

The following is a list of clinics that have been confirmed or are still being worked on. Those with days and time have been confirmed.

Wednesday Clinics

How to Enter a Model in the Model Contest by Monte Heppe and Jeff English

Wednesday 6-7 PM Ridgley 1

It is important to know how best to enter your model in the NASG model contest including filling out the forms so that your model can be best evaluated. This is an opportunity to learn from past winners of the model contest how to properly enter your model.

The Calabash Switching Modules by Monte Heppe

Wednesday 8-9 PM Ridgley 1

This will be a discussion of the basic elements of a switching layout, things to consider before building the layout and planning for enjoyable operations. Lots of examples will be included showing how I did it on my Calabash Terminal Rail Road. The CTRR will be on display at the convention

Getting the passenger cars you want in S Scale by Jamey Bothwell

Wednesday 7-8 PM Ridgley 2

Jamie will show you some of the techniques he has used to improve the quality and variety of his passenger car fleet. Planned topics include laser cut sides for lightweight cars, and reconfiguring AM heavyweights to get other car types. He will also cover reference materials, decals, available detail parts, and folding those pesky paper diaphragms. Some underframe detailing will be covered if time allows.

Make and Take by Ken Zieska

Wednesday 9-10 PM Ridgley 2

Thursday 9-10 PM Ridgley 2

Ken will provide instruction on building the Monster engineer building. This kit can be used on your layout as a stand-a-lone or as a head building on another structure. There will be a fee for participating to cover the cost of the kit. (<http://monstermodelworks.com/S-Scale/S-Kits/s-scale-brick-engineers-tools-shed.html>). Be sure to bring your model building toolkit as Ken will have limited tools available. This kit has a lot of potential for use on your layout.

Thursday Clinics

How to Modify American Flyer Switches by David Avedesian

Thursday 6-7 PM Ridgley 1

David will discuss how to modify American Flyer switches for flawless operation into a yard that represents the actual spacing and operation of a real world railroad yard. You will be instructed on the way to modify the switches and track on Wednesday and then be able to visit David's layout to see it in action on Friday.

Converting AF Locos to DCC by David Horn

Thursday 7-8 PM Ridgley 2

David has elected to provide instructions on how to install a DC canned motor in an AF Steamer or Baldwin and add the DCC Controller and sound board.

How to Repair American Flyer Steam Engines by Tom Barker

Thursday 8-9 PM Ridgley 1

Tom Barker will provide detailed instructions on how to repair your AF steamers and get them running again. Limited quantities of his book will be available to help you become experts on maintenance of your steamers.

Friday Clinics

The Art of Kit Bashing by Joe Deger

Friday 3 to 4 PM Ridgley 2

Joe Deger will present a clinic showing the methods he uses to convert/kitbash American Flyer S Gauge trains into new and different locomotives and cars. The clinic will consist of a slide presentation explaining his techniques. Samples of trains that he has made will also be on hand for viewing and discussion. Deger is also the author and editor of the later editions of *Greenberg's Guide to American Flyer Trains*.

Installing People in American Model Passenger Cars by William Novak

Friday 4-5 PM Ridgley 1

Many recent products entering the S Gauge market have emphasized a greater attention to details that adds to the allure of the gauge to new and seasoned operators and collectors alike. The American Models Budd passenger car is a prime example of rolling stock that has both exterior and interior details not usually found in other S Gauge passenger cars and which also offer an opportunity to add even more detail. In this clinic Bill Novak will show how to select, prepare and install a complement of seated passengers to the existing seating in a Budd car adding even more detail and interest.

MTH's DCS System

Friday 6-7 PM Ridgley 1

Control your S Gauge layout from your smart phone! Learn how the M.T.H. iOS and Android App can be paired with the M.T.H. DCS Digital Command System to control an S Gauge layout. With DCS, you'll be able to control conventional S Gauge locomotives, TMCC and Legacy locomotives and M.T.H. S Gauge locomotives all at the same time, even on the same track. DCS and the DCS app will also provide control over S Gauge motorized switches and accessories. The hands-on demonstration is a great way to see for yourself why this intuitive and simple-to-use control system is the best way to run a model railroad.

