

June 2024 Volume 17 Number 6

## Sunrise Division Officers

Superintendent.....William Boorman  
 Asst. Superintendent.....Dennis Hagen  
 Secretary.....Bob Hochstetter  
 Treasurer.....Dave Clifford  
 Program Chair.....Gary Myers  
 Division AP Chair.....Gerry Meltzer  
 Youth Coordinator.....Position open  
 Education Chair.....Stewart Jones  
 Modular Layout Chair.....Larry Stephens  
 Herald Editor.....Bob Hochstetter

## In the Herald

Layout Photos of the Month.....	1
From the Editor.....	2
June Meeting Notes.....	2
Next Meeting.....	2
Video of the Month.....	2
Upcoming Tool Time.....	2
Upcoming Clinic.....	2
Upcoming Show 'n' Tell Theme.....	2
Module Report.....	2
Announcements.....	2-4
Model Contest Results.....	4-7
Coming Events.....	7-8
Tool Time.....	8-9
Show 'n' Tell.....	9-11
Clinic.....	11-16
Reminder: Layout Tour.....	16

## Layout Photos of the Month

This month's three photographs were taken by the Editor during the layout tours at this year's Rocky Mountain Region Annual Convention on June 6 and June 7, 2024.



This idyllic scene is on Gregg Cudworth's Rio Grande Southern Nn3 layout.



This photograph was taken on Doug Jolley's incredible Denver & Rio Grande Western Sn3 layout.



And, this beautiful scratch-built depot was photographed on Mark Evans' Sn3 Rio Grande Southern layout.

### From the Editor

I attended the Rocky Mountain Region annual convention from June 5, 2024 through June 8, 2024. The convention was held in Northern Utah, specifically in the region in and around Salt Lake City, Utah.

Thank you, Dennis Hagen, for taking notes and getting the images from the presentations to make this edition of the Herald possible.

### June Meeting Notes

The regular monthly meeting of the Sunrise Division of the National Model Railroad Association was held June 6, 2024, at Holy Love Lutheran Church. Superintendent William Boorman conducted the meeting. The meeting was called to order at 7:05 p.m. Eighteen members attended in person, and one joined via Zoom.

William began the meeting by asking the members for a self-introduction, to state the scale that they modeled and to describe a current project.

Announcements, Show 'n' Tell, Tool Time, the Clinic and more followed the self-introductions. All of these and more are included in this issue of the Herald.

William adjourned the meeting at 9:00 p.m.

### Next Meeting

The next meeting will be Thursday, August 1, 2024, in person at Holy Love Lutheran Church, 4210 S Chambers Road, Aurora, Colorado. The meeting will start at 7:00 p.m. The meeting will also be streamed on Zoom with sign-in between 6:30 and 7:00.

There will be no meeting in July since the meeting date falls on Independence Day.

### Video of the Month

The RMR annual convention began with a pre-convention ride on the Heber Valley Railroad. This short video shows some of the scenes that the convention attendees saw.

<https://www.youtube.com/watch?v=FaQ2Q1GdV74>

### Upcoming Tool Time

August—TBD—??

### Upcoming Clinic

August—How I Built the Salida Sand House—Gary Myers

### Upcoming Show 'n' Tell

August—Tank Car

### Reminder

To reduce problems, especially for those who join the meeting on Zoom, we continue to ask that Show 'n' Tell photos, Clinic presentations, and Tool Time photos be taken before the meeting and sent to:

Gary Myers ([garymyers06@comcast.net](mailto:garymyers06@comcast.net)) for presentation at the meeting, and to the editor ([rlhoch422@gmail.com](mailto:rlhoch422@gmail.com)) for inclusion in the Sunrise Herald. (Ed.)

### Module Report

Larry Stephens presented the monthly modular layout report. He reported that he had obtained wires in ten colors to make trouble shooting easier and that a lot of rewiring of the modules had been done.

### Announcements

Rich Flamini called the group's attention to an article in the June NMRA magazine that featured Gary Myers' work at a recent train show and a listing of Bob Rothgery's recent scenery award. Superintendent Boorman then presented certificates to Bob Rothgery for scenery and for superior craftsmanship.



Congratulations, Gary Myers, for being elected President of the Rocky Mountain Region at the Spring Regional meeting. The full slate of officers is available at <https://rmr-nmra.org/electedofficials.htm>

### **Mother Lode Model Railroading**

Did you know that one of eBay's top rated sellers of model railroading equipment and supplies is located right here in Colorado! Mother Lode Model Railroading is pleased to announce special Mining & Prospecting hours for our Colorado based clients on the 2nd Saturday of every month except September from 8 AM – 12 Noon. In September we will be opening the Lode on 9/21.

We are located about half a mile east of I25 and the County Line Road exit at 14 Inverness Drive East, Suite A140 in Englewood, CO. We are also happy to accommodate guests by appointment most weekdays. Simply call Dan Raap at (303) 819-2937 to schedule a visit and private prospecting experience.

Come and check out the latest collections we have acquired. We have something for everyone and in all scales from Z to Fn3 and everywhere in between including thousands of pieces of brass and lots of Narrow Gauge! All inventory is on-sale when purchasing direct. We accept most major credit cards, PayPal, cash or check. Check us out online at: [www.ebay.com/str/motherlodemodelrailroading](http://www.ebay.com/str/motherlodemodelrailroading) to get a feel for what we have, but remember, we have so much more to see and select from in person! Mark your calendars for our future mining hours and please tell your modeling friends and club-mates!

