



March 2020

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Sunrise Division Officers

Superintendent.....William Boorman
 Asst. Superintendent.....Dennis Hagen
 Secretary.....Larry Stephens
 Treasurer.....Rich Flammini
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 Division AP Chair.....Bob Rothgery
 Youth Coordinator.....Ernee Edwards
 Education Chair.....Stewart Jones
 Modular Layout Chair.....Don Francis
 Herald Editor.....Larry Stephens
 Web Site <http://trainweb.org/SunriseDivision>

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The Denver Library digital content.
<http://digital.denverlibrary.org/cdm/>

Next Meeting

April meeting is cancelled. Our next Division meeting will be Thursday, May 7, 2020, at Holy Love Lutheran Church, 4210 South Chambers Road at 7PM.

Upcoming Clinic for 2020

May – Layout Command Control
 Detlef Kurpanek
June – 5th Annual Sunrise Division Model Railroad Auction - Rich Flammini
July-November – TBD
December – Movie

Upcoming Tool Times for 2020

May – Plate Glass as a Tool - Larry Stephens
June-December – TBD

Upcoming Show 'n Tell Themes for 2020

April – Dining Cars
May – Your Favorite Loco
June – Military
July – Railroad Structure
August – RR Artifacts & Relics
September – Refrigeration
October – Dwelling Structures
November – Express Cars
December – Holiday Theme

From the Editor

The February Herald article "Railroad Special Fonts" has a follow-up article "Tips on Fonts" in this issue of the Herald.

February Meeting Notes

William Boorman called the meeting to order. He asked us to introduce ourselves and mention what we recently did railroad related. Upcoming train events were announced. You can go to our website (see above) and under "Upcoming Events" (Page 7). Check web sites for cancellations.

Gary explained that the Freemo event at Deshler, Nebraska, is a point-to-point operation consisting of many modules. The standard is at the point they connect. They can be any length or width (within reason). Copy and paste into your browser for more information:

<http://4dpr.com/an-introduction-to-free-mo-part-1-exploring-this-form-of-model-railroading/>



Photo from the web:

William, while on a job site for his company, was able to visit a division in Albuquerque that has both an N scale and an HO scale module. They each are located in a store front so they can leave them up.

URL of the Month

I have a couple more videos of the modules taken at the Spring Creek Train Show in 2019.

My Union Pacific MOW train starts at 8:50 and runs to 13:20.

<https://www.youtube.com/watch?v=h1noGua2Bfw>

This video covers half of the Sunrise modules which starts at the beginning.

<https://www.youtube.com/watch?v=7BWIGBerQFU>

Tool Time

Painting Jigs

Gary Myers / Bob Rothgery

Gary Myers showed a one of a kind plate that had pins at both ends to hold a boxcar or any other car for painting, detailing or weathering.

Bob Rothgery demonstrated the use of wheel masks used to weather wheels. Bob needed to paint 80 wheels and the wheel masks are the only way to go. He used ones from Micro Mark which is a set of 33" and 36" wheel sizes. Each one holds four wheels.

Larry Stephens added: American Model Builders makes wheel masks, including the ones sold by Micro Mark, which carries the largest size. There are three different sizes for 33" wheels and three different sizes for 36" wheels. They may be purchased from EBay or American Model Builders directly.



Information from American Model Builders.

The wheel mask diameters are as follows:

#906 Kadee 33" = 0.381"

#908 InterMountain/Reboxx 33" = 0.381"

#910 Proto 2000 33" = 0.387"

#907 Kadee 36" = 0.410"

#909 InterMountain/Reboxx 36" = 0.420"

#911 Proto 2000 36" = 0.426"

As long as the wheel diameter falls under the size, the mask should be OK to use, albeit some slight over-spray may be experienced. Too large of a wheel can cause the mask to crack. And never apply heat to the mask while the wheel sets are still in the mask, such as using a hair dryer or placing it in the sun, as metal wheels will expand with heat and also cause the mask to fail. We have a draft angle built into our laser-cut masks that coincides, to a degree, with the taper found in the brands of wheel sets we offer. Other wheel sets may not have a comparable taper and thus could still have fit issues.

Show and Tell

Open Load Cars



Adam Crews: 380-ton Schnabel Car and a Consist of 89' cars.



John Priecko: Various weathered cars with exterior and interior loads.



Devin Jones: G Scale scratch built cars with AMT Dozer kit

Show and Tell (Continued)



Leigh Swan: The Thunder Lake and Northern with wood from a trimmed bush.



Stewart Jones: Auto frames, scrap metal, lumber, and corrugated loads.



Larry Stephens: Various loads, some made from guess what it could be to the obvious.

