

July 2023 Volume 16 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	Gerry Meltzer
Youth Coordinator	Position open
Education Chair	Stewart Jones
Modular Layout Chair	Larry Stephens
Herald Editor	Bob Hochstetter

In the Herald

Layout of the Month1
July Meeting Notes2
Next Meeting2
Video of the Month2
Upcoming Tool Time2
Upcoming Clinics2
Upcoming Show 'n' Tell Themes for 20232
Tool Time4
Module Report2-3
Announcements
Show 'n' Tell4
Clinic4-11
2023 RMR Annual Convention Information
and Registration12-16
North Platte Rail Days Information and
Registration17-19

Layout of the Month

This month's three photographs are from Dennis Hagen's Sn3 layout. They were taken by the editor during the Sunrise Division's layout tours on July 22, 2023.

I need photographs for the Herald. If you have photographs of your layout that you would like to have included here, please send them to me. (Ed.)







July Meeting Notes

The regular monthly meeting of the Sunrise Division of the National Model Railroad Association was held July 6, 2023, at Holy Love Lutheran Church. Assistant Superintendent Dennis Hagen called the meeting to order at 7:10. Nineteen members attended in person. Because cell phone contact was lost with Superintendent Boorman who was traveling, connection to the Zoom meeting could not be completed.

Introductions were the first order of business. Along with a self-introduction, Dennis asked each attendee to tell their preferred modeling scale and their most recent modeling efforts.

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

The meeting concluded at 9:00 p.m.

Next Meeting

The next meeting will be Thursday, August 3, 2023, 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.

Video of the Month

This month's video features Union Pacific's restored Big Boy #4014 pushing a stalled freight train over a hill.

https://www.youtube.com/watch?v=8vLWB P-ehOo

Upcoming Tool Time

August -- Dave's Favorite Tools—Dave Clifford

Upcoming Clinics for 2023

August – Tracklaying -- Bill Johnson October – Building Non-Flickering Passenger Car Lighting Circuits for DCC and Weathering Techniques for Locomotives— Bill Botkin December – My Life Riding the Rails—Rich Flammini

Upcoming Show 'n' Tell Themes for 2023

August – Weathered Model September – Photos/Media October – Streetcars/Trolleys November – Anything Goes December - Cabooses

Reminder

In an attempt 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) for presentation at the meeting and to the editor for inclusion in the Sunrise Herald

(rlhoch422@gmail.com). (Ed.)

Tool Time

For this month's Tool Time presentation, Gary Myers did a live demonstration. He showed us, step by step, how to access and read the NMRA Magazine on-line.

Module Report

We are getting ready for the North Platte train show. Rich Flammini, with the help of Bob Rothgery, is painting the viewer side of the modules. Adam and William are doing bridge and track work. Larry is replacing and repairing ballast on a section of several modules that had a mix of different ballasts or that were poorly ballasted in the past. Larry Stephens



New ballast on the modular layout

Announcements







July/August Events

Events * Activities

Model RR & Toy Train Swap Meet - The Front Range Model Railroaders Group, Green Mountain Presbyterian Church, 12900 W. Alameda Pkwy, Lakewood, CO Admission \$3 / Under 16 free. Saturday 9-11:30 AM. UPHS 2023 Convention - Union Pacific

Historical Society, Red Lion Pasco Airport & Conference Center, Pasco, Washington

St Cloud 2023 Convention - Great Northern Railway Historical Society,

Best Western Plus Kelly Inn, 100 4th Ave South, St. Cloud, MN

Events * Activities

North Platte Rail Days

Golden Spike Tower and Visitor Center, UP Bailey Yard Tours, North Platte, NB

2023 Texas Express - NMRA National

Convention

Gaylord Texan Resort & Convention Center, 1501 Gaylord Trail, Grapevine, TX 76051

<u>Rio Grande Modeling & Historical Society</u> Annual Narrow Gauge Convention -

Double-Tree by Hilton, Aurora-Denver, CO. Registration; \$95

43rd Annual Narrow Gauge

<u>Convention</u> - Denver, Colorado Crown Plaza Denver Airport, Convention Center, Denver, CO

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

Show 'n' Tell

This month's Show 'n' Tell segment featured Special Purpose Cars.