UPCOMING PROSPECTING DATES -

July 13th

August 10th

September 21st (3rd Saturday in September due to the NNGC in Pittsburgh)

October 13th

November 9th

December 8th

We hope to see you there!

Thank You & Happy Modeling!

Dan, Cindy, Chris & Austin Raap

And remember, we regularly accept consignments, and we purchase collections! Inquiries and referrals are welcome! Questions – Call us at (303) 819-2937 or by email:

[danraap2021@gmail.com](mailto:danraap2021@gmail.com)

### **Kappler Mill and Lumber**

Gary received this email and is sharing it here.

Gary hello. Yes, I just joined the NMRA. I live in Hot Sulphur Springs and am the new owner of Kappler Mill & Lumber. I joined to "learn" more about the industry and for a possible way to get the word out that Kappler Mill & Lumber still exists. I purchased it a year ago in March and moved it from the previous owner's location in Washington state to Hot Sulphur Springs, Colorado. I produce all the product right here at my shop. I'm not a modeler so I'm learning all this from scratch. I've done woodworking all my life so that part of producing product for this industry is easy. I've started an all-new website [Scale Lumber Manufacturer | Hot Sulphur Springs, CO \(kapplerusa.com\)](http://ScaleLumberManufacturer.com). And updating as time allows with pictures of modelers that are using Kappler material to build their masterpieces. I'm fascinated with what I see people make. That's probably more than you wanted to hear. Thank you for contacting me.

THANK YOU

PETER C. CROSS  
CROSS CONTRACTORS, INC. dba  
KAPPLER MILL & LUMBER  
CROSS CUSTOM WOODWORKING  
[ccw\\_inc@hotmail.com](mailto:ccw_inc@hotmail.com)  
970-531-2145



## PATRICK HENRY CREATIVE PROMOTIONS TRAIN

Adam Crews went to Union Station on June 14, 2024, and took pictures of these private varnish cars. The dome car was originally Union Pacific #9007, and the sleeper was Union Pacific #5557.



## Sunrise Division Shines at 2024 Region Model Contest!

by Gary Myers

Stewart Jones and I represented the Sunrise Division with some distinction at this year's annual Region Model Contest. We entered five entries and had three of them judged, which all earned Merit Awards. A Merit Award is for models that earn at least 87.5 points in the NMRA judging. All five of our models live on at the Scenic Line Modelers' layout, down near Waterton Canyon at the Lockheed Martin Employee Recreation Area.

## ONLINE STRUCTURES



Stu took first place in NMRA Online Structures, with his scratchbuilt 1941 art deco Salida Depot, and earned a merit award of 109.5 points. The maximum score possible for NMRA judging is 125 points. The model also won 2<sup>nd</sup> Place Popular Vote for Online Structures. Stu's model of the Depot had the second highest NMRA score of the day, to take home the Duane Miller Award. That award is named in Duane's honor as the former Caboosie Hobbies owner. Sadly, we lost Duane just recently. Duane, and his father-in-law, the original owner of Caboosie Hobbies, were huge supporters of model railroading and the Rocky Mountain Region. They sponsored our Region Model Contest with the Caboosie Award for years and years. Many of the Caboosie Awards were supplemented with an actual brass caboosie. Duane's funeral was July 3, 2024.



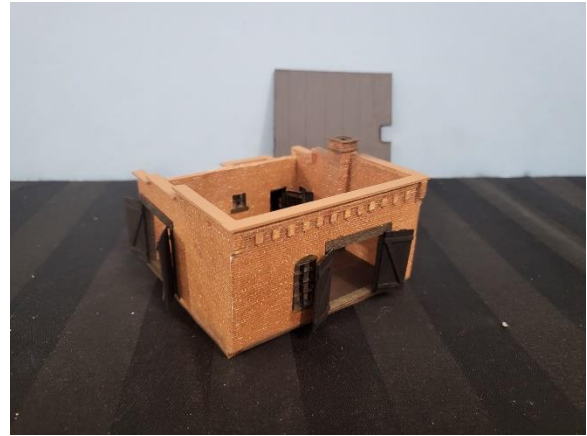
Stu then proceeded to take second place in Online Structures, with his scratchbuilt Salida Superintendent's House, and earned a merit award of 109 points. Stu's model of the Superintendent's House had the third highest NMRA score and received the Fred Carlson Award. Fred Carlson was a past president of the Region, a great model railroader, a railroad artist, and builder of an awesome layout of the Duluth, Missabe and Iron Range

Railroad on Lake Superior, with its iconic dock coal loader. Many NMRA members and model railroaders operated on his layout dumping actual coal loads to and from his massive coal loader. The Pueblo Railway Foundation continues to sell reprints of Fred's painting of Santa Fe 2912 for fundraising. The painting is of the Shriner's Special over Palmer Divide in the fall of 1953.



Stu scratchbuilt a front of the Gunnison La Veta Hotel, to be placed in front of a backdrop. This model was entered only in the Popular Vote contest and won 3<sup>rd</sup> Place Online Structure. Today, only the first floor of the prototype remains, and a totally different structure exists.

