layout, or as part of a larger layout.
Bob Dawson	Louisville's Forgotten Railroad, The Civil War U.S. Military Railroad	How General Sherman's Atlanta Campaign instigated the need to move large amounts of military supplies by rail from the North Eastern U.S. to the deep south.
Paul Downs	L&N Grade Separation Project	An elevated concrete RR viaduct built from styrene. Techniques include using a NWSL Chopper to create multiple copies of a part, simulating concrete forms with dimensional styrene, and building large structures with styrene.
Paul Downs	Scratchbuild Shotgun & Camelback Houses - N Scale	Creating multiple copies of 3 designs of working-class homes. Techniques include using jigs, templates, the NWSL Chopper , and the NWSL Duplicutter to create multiple copies of a part, and using a metal dial caliper to scribe precise openings for doors and windows.
Bob Frankrone	Adding a Scene in 15 Easy Steps	Learn how easy it is to add a three square foot scene to a bare spot on a layout.
Bob Frankrone	Love Those Loads	A look at creating open load models from kits, scratch building, and using miscellaneous materials.
Bob Frankrone	Operations on the Louisville Southern Lines	Learn how to create operations on a layout that was not designed to operate.
Bob Frankrone	Promontory: Past and Present	A look at the completion of the Transcontinental Railroad in 1869 and how Promontory looks 150 years later.

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Bob Frankrone	Tourist and Scenic Railroads of the Northeast VOL I	Visit and ride five railroads located in the northeast.
Bob Frankrone	Tourist and Scenic Railroads of the Northeast VOL II	Visit and ride four railroads located in the northeast.
Bob Frankrone	Tourist and Scenic Railroads of the Northeast VOL III	Visit and ride five railroads located in the northeast.
Mark Norman, MMR®	Building Cars-A Structured Approach	Aha! Moment when I realized cars are structures with wheels below. A structured approach to scratch building cars resulted.
Mark Norman, MMR®	Your printer as a modeling tool	Learn how to print on styrene, fabric, and more.
Fred Soward, MMR®	WiFiTrax WFD-30 NCE CAB Bus/WiFi Interface	Installing, configuring, and operating an out-of-the-box wireless access point solution for NCE systems. No computer needed.
Fred Soward, MMR®	Santa Cruz & Felton Railway Layout Electrical Standards	Creating a set of standards to ease with installing, troubleshooting, and modifying layout electrical wiring and connections. Includes tips, tools, and product recommendations.
Fred Soward, MMR®	The Santa Cruz Branch - Prototype & Modeling Considerations	History of the Santa Cruz Branch, running from Watsonville Junction, CA along the coast to Davenport, CA, and into the redwoods above Felton, CA
Fred Soward, MMR®	Printing White Decals on Your Home Laser Printer	Best practices for using the "Ghost" white toner cartridges to print your own white decals at home.
Fred Soward, MMR®	Don't Throw That Trash Out With The Trash (Adventures in Repurposing for your Model Railroad)	A few examples and suggestions about how to cut down on the amount of trash going to the curb while also helping conserve your model railroad budget.
Russ Weis	Improving Ops	Seeing new possibilities to spot cars for your next ops session.
Russ Weis	Americanizing a Kibri Freight House/Improving the Batavia Freight House	Turning a European freight house into an American style building that could fit most eastern railroads.

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Russ Weis	Buffalo Engine Facility Structures	Add structures to your engine facility to make it more realistic.
Russ Weis	Introduction to Model Railroading	The basics for getting started on a model railroad - from start to finish.
Russ Weis	New York Central Railroad "Flavored" Layout	A Tour of Russ' HO Scale New York Central Railroad layout where different areas closely (but not exactly) resemble scenes on the prototype.
Russ Weis	Mail & Express Operations	An introduction to incorporating mail and express cars in your operating sessions
Russ Weis	Signaling on the New York Central Railroad	Prototype New York Central Railroad signaling using Arduino processors to animate the signals.