Nick Tomlinson presented his unique track cleaning cars.



These are two track cleaning cars for stub end yard tracks and industry spurs. Good pulling locomotives go between them because the two cars have a lot of friction. The cars are box car chassis – 40' and 50'. The 40' one works better on sharp curves because the pad in the middle of the 50' car falls inside the rail on curves less than 24" radius.



The cleaning block on the end is a large block cut to size. The bolt through the arm keeps the arm aligned, and the two screws on the other end of the arm are loose to allow up and down flexing. Weights are old lead type. Bob Hochstetter presented his N scale test car.



Built in the late 1920's, scale test cars were always to be hauled just in front of the caboose. Immediately upon arrival at the terminal, they were set aside and subjected to a minimum of switching. Under no circumstances were they to be used in switching cars in the train

Clinic

Gary Myers presented the clinic. He described fabricating the dual gauge turntable bridge for the Salida roundhouse and all the documentation that went into submitting it for the Achievement Program. He received a Merit Award for it.

1903 D&RGW Salida, CO Dual Gauge 100' Turntable Bridge

Construction



The lower portion of the bridge (underneath the ties) is built per the kit directions (105' Diamond Scale Turntable) Everything from the ties up is scratchbuilt to match a 1930s version of the 1903 Salida CO dual gauge 100' turntable.

Photos of the below deck show little detail, but the basic plate girder style of the kit bridge matches the prototype well.



The basic underframe was assembled from precut sides and spacers.

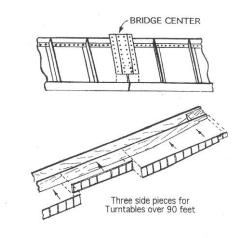
The ties and long ties were cut from stock and rotated to long width vertical.

The long ties were cut to length to account for the deck and stanchions, per the plans made from prototype photos (attached).

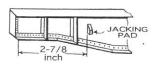
The tie spacing and number were determined from the prototype.

The rails were carefully aligned and centered with the bridge installed in the pit and secured with Pliobond. BRIDGE SIDE DETAILS:

PLASTIC SIDE PANELS & SPLICE PLATE

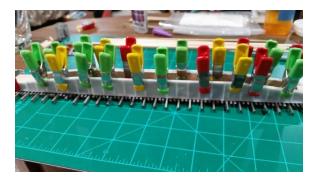


JACKING PADS

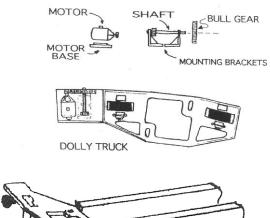


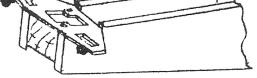
These are the Diamond Scale instructions for assembling the girders.

Additional gusset plates were ordered from the manufacturer.



The girders were applied with Pliobond on the kit-supplied, pre-cut side frames. The precut side frames were wood glued to the interior wood spacers. DOLLY TRUCK DETAILS





The dolly trucks were assembled per Diamond Scale kit instructions except the axles were replaced with brass tube stock



Dollies



The dollies were attached using wood screws. Splice plates were cut to cover the plate girder seams between each section and affixed using CA.

The kit supplied jack pads were also CA'd in place.





The decking was built board by board, with 2x10 scale lumber primarily.

2x4 boards were placed between the dual gauge rails.

The boards adjacent to the rails had to be notched for spikes.

Some boards were left intentionally "warped" to show wear.

Boards were cut to 20' or shorter.