## OFFLINE STRUCTURES



Gary scratchbuilt the Salida Machine Shop, which won NMRA First Place Offline Structure and 3<sup>rd</sup> Place Popular Vote. This structure was built between 1900 and 1916 in Salida, Colorado, went through many changes, and stands today as a bicycle shop. The original purpose is unknown, but a side door and rear annex were added by 1926 when it was a machine shop through the thirties. At one time it was listed as a Beer Depot, but by the seventies, it laid boarded up through the 2000s with the rear annex removed.

## CONVENTION SPECIAL



For the Convention Special Pioneer Award, for the early Utah settlers, Gary entered a white metal model of "The Man in the Surrey with the Fringe on the Top". Sadly, it missed winning the Pioneer award on the final counted ballot!

## DIVISION CHALLENGE

The Division Challenge is awarded to the Division that scores the most points in the model contest, with 1 point per entry and 3 points

additionally for a merit award. Although Northern Utah outpaced everyone with 40 points, Sunrise finished in 2<sup>nd</sup> Place with 14 points. In 2023, Sunrise tied for 4<sup>th</sup> Place with only 5 points, but in 2022, Sunrise actually finished in 1<sup>st</sup> Place with 19 points.

In the spring of 2025, we will hold the next model contest in Durango. Support the Division and learn about contest modeling by entering your own models.

### **MCoR Regional Convention Model Contest**

Rich Virgin, a member of the Northern Colorado Division of the NMRA (the Northern Colorado Division receives the Sunrise Division Herald-Ed.) attended the MCoR (Mid-Continent Region) Regional Convention. His structure model received 106 of a possible 125 point and won 1<sup>st</sup> place.

Congratulations, Rich.

The following is an email that I received from Rich. (Ed.)

This structure is based upon both a prototype building and business located at 2136 15th St in lower downtown Denver circa 1926. The Frazzini brothers, there were 4 of them, were the richest Italians in Colorado and in the top 10 richest Italians west of the Mississippi in the 1920s. They owned several businesses and buildings in Denver, the most prominent one was a bank located 2 or 3 doors west of the grocery store. I built the model because it is mentioned in the literature about the Denver & Salt Lake Railroad about being across the street from the D&SL depot on 15th Street. This is probably going to be the signature scene on my railroad. Almost all the buildings along 15th Street are going to be scratch built.

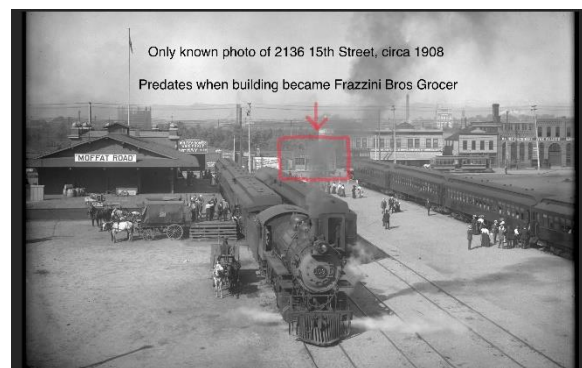
I've attached the only photo I could ever find of the building, and it is in the background. This 1908 McClure photo is from the Western History Collection of the Denver Public Library.

The structure started off as a Monster Modelworks kit, but with no interior or plans for one. Over half of the interior is scratchbuilt with the rest being detail parts mostly from SS Limited. I also made changes to the roof of the kit and added a chimney as there sure looks like there was one in the photo if you blow it up. Interior designed after spending hours looking at photos of Italian markets and Denver grocery stores of the 1900-1930s. It was also influenced by my memories as a child growing up in an Italian family and visiting Italian markets in the 1960s. The woman customer, a Presier figure, was highly kitbashed to look like the old Italian widows I remember as a child all dressed in black and always wearing a kerchief over their hair. I also built my own lights. Working with and soldering 38-gauge magnet wire to very small LEDs is nuts, but if you look closely all the wire fits up inside the metal tube, nothing is showing and everything is to scale.

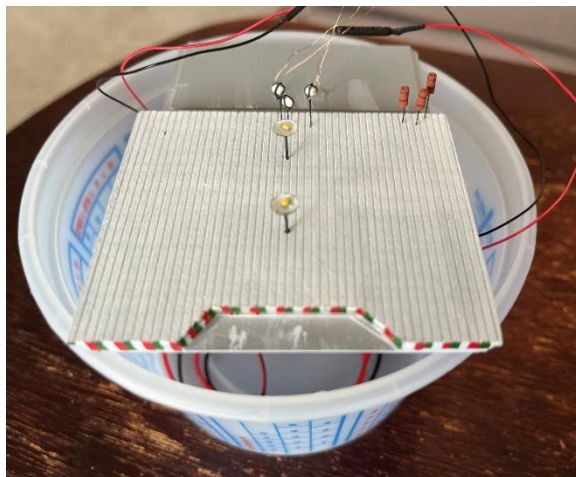
From start to finish I spent over 4 years working on this structure and spent too many hours of research between steps.

Please enjoy the photos and let me know if you have any questions.

Rich







## Coming Events

Kick Off Event!  Save the date!

**COLORADO  
RAIL PROTO MEET**

Saturday, September 21st, 2024

9am-5pm—Zoe's Café and Event Center  
715 10th Street, Greeley CO

5pm-8pm— Colorado Model Railroad Museum  
680 10th Street, Greeley CO

\$20 admission  
(Includes free dinner at the CMM)

Model Displays—Clinics—Hands on Stations—Vendors

[www.corpm.org](http://www.corpm.org)

Hosted by the Colorado  
Model Railroad Museum  
and the Northern Colorado  
Division NMRA




**Forney**  
Museum of Transportation

**BIG BOY DAYS RETURNS!**



ALL SIZES OF TRAIN LAYOUTS TO ENJOY!  
MANY VENDORS SELLING MODEL TRAIN LAYOUT  
MERCHANDISE!

