



Sunrise Herald

June 2023 Volume 16 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

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Layout of the Month

This month's three photographs are from the Sunrise Division's modular HO scale layout. They were taken by the editor at the Rocky Mountain Train Show on April 9, 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.)



June Meeting Notes

The regular monthly meeting of the Sunrise Division of the National Model Railroad Association was held June 1, 2023 at Holy Love Lutheran Church. Superintendent William Boorman called the meeting to order promptly at 7:00. Twenty members attended in person. One member signed in on Zoom this month.

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

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

The meeting concluded at 8:58 p.m.

Next Meeting

The next meeting will be Thursday, July 6, 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.

Mask wearing is optional for all attendees.

Video of the Month

This month's video features the final video on Australian railroads. This is episode 3 of 3.

Railroad Australia | Episode 3 | FD Real Show - YouTube

https://www.youtube.com/watch?v=0j_boH2yAHk&t=0s

Upcoming Tool Time

July – NMRA Membership Webpage – Gary Myers

Upcoming Clinics for 2023

July – Building Non-Flickering Passenger Car Lighting Circuits for DCC and Weathering Techniques for Locomotives – Bill Botkin

August – 1903 100' DG Turntable - Gary Myers

November – ????? – Rich Flammini

Upcoming Show 'n' Tell Themes for 2023

July– Special Purpose Car

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.)

Module Report

The modules have been moved out of the trailer. With the North Platte show the first week of August, priority is being given to installation of new LocoNet plates and painting of the modules. Next is ballasting and ground cover improvements.

Addendum to Dave's clinic.

Thanks to Dave's clinic, I had a question on the life of a fire extinguisher. Chuck answered that it was 10 years. I won't state the age of my oldest one. They have been replaced.

Larry Stephens

Announcements

Sunrise Division Layout Tour July 22, 2023 Noon-3pm

Dennis Hagen's, Barry Allison's and Nick Tomlinson's layouts
Watch for the email announcement.

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

Rio Grande Div. 6, Rocky Mountain Region, National Model Railroad Association

RAILS
ALONG THE
RIO GRANDE
2023

MODEL TRAIN SHOW

BIG OPERATING TRAIN LAYOUTS | **NEW & USED MODEL TRAINS & ACCESSORIES**

FREE Parking!

Saturday, Nov. 11 | 9am-5pm
Sunday, Nov. 12 | 9am-4pm

Balloon Fiesta Park ALBUQUERQUE

Adults \$10 / Kids Under 12 FREE!