From the Ground Up by Bob Geldmacher

Friday 7-8 PM Ridgley 2

Bob will begin this clinic with a demonstration and review of rock casting using Hydrocal plaster. This will be followed with the discussion and construction of basic landforms using readily available extruded insulation foam and plaster cloth and the placement and coloring of rock castings on that land form. To complete the scene and add great interest for the viewer, Bob will review many of Scenic Express' model landscaping supplies and demonstrate how they can be used separately or in combination to add interest with color and texture variations to any layout.

How to Repair American Flyer Diesel Locos by Tom Barker

Friday 8-9 PM Ridgley 1

Tom Barker will provide detailed instructions on how to repair your AF diesels and get them running again. While diesels are trickier to repair, Tom will show you how to do the job smoothly and see those diesels running on your layout once again.

Trees, Trees, Trees by Bob Geldmacher

Friday 9-10 PM Ridgley 2

Bob will demonstrate the use of Scenic Express Super Trees and various ground foams and Super Leaf products to make life like deciduous trees including the highly detailed Sage Brush trees. To add a slight twist to the clinic, Bob will cover and show the step-by-step procedures for making Sisal or Bottle Brush pine trees. The clinic will conclude with the construction of Tall Pines trees what will add that "WOW!" factor to your layout.

Bob Geldmacher will be available before and after each clinic to answer any scenery questions convention attendees may have or demonstrate any additional scenery techniques or products of interest.

Saturday Clinics

Learn about T-TRAK for S

Saturday 9-10 AM Ridgley 1

The modular model railroad system based on a few standards for module size, track placement, track interface, and electrical connections. The minimal standards allow for a wide range of flexibility in design yet still maintain interoperability with all modules built per the standards. The popularity of T-TRAK is worldwide allowing for modules from all over the world to connect together. Yes, it does work in "S".

The Automated Train Controls by James Ingram

Saturday 11 AM – 12 Noon Ridgley 1

The Automated Train Controls clinic will show and discuss methods of automatically controlling multiple trains on the same track. This control task consists of 2 parts: 1) the Logic and 2) the Hardware; and both will be discussed. This will include control of AC trains, DC trains, and DCC trains -- the latter using "DCC-Bitswitch" and the NMRA-compatible NCE "Mini-Panel" automatic DCC train controller. This will include both single-track layouts (no turnouts), and use of "automatic passing sidings" where a pair of turnouts are used. Discussion of sensors will include magnets & reed switches, and electric eyes. The Anderman method of using automotive relays to operate the current-hungry original American Flyer turnouts will be demonstrated. The 'AutoControls.org' automatic train control website demonstrates all these various techniques in S gauge, Large Scale, and HO gauge -- while this clinic will focus on using them for S gauge.

Introduction to Digital Command Control - Dick Schwanke

Saturday 10 -11 AM Ridgley 2

Are you considering the purchase of a Digital Command Control (DCC) system? Did you just purchase some DCC equipment and wonder "what is the next step?" If the answer to either of these questions is yes, then this workshop is for you. From the beginning with a comparison between traditional AC/DC operation and DCC operation, through discussing disadvantages and advantages of digital use, to features of starter sets, this workshop stays manufacturer neutral. During the last segment of the workshop, attendees will construct a simple layout with a passing siding, hook-up

the DCC, and operate multiple locomotives simultaneously. The presenter will be Dick Schwanke, Model Railroading Instructor at Harford Community College and local modular group member.

Automate Your Layout by Joe Heidermann

Saturday 1:00 to 2:00 PM Ridgley 2

Make your layout come alive with a little automation. What would A.C. Gilbert have done with an Arduino computer? Light some street lights? Make the cows moo? Cause a lightning storm? Come and see all this and more!

Upgrading AF & AM to TMCC by David Blair

Saturday 2:00 to 3:00 PM Ridgley 1

Want to upgrade your American Flyer or American Models Steam Engines to TMCC? The process is easy, but there are a few challenges. Using the Electric Railroad AC/DC CMDR and the Railsounds Sound board, you can give your AF engines some new life or improve the sound of your AM steamers. It is easier than you think

The Legacy 101 for S-gauge has been dropped.

David Horn has agreed to do the DC and DCC into AF locomotives.