ADMISSION PRICES: SATURDAY, AUGUST 3, 2024  
ADULTS (13+) \$13.00 9:00 AM to 5:00 PM  
KIDS (3-12) \$5.00 SUNDAY, AUGUST 4, 2024  
9:00 AM to 4:00 PM



**4303 Brighton Blvd.  
Denver, CO 80216  
[Forneymuseum.org](http://Forneymuseum.org)**

The Foothills Society of Model Railroaders swap meets  
Green Mountain Presbyterian Church  
12900 W. Alameda Parkway  
Lakewood, CO  
9:00 a.m. -11:30 a.m.  
on the third Saturday of odd numbered months  
(303)989-0087 or (303)985-1491

Union Depot, Pueblo, Colorado.

**MoPac/D&RGW  
Historical Societies  
Joint Annual  
Convention  
October 10-13, 2024  
Pueblo, CO**

**Open House at the  
Pueblo Railway  
Museum**

**Saturday Oct 12th  
1:00 - 4:00 pm**

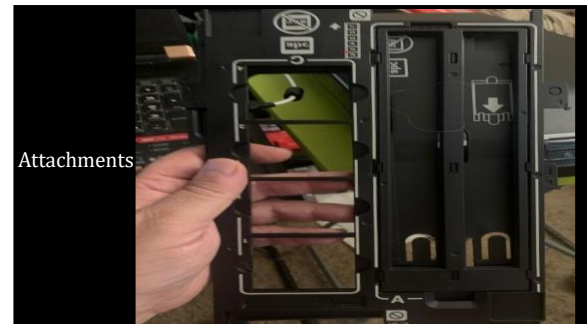
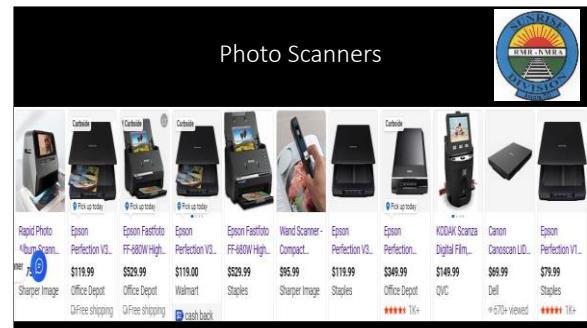
**2912**  
**PUEBLO RAILWAY MUSEUM**  
Cost: \$20.00 per person  
Additional donations accepted and appreciated

- Museum open for the visitors from 1:00pm to 4:00pm
- Unlimited access during the event
- Operating train with GP-7 104, C&W Caboose #3, MoPac Caboose #123-4 and D&RGW Caboose 1432
- Ride in the Locomotive or Caboosees
- Guests can ride as often as they like
- Operating train can be "spotted" for photo opportunities including "run bys."

Trains Depart Behind Union Depot 200 West B Street

## Tool Time

William Boorman presented the meeting's Tool Time. He discussed uses for photos, slides and negatives as well as the various types of scanners that can be used to digitize the various formats. He demonstrated how some scanning software made it possible to perform moderately complex edits on scanned images. The following is his PowerPoint presentation.





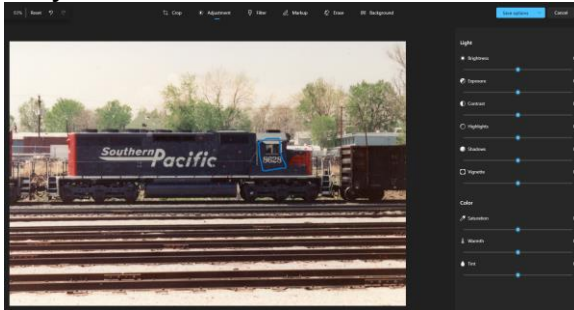
Photo



Scanner



Gary



Contrast



Erased



## Show 'n' Tell

June's Show 'n' Tell subject was Observation Cars. Apparently, our members really like observation cars as we have a lot for this month.



This HO scale CB&Q car photo was shown by Gary Myers.

*This car ran on the Exposition Flyer, which ran on the CB&Q, D&RGW, and WP from 1939-1949, and was a joint train sharing equipment on those lines, from Chicago to Sacramento via Denver. Gary Myers*



It has a completely finished interior.



Gary also showed this Pullman observation car photograph. *It is a Walthers heavyweight Pullman, which is used for the Scenic Limited, St. Louis - Denver - Sacramento, on the MP, D&RGW, and WP. Gary Myers*

Bill Johnson showed the next three photos.



*In honor of the 80<sup>th</sup> anniversary of the D-Day landings, I thought the observation car on the New York Central's Empire State Express, named after President Franklin D. Roosevelt, was appropriate. Bill Johnson*



*Union Pacific Observation/lounge car on the City of Los Angeles. It was shortly converted to mid-train to be closer to the dining car. Bill Johnson*

Larry Stephens had five photographs to show.



- 1 AHM U.P. lighted and with people
- 2 AHM Rio Grande
- 3 AHM Royal American Shows
- 4 Athern club car used on my maintenance train
- 5 IHC Rio Grande with interior kit. Larry Stephens

Stu Jones had four cars to show.