railsalongtheriogrande2023.com

Illustrations Courtesy of RMRTD/NMSL&RHS

SUPERCHARGED - HIGH SPEED - EXTRA POWER

TEXAS EXPRESS
AUGUST 20-26, 2023
Dallas/Fort Worth TEXAS

2023TEXASEXPRESS.COM

NMRA National Convention

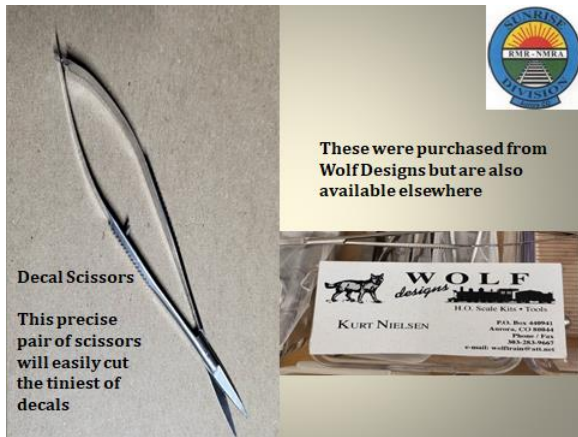


July/August Events

July 2023	Events * Activities
15	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.
19-22	UPHS 2023 Convention - Union Pacific Historical Society, Red Lion Pasco Airport & Conference Center, Pasco, Washington
22-26	St Cloud 2023 Convention - Great Northern Railway Historical Society, Best Western Plus Kelly Inn, 100 4th Ave South, St. Cloud, MN
August 2023	Events * Activities
4-6	North Platte Rail Days Golden Spike Tower and Visitor Center, UP Bailey Yard Tours, North Platte, NB
20-26	2023 Texas Express - NMRA National Convention Gaylord Texan Resort & Convention Center, 1501 Gaylord Trail, Grapevine, TX 76051
27-30	Rio Grande Modeling & Historical Society Annual Narrow Gauge Convention - Double-Tree by Hilton, Aurora-Denver, CO. Registration; \$95
30-Sept 2	43rd Annual Narrow Gauge Convention - Denver, Colorado Crown Plaza Denver Airport, Convention Center, Denver, CO

Tool Time

Gary Myers presented this month's Tool Time on decal tools. His presentation follows.




Decal Scissors

This precise pair of scissors will easily cut the tiniest of decals

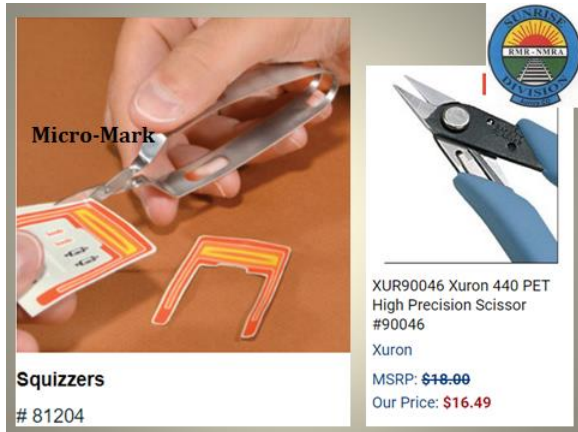
These were purchased from Wolf Designs but are also available elsewhere

WOLF designs
KURT NIELSEN



Knitted Polyester Clean Room Swab

Use to swipe off setting fluids.



Micro-Mark

Squizzers
81204

XUR90046 Xuron 440 PET High Precision Scissor #90046
Xuron
MSRP: ~~\$18.00~~
Our Price: **\$16.49**



Glosscoat

Use to pre-coat flat or porous surface

Dullcote - Flat Finish

Finish with flat to remove decal shine



MicroScale Micro Set

Use to wet & slide decal into place (with a fine point, like an Exacto blade)

MicroScale Micro Sol

Use to flatten the decal out and lock it down to surface

Addendum to Gary's Tool Time presentation. Larry Stephens reported: *I found that, for me, a "Cleanroom Lint Free Swab", worked great to finish up with wiping the decal. It squeezes the air and excess Micro Set from under the decal and wicks up the excess that's on top. I provided bags of five for anyone who wanted them.*

Show 'n' Tell

This month's Show 'n' Tell segment featured Industrial Structures. Rich Flammini and Gary Myers presented items.

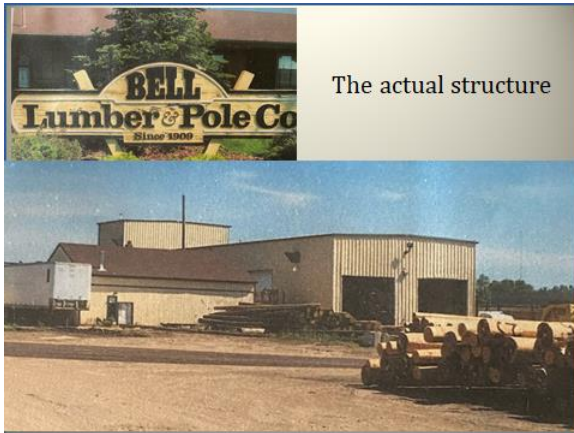
The Bell Pole Company is located about a mile east of where we lived in New Brighton, Minnesota. Their primary business is creosoting utility poles.