Clinic

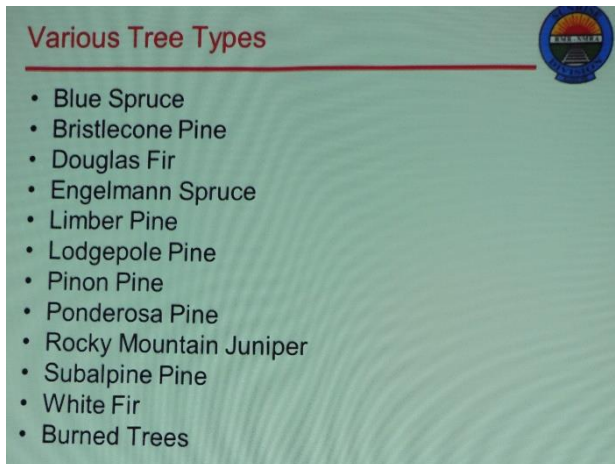
Making Colorado Pine Trees

Gary Myers

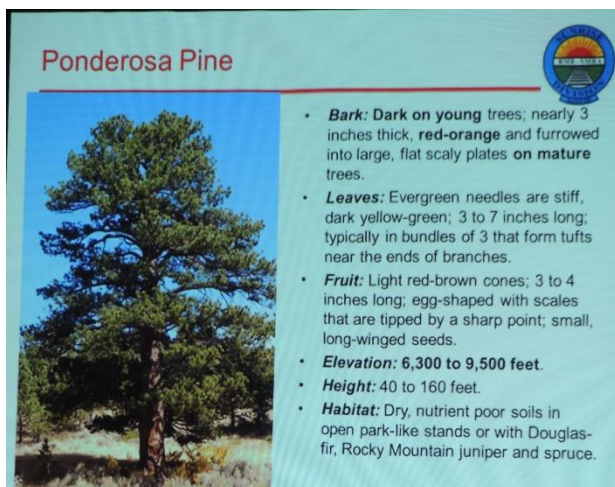
Gary Myers admitted that his knowledge of the different types of pine trees is limited. Off to the internet and he found this web site:

<https://csfs.colostate.edu/colorado-trees/colorados-major-tree-species/#1466529071538-b3b221f3-39de>

To see how the forest looks, take photos of the country you are landscaping.



The list of the main Colorado pine trees



Gary described the different types of pine trees, giving the description of bark, leaves, fruit, elevation, height and habitat. Using photos of actual trees, additional descriptions were given. Descriptions of the color of the trees were explained. Photos of the High Park burn area gave Gary the model ideas for the small burned forest on his layout.



Gary started by attaching thermostat wire that has been stripped of its covering to a secured board with an eyelet. The other end of the wire is attached to the drill. He operated the drill for a few rotations. This wire is about 18 gauge. The next step is to cut short pieces pulled from twine and slipped through the wire loop.



When done, operate drill slowly until the twine is evenly spread. This is how it looks after drill is removed.



Next remove from eyelet.

Clinic (continued)

Colorado Pine Trees

Tree	Shape	Bark Color		Needles	Height ft.	Elevation ft.	Habitat
		Young	Mature				
Blue Spruce	Oblong	Gray-Brown	Blue or Lt Green	Blue or Lt Green	70-110	8700-11,000	Wet-drained, sandy soils, along streams
Blackstone Pine	Short	Lt Gray	Red-Brown	Lt Green	15-30	8200-11,800	Exposed, dry rocky slopes
Engelmann Fir	Narrow-Krone	Gray	Red-Brown	Velvet Green	100-180	8000-9500	Rocky soils, in sheltered slopes
Fraser Fir	Cylindrical	Gray-Brown	Dark Blue-Green	Dark Blue-Green	40-100	8000-10,000	Moist, northern slopes
Limber Pine	Upright and	Lt Gray	Lt Blue-Green	Lt Blue-Green	40-90	10,000-12,000	Barren, rocky soil
Colorado Pine	Spaced	Light Brown	Long, Lt Green	Long, Lt Green	20-80	8000-11,000	Wet-drained soils, high elevations in staves
Pinon Pine	Irregular	Gray	Red-Brown	Med. Lt Green	20-50	10,000-12,000	Open woodlands, alone on rocky north- & south
Ponderosa Pine	Bushy	Red-Orange	Long, Lt Green	Long, Lt Green	40-100	8500-9500	Wet-drained soils in open parks, with other stands
Rocky Mountain Juniper	Prostrate	Gray-Brown	Short, Gray-Green	Short, Gray-Green	10-20	9000-10,000	Rocky soils, north- & south
Subalpine Fir	Short	Gray	Short, Lt Blue-Green	Short, Lt Blue-Green	60-100	8500-10,000	High elevations with other conifers
White Fir	Cylindrical	Lt Gray	Lt Gray-Blue	Med. Lt Blue-Green	80-120	7500-10,000	Moist valleys with other firs