*JC Models Standard Observation. Offered as a kit in the 1950s and built about 1956. It was later upgraded with air conditioning ducts along the roof and a more detailed underbody.*





*A Walther's Dome-observation car with several sleeper bedrooms*



*A scratchbuilt Diner-Lounge car using drawings for a Walther's-produced car in the 1940s (long out of production). It was designed for mid-train use, but the rear windows made it suitable as an observation car when used as the last car on a train*



*Business Car (Bachmann?)*



*Contributor unknown*

## Clinic

Nick Tomlinson presented the clinic. After seeing these PowerPoint slides, I wish that I had been at the meeting.



## LAYOUT PROBLEMS and SOLUTIONS

COMMON, UNUSUAL & UNIQUE  
Nick Tomlinson

TRACK – MANUAL TURNOUT GROUND THROWS  
PROBLEM  
Reaching into the layout to throw turnouts can knock over or damage rolling stock or scenery.



TRACK – MANUAL TURNOUT GROUND THROWS  
SOLUTION – 1  
1/4" lath is between the 1x4 frame and plywood/homosite. Ground throws are mounted on a 2" wide shelf with linkage to the turnout. Colored map pins show which ground throw or Atlas Switch Control Box controls which turnout.

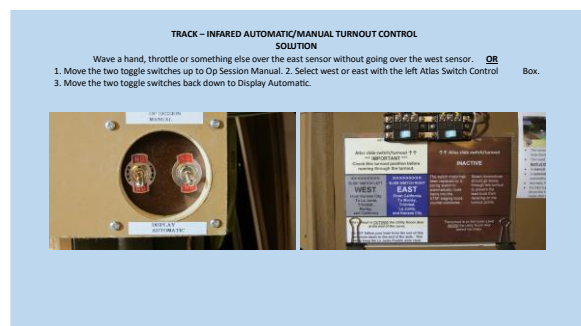
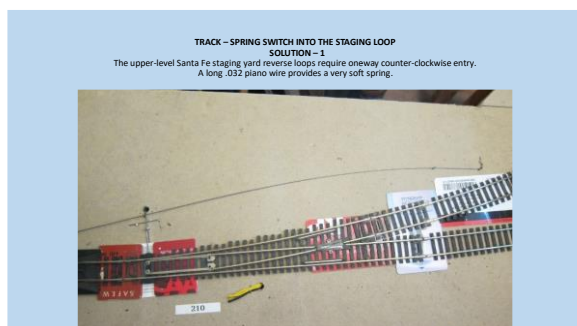
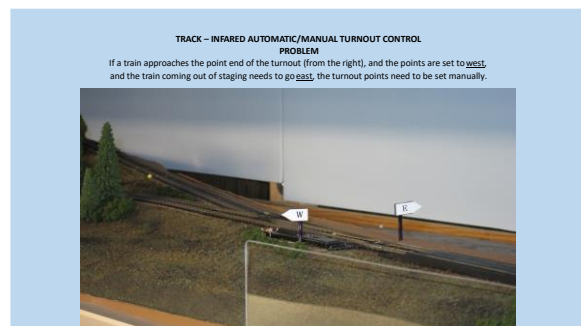
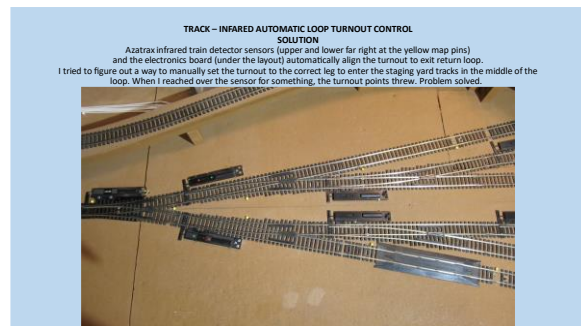
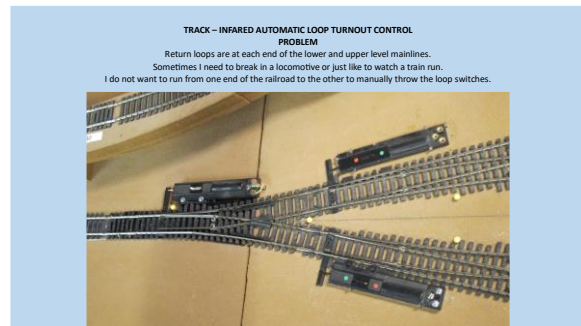
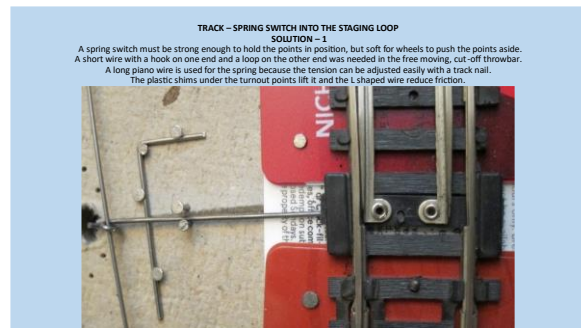
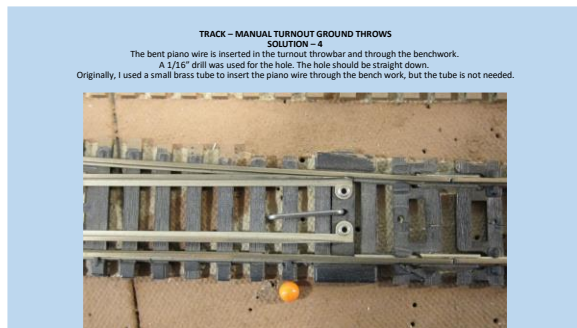


TRACK – MANUAL TURNOUT GROUND THROWS  
SOLUTION – 2  
Piano wire connects a ground throw to the aluminum turnout throw bar.  
Map pins under the handle make the handle easier to grasp.  
Green map pins indicate a mainline turnout. Double green indicates the turnout is set for the mainline.