Back in the days when we weren't as concerned about toxic fumes, if the wind was blowing from the east, we knew the business was operating.

The large building is a Walthers kit that has been slightly modified with the tall building added. I've imagined what the ovens would look like and have added them.

The operation was served by an infrequently used Soo RR branch line.

Rich Flammini



The actual structure



My Show 'n' Tell is a little stretch for "Industry", since the Salida Steam Plant was a public utility. Originally it housed 3 boilers to power a vertical electrical generator, then later 2 large boilers. The power it generated was originally for street lighting. Narrow gauge gondola cars were delivered to a siding to provide coal for the boilers.

The building has been "restored" and is still used today for community events.

This model didn't work out, as many seams are just not blended. It will be replaced with a model with a full interior. The current model is being cleaned up for now as the stand in.

Gary Myers





Clinic

Dave Clifford presented this month's clinic on safety in model railroading. His PowerPoint slides are included here.

Safety in Model Railroading

Presented at the monthly meeting of the Sunrise Division of the NMRA

June 1, 2023

By Dave Clifford

Topics We Will Cover/Discuss

- Hazards
- Inspections
- Guidelines
- Practices
- Operations

Hazards

- **Electrical**
 - Physical
 - Water
- **Fire**
 - Environmental
 - Safety

Electrical Hazards

- Shock (Lack of Insulation)
- Circuit Overloading
- Lack of Grounding
- Unwanted Grounding
- Undersized Extension Cords (Zip Wire)
- Inadequate Number Of Power Sockets

Physical Hazards

- Aisle Widths
- Sharp Corners
- Changes In Ceiling Height
- Water (Abatement)

Water Abatement

- Tarp
- Sponge
- Bucket
- Pump

Fire Hazards

- A layout is made of flammable materials
 - Wood
 - Foam
 - Plastic
- Class A Fire Extinguishers will put out fires in ordinary combustibles including wood, cloth, rubber, paper, as well as many plastic materials.

Environmental Hazards

- Inadequate Lighting
- Climate - Heating/Cooling

Safety Hazards

- Falling
- Tripping
- Carbon Monoxide Poisoning

Shock Hazard Creating a Path Through Your Body To Ground



Handling Electricity

- DO NOT ASSUME THE CIRCUIT IS OFF!!!
- ENSURE THE CIRCUIT IS OFF!
- USE INSULATED TOOLS
- USE ONE HAND TO HOLD PROBES
- USE ALLIGATOR CLIPS

What About Model RR Voltages?

- DCC Voltage is around 14-16 Volts (V)
- DCC Current is around 1-2 Amperes (A)
- 14V x 1A or 2A = ~ 14-28W
- A Motor Overheating may cause a problem

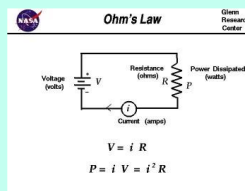
A Short Between Rails of Track

- This should turn the DCC Command Station or Booster off – to protect the equipment
- Never a good thing – may “fry” your stuff
- DCC Circuit Breaker protectors
 - Electronic
 - Light Bulb

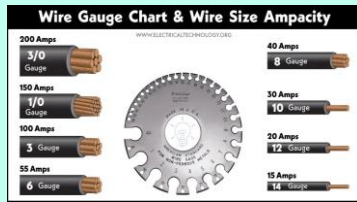
Ohm's Law

- A law in electricity that states that the current in a circuit is equal to the potential difference divided by the resistance of the circuit.
- In the first version of Ohm's law, $I = V/R$, the electrical current in a circuit can be calculated by dividing the voltage by the resistance.
- In other words, the current is directly proportional to the voltage and inversely proportional to the resistance.