The primary deck was cut from 2x10 stained scale lumber. 2x4 used between rails. The lengths were cut to 16' or 20'. Shorter boards were installed near the ends to replace damaged, worn boards. Some boards were intentionally mounted to show warpage.

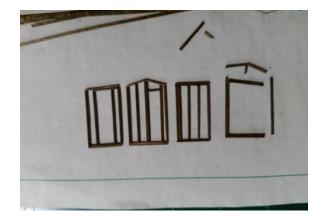




The stanchions were cut to length from 4x6 scale stock and sanded to a 45 deg bevel on top.

Nut-bolt-washers were applied at the base to the tie through drilled hole.

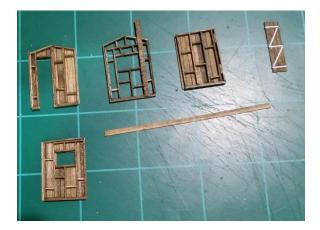
The stanchions were mounted to the left or right side of tie per the photos.

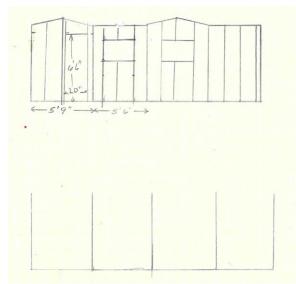


2x4 stock was stained, then cut to length per the drawing, and assembled with CA.

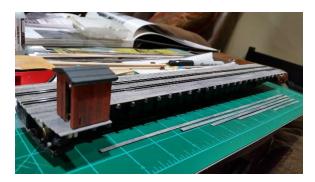


Windows, door frames and lintels were added.





The hand drawn Control Cab Scaled Plan



The control cab fit was checked on the deck prior to the railing installations.



2x6 styrene stock was attached to stanchions with CA. Cuts were made in the styrene for the

appropriate length boards.

- Commercial/Kit Details Under frame (6) Bridge Plate Girder Sides (4) Girder Splice Plates (4) Cast metal Jack Pads **Dolly Assemblies** (2) Motors (2) Motor Bases (2) Gear Shafts (4) Mounting Brackets (2) Bull Gears (4) Brass Wheels Railing (31) NBWs (stanchion to tie) Scratchbuilt Details Roadbed (56) 9' Bridge Ties (28) 15' Railing Long Ties
- (4) Control Cab Ties (4) Code 70 MicroEngineering Rails Decking (63) 2"x10" Boards (13) 2"x12" Boards (7) 2x6 Boards (39) 2"x4" Boards Railing (31) 4x6 support stanchions (2) railing bottom base board* (2) railing inside board* (10) railing cap board* **Control Cab** (37) 2x4 longitudinal & base frame (5) 2x4 interior frame (25) 2x4 lintels (2) glass windows** (37) 2x8 siding (7) 2x4 siding (8) 2x10 roof boards (5) 3' tar paper strips*** (3) 2x8 Door boards (5) Door braces* (1) Interior control box*

NOTE:

All scratchbuilt details are from scale lumber except as noted: *scale stock styrene **microscope cover glass ***emery paper

Conformity

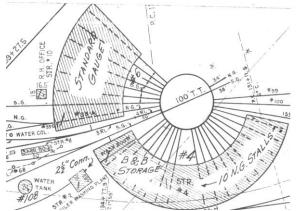
This model is designed to replicate the 1903 D&RGW Salida Colorado 100' dual gauge turntable.

A 105' Diamond Scale Turntable was used to kitbash this model.

Photos of the underside of the deck show little detail, but the basic plate girder style of the kit bridge matches the prototype well. The turntable dollies were used from the kit, as no photographic evidence of the drive mechanisms were found.

The version made is representative of the early 1930s. Only a very few photos were found of this era, but the cab shape, size, and placement are based on a photo (enclosed). Apparently, at least three different control cab designs could be seen in the photographs. Everything from the ties up is scratchbuilt to match a 1930s version of the 1903 Salida CO dual gauge 100' turntable.