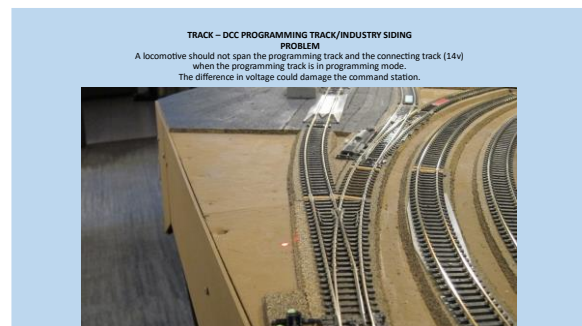
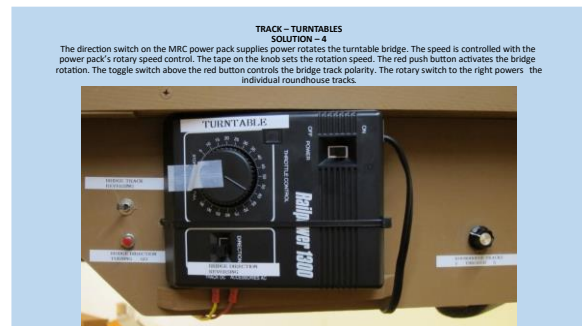
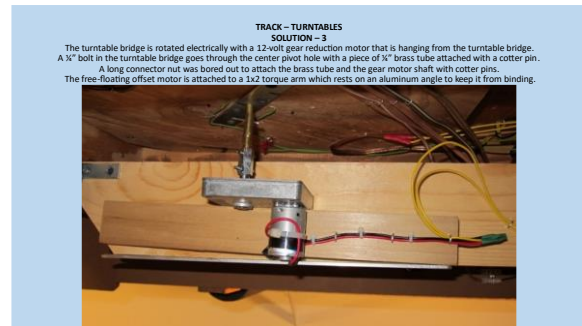
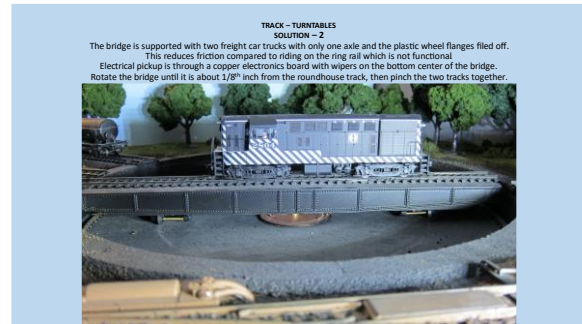
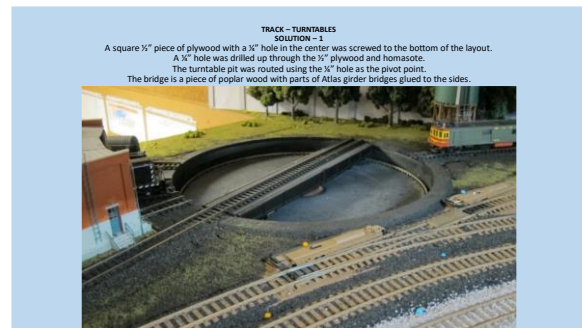
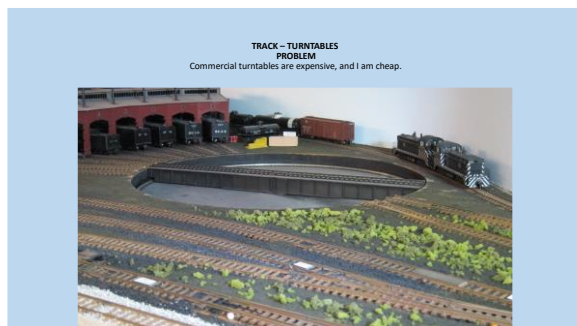
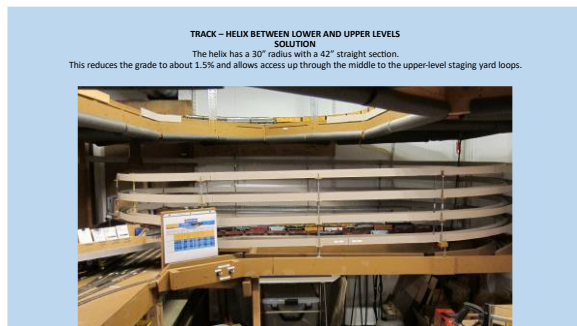
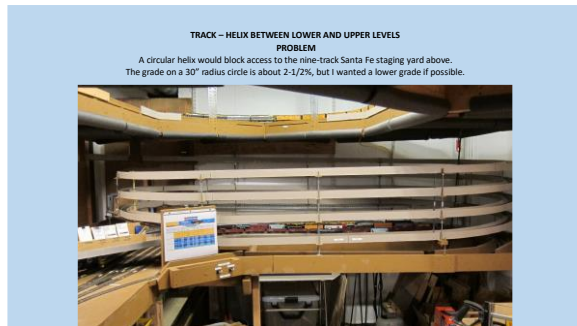
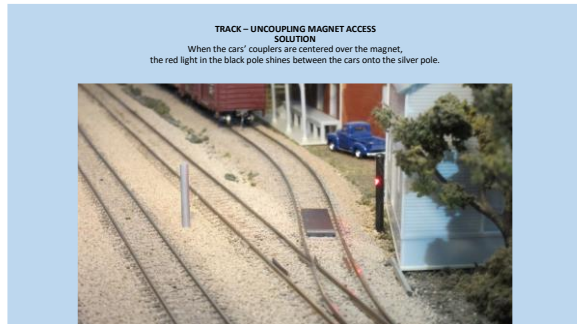