Ohm's Law



American Wire Gauge (AWG)



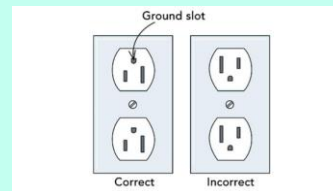
Receptacle Orientation

- There is no official right or wrong way to orient a receptacle—the National Electrical Code doesn't specify—but you can decide by using logic and common sense.

Heed The Electrical Rating

- What is the branch circuit limit in current (15 or 20 Amps) ?
- A duplex outlet is for 2 receptacles
- A typical 15-amp, 120v branch circuit can supply up to 10 receptacle outlets ($15 / 1.5 = 10$)

Receptacle Orientation



Don't Overload The Circuit

- Using Too Many Extension Cords
- Having Too Many Loads
- Calculate the Load Wattages
- Do NOT Overload!!!!

6 Outlet Power Strip w/3 Foot Cord

- Used in multiple environments
- Buy one with Built-In Circuit Breaker
- A metal structure is much safer

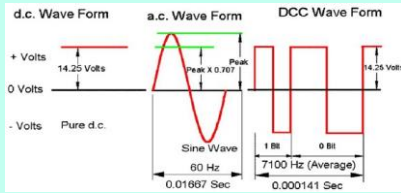
Your Best Friend - Learn To Use It!



Can you plug 2 extension cords into one outlet?

- Don't plug the cords together !!!!!
- Some people string two extension cords together to get a lengthier one, but this is not a good idea. Extending the cords this way can lead to overheating and overloading, creating a risk for fire. Instead, get one extension cord with the right length.

Wave Forms



NMRA Standards and Recommended Practices

- "What Is a Standard and How Does It Differ from a Recommended Practice?"
- A Standard is a figure, relationship or dimension that is mandatory, it is "cut in stone" so to speak and must be followed to facilitate interchange or interface, whichever the case may be. Standards can be changed but ONLY after the change has been reviewed by the membership, comments from the membership reviewed and where appropriate incorporated and then presented to the Board of Directors for approval.
- RPs (Recommended Practices) are those figures, relationships or dimensions that the Engineering Committee has established through actual tests and feel are beneficial to operation. These are presented to the Board of Directors (BOD) for their approval.

Inspections

- Layout Safety
- Room Environment
- Electrical
- Rolling Stock Operation
 - Coupler Height
 - Weight
 - Friction
- Unwanted Grounding

Operations

- Fast Time Clock Running
- Switching - Industry Pick Ups/Deliveries
- Be Safe!
- Have Fun!

Guidelines

- Establish/Maintain Guidelines to follow
 - Electrical Wiring
 - Layout Structure
 - Track Layout

Endpage

- Created 2023-05-29 by LibreOffice Impress
- Converted to .ppt format
- Contact me for copies (clifforddc@gmail.com)

Practices

- Track Wiring – Red/Black Colors
- Track Gauge/Code
- Connecting wires with standard/defined plugs/barriers
- NMRA Standards
- NMRA Recommended Practices
- NMRA Data Sheets

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

<https://marriott.com/abqmc>

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	before June 15th
Normal Registration	after June 15th
Late Registration	after Sept 15 th
Convention Hotel Special Rate ends	before October 13th
Contest Forms 901 & 902	due by Nov 1 st
Contest Entry & paperwork for NMRA judging	due by Noon, Nov 11 th
Contest Entry for Popular Vote only	due by 4 PM, Nov 11 th

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

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

2023 RMR Annual Convention

RAILS ALONG THE RIO GRANDE

Albuquerque, NM November 10-12, 2023

Early Registration Form (Until June 15th)

ATTENDEE	1 Day*	All Days**
Primary	\$50	\$70
Each Household Family Member	\$30	\$45
Non-NMRA Member Primary Additional Fee	<u>\$20</u>	<u>\$20</u>
Total Registration	_____	_____

