

July 2022    Volume 15, Number 7

## Sunrise Division Officers

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

## In the Herald

Layout of the Month.....	1
July Meeting Notes.....	2
Next Meeting.....	2
URLs of the Month.....	2
Upcoming Tool Time.....	2
Upcoming Clinic.....	2
Upcoming Show 'n' Tell Themes for 2022 .....	2
Announcements .....	2
Module Update.....	3
Tool Time.....	3
Show 'n' Tell.....	3-4
Clinic.....	4-7
Item of Interest.....	7
Sunrise Division layout tour announcement....	8-9

## Layout of the Month

This month's photographs are from Rich Flammini's Grand Trunk Western themed layout.

**We need more layout photos. If you have photos of your layout that you would like to see in the Herald, please send them to the Editor.**



## From the Editor

Unfortunately, I was unable to attend the July meeting of the Sunrise Division. Thank you, Dave Clifford, for taking the notes to make this edition of the Herald possible.

In this edition, you will find information about the Division's layout tours. Rich Flammini has coordinated this tour. I hope that you will be able to view these fine layouts.

## July Meeting Notes

Signing in to the hybrid meeting began about 6:45 p.m. on July 7, 2022. The meeting began at 7:08 p.m. with 10 participants in attendance at the church and 2 attending via Zoom. The meeting began with introductions followed by Announcements, Tool Time, Show 'n' Tell, and the Clinic, all of which are reported on in greater detail in this edition. The meeting concluded at 8:30 p.m.

## Next Meeting

The next meeting will be Thursday, August 4, 2022 in person at Holy Love Lutheran Church, 4210 S Chambers Road, Aurora, Colorado. Mask wearing is optional for all attendees. 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.

## URL of the Month

This month's featured YouTube video is of a fantastic trip through China in 1986. While it is a long video, I found it to be fascinating.

By Rail in China 1986 - A Search for Steam!  
<https://www.youtube.com/watch?v=lktlyIPCqi0>

## Upcoming Tool Time

Pavement marking—Rich Flammini

## Upcoming Clinic

Track Design—Stewart Jones

## Upcoming Show 'n' Tell Themes for 2022

**August**-1970's Era

**September**-Mining

**October**-Steam

**November**-2000's Era

**December**-Holiday Theme

## Announcements

**In an attempt to reduce problems, 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 for inclusion in the Sunrise Herald ([rlhoch422@gmail.com](mailto:rlhoch422@gmail.com)).**

The Foothills Society of Model Railroaders swap meets have resumed at Green Mountain Presbyterian Church, 12900 W. Alameda Pkwy, Lakewood, CO. The meets are held on the third Saturday of odd numbered months.

Rail Fair at the State Fair Grounds (TECO Train Expo Colorado, Pikes Peak Region) October 15 and 16, 2022.

On Saturday, July 30, Big Boy No. 4014 will pull the 2022 Museum Special, a special passenger trip from Denver to Cheyenne hosted by the Union Pacific Museum. This excursion is the annual gala fundraiser for the Union Pacific Museum, a 501(c)(3) organization, and passengers must be 18 years or older to ride. This is a rare opportunity for the public to travel behind this historic locomotive and on Union Pacific's historic heritage passenger equipment. Before returning to Denver via motor coach, passengers will have the option to visit Sherman Summit via motor coach.

Tickets are now on sale for this fundraising excursion at <http://www.uptraintix.com>.

The Sunrise Division's layout tours are planned for August 6, 2022. Descriptions of the layouts, times for visiting and driving instructions can be found near the end of the Herald.

The Front Range Division's annual picnic is scheduled for Sunday, August 28th in Lakewood.

## Module Update

Larry Stephens reported that Chuck would be available soon to restart the module work.

## Tool Time

Larry Stephens showed the use of pogo pins to route power to turntables. Here is his presentation in its entirety:

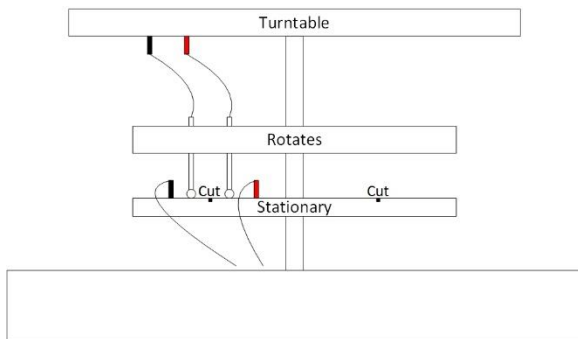
### Pogo Pins

Pogo Pins come in several sizes and lengths.



They are spring loaded so adjustment is not critical. They allow electricity to flow from a stationary platform to a moving platform. The pins can be mounted to either platform. eBay is a good source of these pins.

One example of their use is shown below.



The turntable and the pin platform move together. In this example the pickup platform is fixed. The platform is a copper film electronics board. A circular groove is cut to separate the outside and inside circuit.

## Show 'n' Tell

This month's Show 'n' Tell subject was Prototype Project.

Stu showed this picture of a street in Crested Butte.