TRACK – MANUAL TURNOUT GROUND THROWS  
SOLUTION – 3  
The brass throw was available years ago. The arm that connects to the turnout throw bar was too big.  
Above the brass throw is a throw made from piano wire and 1/8" aluminum bar.  
The smallest diameter wire (.032 to the right) works for Atlas turnouts.  
The larger diameter wires are needed for Peco turnouts because of the built-in keeper spring.









#### TRACK – DCC PROGRAMMING TRACK/INDUSTRY SIDING SOLUTION

When the red-lights flash on-off above the ground throw and above the toggle switch, the track is in programming mode. When the toggle switch is thrown to run, the programming track is a normal layout industry track.



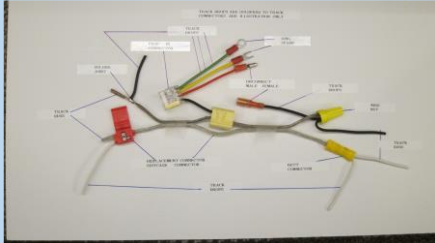
#### SCENERY – ROAD CROSSING PROBLEM

Make a road crossing on a curve.



#### WIRING PROBLEM

Easily attach 18-gauge track drop wires to the under-layout 12-gauge buss wire. Various connection methods. I hope no one wires a model railroad like this.



#### SCENERY – ROAD CROSSING SOLUTION

Stained ties can fit between the rails of any curve radius. The road outside of rails is styrene. A curved, metal track gauge of the right radius was used to cut the curve accurately. Staggering the ties would look better, but they would not be able to be curved.



#### WIRING SOLUTION

The connection points to the 12-gauge buss wire are pair of electrical box grounding buss bars screwed to 1-1/2" wide "boards" cut from plastic kitchen cutting boards. The 12-gauge main layout buss wire goes into and out of each end. The black and white wires go from the small board to a PSX circuit breaker and then out to the large board. 18-gauge track drops are attached in the middle. Several 18-gauge drops can go into one connection point hole.



#### SCENERY – RAILROAD GRADE & LANDFORM PROBLEM

The railroad grade is on Woodland Scenics 2% risers. Create the surrounding scenery so rolling stock will not fall six feet to the floor if there is a derailment



#### SCENERY – SKYBOARDS PROBLEM

Skyboards are both Masonite hardboard (preferred) or foamcore board. The seams were taped together with athletic tape during Covid because it was on hand and takes paint well.



#### SCENERY – RAILROAD GRADE & LANDFORM SOLUTION

Woodland Scenics 2% risers were installed at the front edge lower than the 2% railroad grade and covered with plaster cloth. An old bed sheet was draped and glued between the two sets of risers to create a depression and then painted and scened. Since the bed sheet is flexible, trees cannot be "planted" on it.



#### SCENERY – SKYBOARDS SOLUTION

I thought that paint would seal the athletic tape edges, but I was wrong. Very sticky tan masking tape would have been a better choice. Foamcore board has to be painted on both sides to keep it flat. If any kind of tape is applied too soon after painting, the tape puckers as the foamcore board continues to dry and shrink.



#### SKIRTS AND PLATFORMS PROBLEM

Fabric backed vinyl is \$10-20 per yard. Sturdy, safe platforms take a lot of lumber and time to build. Fabric backed vinyl (left) Landscape fabric (right)





#### SKIRTS AND PLATFORMS SOLUTION

The skirts are landscape fabric which is much cheaper than fabric backed vinyl. One side is black and the other side is brown.  
The platforms are carpet tiles screwed to 1/2" plywood which are screwed to step stools.  
The white step stool on the top front is screwed to the platform. It aids in reaching the turntable/roundhouse tracks.



#### ROLLING STOCK –NUMBERING, NAMES & LOGO SOLUTION – 4 PROCEDURE FOR CREATING CUSTOM COLORS IN MS WORD

The following was done in MS Word to get the right background color:  
Shading – More Colors – Custom – Select closest color (it will be wrong) – Edit the Red/Green/Blue values

I made three columns on a page, typed the Red/Green/Blue values, changed the background shading to those values for that line and the lines above and below it, filled the page with variations of the colors, and printed the page on my color laser printer.

I cut the three columns apart and placed them on the car to see which was the closest match. I then repeated the process until the color match satisfied me. My 25-year-old HP color laser printer uses Black/Cyan/Yellow/Magenta cartridges, but the printer driver translates from the Red/Green/Blue in MS Word.