* includes one breakfast buffet, evening refreshments

** includes two breakfast buffets, two evenings refreshments

Primary + Family (household) members attending: _____

Names (to appear on badges): _____

Local Division: _____

Please circle: 1 Day or All Days

Dates:	Nov 9	Nov 10	Nov 11	Nov 12
Please Circle: Planned Arrival Date	Thurs	Fri	Sat	Sun
Please Circle: Planned Departure Date	Thurs	Fri	Sat	Sun

Please make checks payable to: **Rocky Mountain Region**

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, garymyers06@comcast.net, 720-837-4393
Point of Contact: Denny Krausman, dkrausman@msn.com, 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



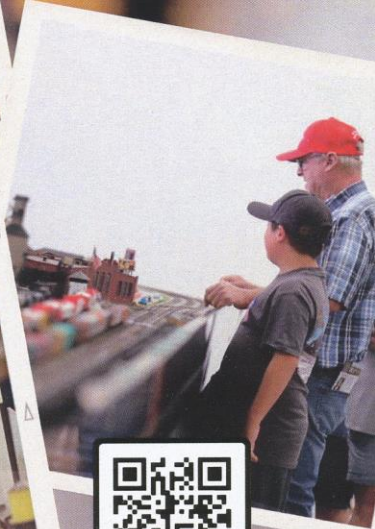
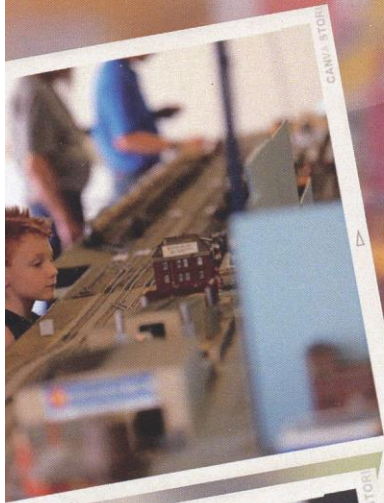
Explora Science Center & Children's Museum

North Platte Rail Days 2023 Model Train Show



Aug 4-6th, 2023

D&N Event Center
(501 E Walker Rd North Platte, NE)



SCAN ME



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



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 Volunteers attending:	Event size t-shirts, request for layout volunteers: Small: Medium: Large: XL: 2XL: 3XL:	Estimate time of arrival:
LAYOUT INFO	<p><i>Please include any barriers and/or ropes in descriptions. Include a sketch, if necessary.</i></p> <p>DIMENSIONS: x # OF TABLE REQUEST, INSIDE OF LAYOUT:</p> <p>SHAPE: ELECTRICAL REQUIREMENTS:</p> <p><small>i.e. Rectangle, Oval, Square.</small> <small>ISA Standard or other</small></p> <p>COMMENTS/NOTES:</p>	

CONTACT: GENE TACEY (308) 386-2489 TACEYS@GPCOM.NET
 Mail: Golden Spike Tower 1249 N Homestead Rd, North Platte, NE 69101



Hours

Friday, August 4th
Saturday, August 5th
9:00am-5:00pm

Sunday, August 5th
9:00am-3:00pm



Admission

Adults..... \$5.00
Youth (6-12) \$1.00
Ages 5 & ↓ Free

FREE with North Platte
Rail Days VIP Badge



Things to See & Do

Operating model railroads in multiple scales
Vendors selling model railroad items & memorabilia

Information & Education including:

- "How to get started in model railroading"
- "Tips & Tricks to displays"
- "Model Railroading 101"



For the Kids

Lil' Spike Kids Play Zone
Scavenger Hunt
Color Station
& More!



Sunday's Special Events

Pancake Feed
9:00am-11:00am

Ice Cream Social
1:00-3:00pm

with admission



For more information

Golden Spike Tower
1249 N Homestead Rd
North Platte, NE 69101
(308) 532-9920
info@GoldenSpikeTower.com

The Golden Spike Tower is an equal opportunity employer & provider.