The deck width, board widths, railings, cab design, tie and long tie spacing and placement, were all designed based on the photographs, and scaled from the 100' prototype to the 105' kit.



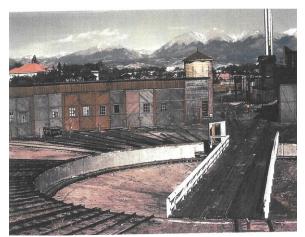
Yard Placement and Scale



Control Cab, Railing, Tie, Girder and Pit Detail



Deck Board Details



Railing Details



Railing Details

Finish & Lettering

The underframe plate girder assembly was hand painted a semi-gloss black, then flat coated, rusted and weathered with Bragdon powders. The dollies were hand painted a rust primer, then painted black. The gear teeth were filed silver or painted silver where worn. All assemblies were weathered with powders. The roller wheel surfaces were left unpainted for electrical pickup.

The decking and all the scale lumber was stained before assembly and lightly weathered with powders.

The railings and stanchions were hand painted white and weathered with powders. NBWs on the stanchions to the ties were painted and weathering powders were added. Control cab:

all wood structure was stained prior to assembly;

the exterior was painted freight car red and weathered with powders;

the interior was stained but left unpainted as indicated by the photos;

lettering – there was no notable lettering on prototype, so none was applied;

Dullcote was applied to all surfaces, before & after weathering;

Finish & Lettering - Roadbed



The roadbed ties were stained, assembled, and then retouched.

Finish & Lettering - Girders



The girders were hand painted glossy black.



The dollies were primed with rust color, on the, non-gear, teeth surfaces. The brass rolling wheels were left untreated for electrical pickup.

Scratchbuilding

Everything above the girders, including the ties, is scratchbuilt from stock materials such as scale lumber, styrene or glass.

See **DETAILS** for the scratchbuilt parts list. The deck, railings, and control cab were all scratchbuilt to conform to the photos, with the cab specifically from the 1930s photo. The ties, railings, long ties to stanchions and decking boards were all spaced to match the photos.

See **CONSTRUCTION** for detailed build.

Contest Judging Form - Construction

Entry	Name 1903 D&RGW 5,	ALIDA DUAL CAUSE T	URN TAGLE BR.	
Model Basis – Select the Scratch Built (Complet Scratch Built (Partial) Mod. Comm. – Shells,	e description that best applies to yo le) *- SB struc. + details (>90%) - SB struc.; comm. details (<90%) frame, struc. or major parts (>50%	 Kit Bash – Multi kits/ con Kit Built – Per kit plan (> Mod. RTR – Some mod. 	90%); few modifica	t per kit plan tions
	parts & manufacturer _ Drow			
Construction Technique Drew own plans	es – Select all methods & materials B Followed construc. : ms D Cut & fit metal	s that apply to your model article III Cut & fit wood III Cut & fit cardstock	 Soldered meta Made patterns Made molds 	I

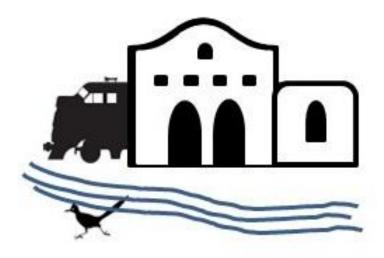
Contest Judging Form – Detail, Conformity, Finish & Lettering





2023 RMR Annual Convention

RAILS ALONG THE RIO GRANDE



The 2023 Rocky Mountain Region Convention Rails Along the Rio Grande, November 10-12, 2023 Albuquerque, New Mexico

Convention Hotel

Marriott Pyramid North, Albuquerque, NM 505-821-333 <u>https://marriott.com/abqmc</u> Convention Room Rate: \$131/Single

Hotel Link for Special Rate (Ctrl+Click): https://www.marriott.com/events/start.mi?id=1683843866138&key=GRP