#### ROLLING STOCK –NUMBERING, NAMES & LOGO PROBLEM

Applying decals is touchy and permanent when sealed with Dulcoat. White cannot be printed with common printers.



#### OPERATIONS – CAR CARD BOXES PROBLEM

Micro Mark car card boxes are great but are expensive if a lot are needed.



#### ROLLING STOCK –NUMBERING, NAMES & LOGO SOLUTION – 1

The side numbers (132) on the FT are printed on clear plastic mailing labels – black background and white (no color) font.  
The FT front number (132) is printed on white paper mailing labels – black background and a light-yellow font.  
The F7 front numbers (243) are printed on white paper mailing labels – black background and white (no color) font.



#### OPERATIONS – CAR CARD BOXES SOLUTION

The front, back and bottom of the box is made from 1/8" plywood from Woodcraft. The dividers are 1-1/2" x 1/2" poplar.



#### ROLLING STOCK –NUMBERING, NAMES & LOGO SOLUTION – 2

The steam locomotive is a Broadway Limited, painted, lettered and numbered for Santa Fe. The Colorado Rail Lines logo was created with a logo maker program as a JPEG file which can be sized to fit the needs. CRL on the steam engine is printed on white paper mailing labels – black background and white (no color) font. The Colorado Rail Lines logo is printed on white paper mailing labels.



#### OPERATIONS – CAR TAGS PROBLEM

Memory and Communication.  
When a train arrives in a town how does the yardmaster tell the yard engineer which cars go where?  
How does the yard engineer remember all he was told?



#### ROLLING STOCK –NUMBERING, NAMES & LOGO SOLUTION – 3

The background shading on the Walther's passenger car name was the most difficult because had to match the car color. Although a close look shows that it looks like a name on a board, it blends in at a normal viewing distance.



#### OPERATIONS – CAR TAGS SOLUTION – 1

ATSF Navy West, ATSF Red East, DRGW Black, C&N Lt Blue, UP Yellow, CBQ Grey, MP Blue, CR&P Maroon  
UTILITY Orange, BEDROOM Blue  
RED BLOCK  
INDUSTRY Blue ← →, INDUSTRY Green ← →, INDUSTRY White



**OPERATIONS – CAR TAGS**  
**SOLUTION – 2**  
**PROCEDURE WHEN A TRAIN ARRIVES**

The Denver area is used as an example since it is the busiest and most complicated freight yard.

When a train arrives, the yardmaster tags cars with the appropriate car tag as specified on the car card waybill – railroads or industry. Each of the seven railroad that came into Denver in the 1950s has a yard track in the main yard assigned for outgoing cars.

The yard engineer switch cars with railroad tags to the appropriate railroad track for pickup later. The cars which have been tagged with white industry tags are moved to an auxiliary industry yard for sorting and delivery to the industries as specified on the car card waybill.

Industries have facing or trailing point turnouts. Denver is a large oval reverse loop with industries around the walls. The blue and green arrowed (← →) tags help sort the cars for easier spotting at the industries.

DRGW and CRL trains terminate in either the utility room staging yard or the bedroom staging yard. The Utility and Bedroom tags and the Red Block help the yardmaster keep these two sets of cars separated.

**ENVIRONMENT – CARPET**

**PROBLEM**  
Replace the old, worn-out carpet which was destroyed during a sewer line replacement without destroying my model railroad.



**ENVIRONMENT – CARPET**  
**SOLUTION – 1**  
**CARPET LAYERS**

The main part of my layout is in two open rooms.  
I moved all my stuff into the back room so we could carpet the first room on the first day.  
It was stacked high.

After the carpet was finished in the first room,  
my stuff could be moved to the first room so the second room could be carpeted.

The first carpet layer looked at the stacks of boxes in the back room  
and at this 21-foot-long two-level peninsula and said  
"We have to move it!"  
I said "We have to jack it up."  
He unloaded the carpet tiles and left.  
The second carpet layers did what I asked and successfully laid the carpet tiles.

**ENVIRONMENT – CARPET**  
**SOLUTION – 2**  
**CARPET LAYING PREPARATION**



**ENVIRONMENT – CARPET**  
**SOLUTION – 3**  
**CARPET LAYING PREPARATION**

The peninsula is made of four sections on legs like this because  
I planned ahead to replace the carpet eventually.

To raise it enough to install carpet tiles underneath, I did the following:

Holes were drilled in the ends of eight 6-foot long 2x4s.

T-nuts were installed in the bottom of the 2x4s in the holes.

Carriage bolts were screwed in from the bottom of the 2x4s.

Two nuts were screwed tightly together with a washer between them on the top of the carriage bolts.

Two 2x4s were slid under each of the four sections.

They were C-clamped to the lateral benchwork 2x4s to keep them from twisting.

A drill with a nut driver was used to quickly screw the carriage bolts down to the floor and raise the sections.

The carriage bolts that normally level the peninsula were screwed up out of the way.

## The Sunrise Division 2024 Layout Tour

Saturday July 13, 2024

12:30 - 1:15 Stu Jones  
2421 S Krameria St.  
Denver, CO 80222

1:30 - 2:15 Nick Tomlinson  
413 S Vaughn Way  
Aurora, CO 80012

2:30 - 3:15 Devin Jones  
15646 E 7th Ave.  
Aurora, CO 80011