He used the picture as inspiration to construct these three buildings from scratch for the Lockheed Martin Scenic Lines layout (minus signs and flowers).





Gary Myers showed these slides and led a discussion on the location of the pipes and use of the buildings - like a puzzle to guess how the sand was dumped, dried and loaded onto locomotives.

Show n Tell July 2022 – Prototype Projects  
1920 Salida Sandhouse – Gary Myers



Show n Tell July 2022 – Prototype Projects  
1920 Salida Sandhouse – Gary Myers



## Clinic

Larry Stephens presented this clinic on soldering in his own words.

### Soldering Irons, Solder and Flux



The first soldering iron probably looked somewhat like the top iron.  
Early AC soldering iron bottom.



Soldering irons, I avoid. Screw holding in tip. Poor heat transfer. I also avoid round tips. You need a flat tip surface to properly transfer the heat of the tip quickly.



Two types of Ungar solder iron handles. Pro grounded (top) and hobby style (bottom). These are my favorites.



Heating elements old and new style.



Ungar soldering tips.



The soldering iron I use most is the Iso-Tip. It heats up quickly and has no cord in the way. It also has some of the smallest tips available. It is capable of soldering feeder wire to rail.



Three of the most common solder sizes left to right. 0.047 is a good general purpose solder. 0.022 works great for small wires such as feeders. 0.015 works great for DCC wires and SMD devices.

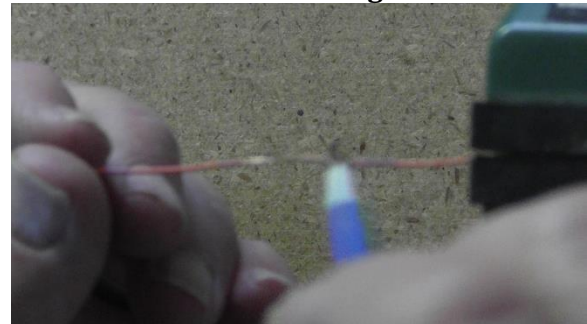


Safe flux and a fiberglass surface cleaner. Safe Flux works best on tinned wire and very clean copper. Fiberglass cleaner is used to clean rail and such prior to applying flux. For harder to solder items, use a rosin flux.

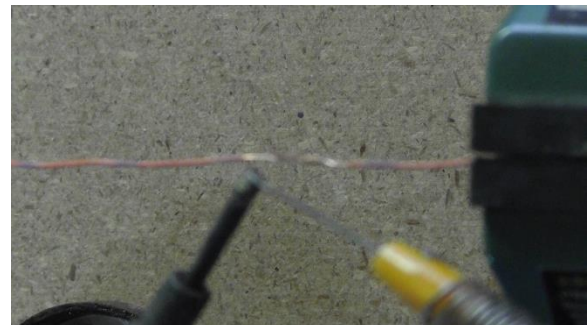


Removing solder tools: vacuum pullers and solder wick.

## Soldering



Apply either rosin or safe flux to the wire being soldered. (sorry about the focus, several clips from video out of focus).

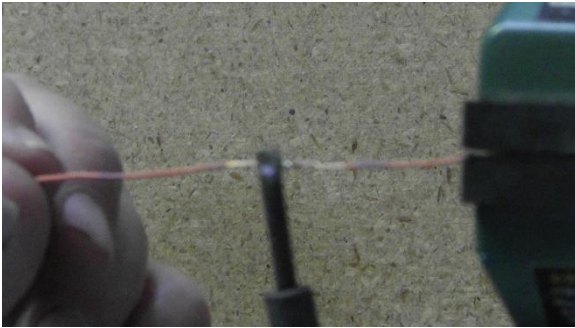


Apply solder to iron.

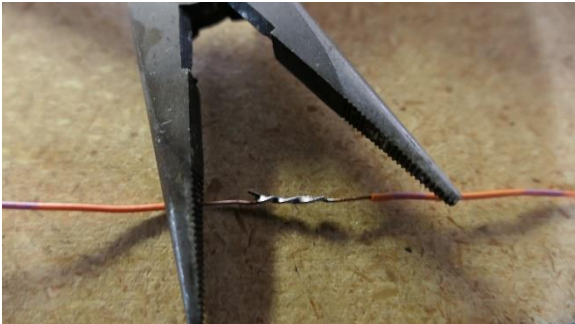


Place iron under wire and apply evenly.





Add more solder to iron and place iron on top of wire and apply evenly.



should look like this



Soldering a feeder wire. Clean the rail with a fiberglass surface cleaner.



Apply flux.



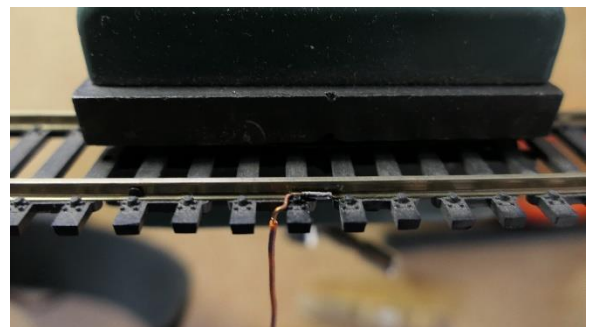
Apply solder to iron.