Hotel Virtual Tour Link (Ctrl+Click):

https://www.weselfwalk.com/atrium-marriott-pyramid-albuquerque/virtual-tour

IMPORTANT DATES

Early Registration Normal Registration Late Registration **Convention Hotel Special Rate ends** Contest Forms 901 & 902 Contest Entry & paperwork for NMRA judging Contest Entry for Popular Vote only

Convention Activities

Friday, November 10

8AM - 11AM	Set up	Gallery Room, Marriott
1PM – 4PM	Model Entry,	Gallery Room, Marriott
6PM – 9PM	Clinics, Model Entry, Refreshments	Gallery Room, Marriott

Saturday, November 11

7AM - 9AM	Breakfast Buffet	Gallery Room, Marriott
8AM – 12PM	Model Entry, Clinics	Gallery Room, Marriott
12PM-1PM	Lunch for Contest Judges	Gallery Room, Marriott
12PM – 4PM	NMRA Contest Judging	Gallery Room, Marriott
6PM – 9PM	Clinics, Model Popular Voting, Refreshments	Gallery Room, Marriott
9AM-5PM	Rails Along the Rio Grande Train Show	Balloon Fiesta Park
	5	

Sunday, November 12

7AM - 9AM	Breakfast Buffet	Gallery Room, Marriott
8AM – 9AM	Model Contest Awards	Gallery Room, Marriott
9AM-4PM	Rails Along the Rio Grande Train Show	Balloon Fiesta Park

Full Convention Registration:

Primary \$70 early / \$75 normal / \$80 late Household Family Member \$45 Non-NMRA Primary Registrant Additional Fee: \$20 includes Saturday & Sunday breakfast buffets includes Friday & Saturday evening refreshments

1 Day Convention Registration

Primary \$50 early / \$55 normal / \$60 late Household Family Member \$30 Non-NMRA Primary Registrant Additional Fee: \$20 includes one breakfast buffet includes one evening refreshments

before June 15th after June 15th after Sept 15th

before October 13th

due by Nov 1st due by Noon, Nov 11th due by 4 PM, Nov 11th

2023 RMR Annual Convention

RAILS ALONG THE RIO GRANDE Albuquerque, NM November 10-12, 2023

Early Registration Form (Until June 15th)

ATTENDEE Primary Each Household Family Member Non-NMRA Member Primary Additional Fee	1 Day \$50 \$30 <u>\$20</u>	*	A	II Days** \$70 \$45 <u>\$20</u>
Total Registration			_	
 * includes one breakfast buffet, evening refres ** includes two breakfast buffets, two evening 		nents		
Primary + Family (household) members attend	ding: _			
Names (to appear on badges):				
Local Division:				
Please circle: 1 Day or All Days Dates: Please Circle: Planned Arrival Date Please Circle: Planned Departure Date	Nov 9 Thurs Thurs	Nov 10 Fri Fri	Nov 11 Sat Sat	Nov 12 Sun Sun
Please make checks payable to: Rocky Mou	ntain Reg	ion		
Print this page, fill out, and Mail form and	check to:			

Print this page, fill out, and Mail form and check to Rocky Mountain Region Convention c/o Denny Krausman 9609 Silver Hill Cir Lone Tree, CO 80124-5420

Prices subject to change, registration cost increase after June 15th

Point of Contact: Gary Myers, <u>garymyers06@comcast.net</u>, 720-837-4393 Point of Contact: Denny Krausman, <u>dkrausman@msn.com</u>, 303-880-1879



ALBUQUERQUE, NEW MEXICO

Old Town Albuquerque



AT&SF 2926 Restoration

ALBUQUERQUE, NEW MEXICO

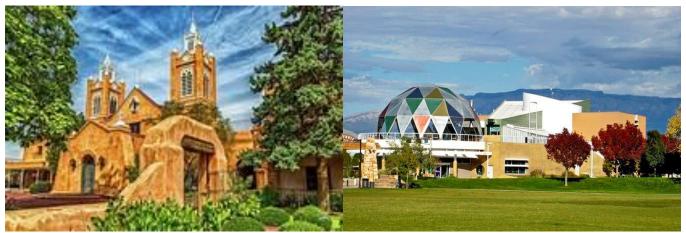


Petroglyph National Monument



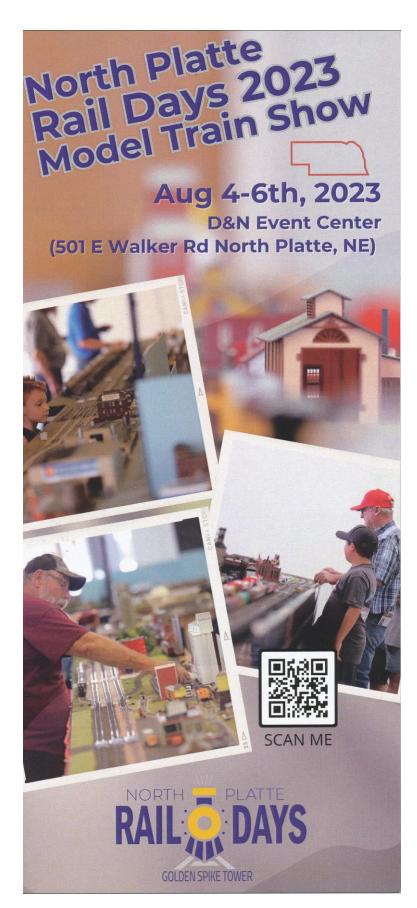
Museum of Nuclear Science & History

Sandia Peak Tram



San Felipe de Neri Church

Explora Science Center & Children's Museum



LAYOUT REGISTRATION

D & N Event Center (501 East Walker Rd, North Platte, NE 69101 AUG 4-6, 2023) FRIDAY & SATURDAY 9:00-5:00PM SUNDAY, 9:00AM-3:00PM



MODEL TRAIN SHOW

LIMITED SPACE; FIRST COME, FIRST SERVED*

\$300 STIPEND FOR CLUB, IF RESERVED BY JUNE 1ST* \$200 FOR THOSE WHO RESERVE JUNE 2ND-JULY 15TH. TO BE PAID VIA CHECK ON SUNDAY OF SHOW

FREE RAIL DAYS T-SHIRT & EVENT TRADING PIN FOR ALL LAYOUT VOLUNTEERS IN ATTENDANCE, IF RESERVED BY JUNE 1ST*

FREE DINNER THURSDAY NIGHT, DURING SET UP AT SHOW

BAILEY YARD BUS TOUR, FRIDAY NIGHT, 6PM (LIMIT 52)

FREE ADMISSION TO THE GOLDEN SPIKE TOWER (Thrs-Mon)

25% OFF MERCHANDISE AT THE GOLDEN SPIKE TOWER

FREE DONUTS & COFFEE, SATURDAY MORNING, AT SHOW

FREE PANCAKE BREAKFAST, SUNDAY MORNING, AT SHOW

FREE ICE CREAM SOCIAL, SUNDAY AFTERNOON, AT THE SHOW

LAYOUT PRIZE DRAWINGS - WIN UP TO \$250 !!!!

Name of Layout or Group:	Address:
Contact Name:	
Phone:	Email:
# of Layout Event size t-shirts, request for la	ayout volunteers: Estimate time of arrival:
attending: Small: Medium:	Large: XL: 2XL: 3XL:
O Please include any barriers and/or ropes in a	descriptions. Include a sketch, if necessary.
DIMENSIONS: x # 0	F TABLE REQUEST, INSIDE OF LAYOUT:
	CTRICAL REQUIREMENTS: ISA Standard or other
COMMENTS/NOTES:	