Place iron on rail to solder.



Pre solder feed wire. Add solder to iron. Place tip on wire and rail and solder.



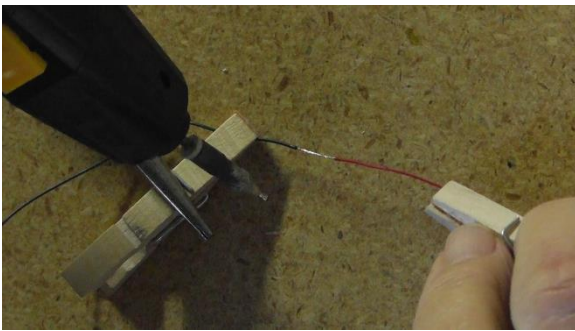
You should have a nice clean and tidy looking solder connection.

**Some tips:**

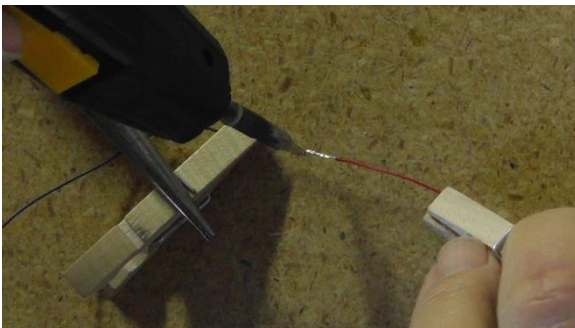
Use solder a little smaller than you think you need. Use a tip a little larger/hotter than you think you need. Always put solder on both objects you are going to solder. You need less solder on the iron. For most small wire and small projects, you do not need to add solder to the iron while soldering.

**Soldering DC wire with an Iso-Tip iron**

Normally one would twist the wires together for strength and use heat shrink to cover the connection. Decoder wires are so small they are hard to twist and if twisted and soldered they may become too large to fit in a small place. Heat shrink is larger than the wire, also hard to fit.



Apply solder to iron and align wires



Touch iron to wires with a smooth pass.



You should have a clean and bright connection.

Use several light coats of liquid tape. Use GB liquid tape brand. **Do not use** Starbright liquid tape brand.



**Rail Fair at the State Fair  
Grounds**

**October 15 & 16, 2022**  
**Sat 9-4:30 \* Sun 10-4**

**Livestock Pavilion  
@  
State Fair Grounds  
1001 Beulah Ave  
Pueblo, CO 81004**

**Vendors!**  
**Contact Mike Peck (719) 640-2076**  
**mmp85trainnut@hotmail.com**

# **The Sunrise Division Layout Tour**

A neat selection of Model Railroads to view

For your summer viewing pleasure on Saturday, August 6, 2022 join members of the Sunrise Division to see 3 fine layouts (actually 4) located in an easy to reach tight cluster.

## **Layout A**

At first glance, you'd think you stepped into a work of narrow gauge art. Bob has created an HO layout scene of the 1870's with detail that could keep you occupied for hours from an attention grabbing curved wooden trestle to structures with detail inside and out.

## **Layout B**

This layout stretches from Chicago to Port Huron, Michigan on a June day in 1960 on the Grand Trunk Railroad. Mostly urban, Rich has a collection of vehicles of that time if you remember what those land yachts looked like. For something that you've never seen before, look to the sky.

## **Layouts C**

For varieties sake, you'll be impressed by both a G scale layout and an N scale layout. If you have any questions about all the layout electronic gadgetry we can utilize today, Tom is the guy to ask. Of course the layouts have incorporated the technology that one finds awesome.

*Speaking of awesome, we have arranged for our own Siri but in this case it is Choo Choo. If you have any questions on the day of the tour, call (919) 450-7692 and Choo Choo will promptly respond.*

We members of the Sunrise Division hope you can join us. The tour won't be as spectacular as you'd see at the NMRA Convention but we're sure you'll come away with ideas you can modify for use on your layout, present or future.

## **Sunrise Division Layout Tour Directions**

SATURDAY, AUGUST 6 - All 3 layouts are within 5 to 10 minutes of each other near E-470 and Gartrell Road, which is south of Arapahoe Rd. in SE Aurora.

**Viewing times, locations and a map are on the reverse side**



**Layout A: Bob Rothgery - 22045 Jamison Pl**

The house is set back from the street. You'll see the RR crossbuck sign. Park only on the street.

**Layout will be viewable 9:30 to 11 am.**

**Layout B: Rich Flammini - 8218 So. Sicily Ct.**

The house is near the end of a cul-de-sac. Parking on the street but do not block mailboxes. Driveway parking is just for handicapped. Bottled water will be available but do not bring it near the layout.

**Layout will be viewable 10:30 to Noon.**

**Layouts C: Tom Wilcox - 23442 E. Otero Dr.**

The following gate code #3442 may be needed for entry. Parking is also on the street near his house with the same mailbox restriction. Treats will be provided but not to be eaten near the layouts.

**Layouts will be viewable 11:30 to 1 pm.**

Children must be closely supervised (hands off !)