Height (ft)	1/220	1/160	1/87	1/64	1/48	1/32.5
15	0.82	1.125	2.07	2.81	3.75	6.00
20	1.09	1.5	2.76	3.75	5	10.67
40	2.18	3	5.52	7.50	10	21.33
60	2.73	3.75	6.80	9.38	12.5	26.67
80	3.27	4.5	8.28	11.25	15	32.00
100	4.36	6	11.03	15.00	20	42.67
120	5.45	7.5	13.79	18.75	25	53.33
140	6.27	8.625	15.86	21.56	28.75	61.33
160	6.82	9.375	17.24	23.44	31.25	66.67
180	7.09	9.75	17.93	24.38	32.5	69.33

The next step is to select the tree you want to make and its color. Paint using a spray can.



After the paint is dry, cut a section the height you want. Next, trim to the desired shape with scissors.



Apply hair spray to the tree. Determine the size and density of the needles and use the appropriate size ground foam. Roll the tree in the foam and shake off the loose foam. Spray on more hairspray.

When making trees, have a picture handy of the tree you want to model. It will help you to shape it and to know the amount of ground foam to use. A coffee grinder will reduce the size of the foam.



Gary's collection of various colors and sizes of ground cover.



Bob Rothgery displayed trees made from Caspia. The trunks are shaped with a wood rasp, then many holes are drilled in the tree to hold branches. These trees take from two to four hours to make. Bob paints the Caspia first before he inserts branches into the tree. Caspia can be purchased from Joann's.

Tips on Fonts

Tip one: You can mix fonts by highlighting each letter and changing the font one at a time. The same goes for color.

Tip Two: If, for example, you need to print an engine number board 3985 and you need it smaller than size 8 (smallest listed in windows) manually change the font size in the font size column. Type "5" in the font size column and you will have (3⁹⁸⁵), or type "3" in the size column and you will have (3⁹⁸⁵) (zoom in to see). There is a big gap between font size "48" and "72." Yes, again, any size in between can be selected.

Tip Three: You found the right font and the right size, but now the spacing is too tight (3985) and when a space is put between each number (3 9 8 5), there's too much space. You can also change the size of the space just as you changed the font size by highlighting the space itself. Click on the far right symbol as shown below which will show the space location.



You can highlight more than one space by highlighting the first space then each one after by holding down CTRL. It will look like this.

(3 9 8 5)

The following space size examples are font size 9, 6 and 3. (3 9 8 5), (3985), (3985).

I'm Not Cheap, I'm Frugal

You can buy a locomotive cradle:



Bachman about \$81.49



Bowser about \$19

Free:



Start with a piece of foam.



Cut down both sides



Cut to remove peaks

Upcoming Events

Apr 4 -- Sat 8AM Viewing, 9AM Auction
Colorado Toy Train Foundation O & G Scale
Public Model Train Auction
<https://coloradotoytrain.org/auctions>

Apr 18 -- 19 - Cancelled due to coronavirus
<https://tecoshow.org/>

Apr 30 - May 2
Rio Grande Modeling & Historical Society Mile
High Spring Meet with the Burlington Route
Historical Society 2020 Spring Meet
Denver Marriott West
1717 Denver West Boulevard, Golden, CO
More information <https://www.rgmhs.org/>

May 13 - 16
Union Pacific Historical Society Convention
Red Lion Hotel
<http://uphs.org/conventions/future-conventions/>

May 16 - 17 - 10AM to 5PM Sat; 12 PM to 4PM Sun
Sherman Hill Annual Train Show
Frontier Exhibition Hall
<http://shermanhillrails.org/>

May 23 - Sat 9AM to 11:30AM
Model RR & Toy Train Swap Meet
(303) 989-0087 or (303) 985-1491
Green Mountain Presbyterian Church
12900 W. Alameda Pkwy, Lakewood

Modules

The modules were at the March TCA Train Show. We had a great turn out for set up and tear down. We set a record for tear down at 1 hour 35 minutes. Many thanks for all who showed up.

A number of our members ran trains and, at several times, we had four trains running, two on each track. In addition, running the junior engineers through their requirements made for a hectic operation. We had a few rear ends but no head on meets. This was the first time it felt like an operating session. We had trains ready to enter the main waiting for one to be removed to a siding. A lot of hectic fun. Adam tried to run his Schnabel Car around the outside main. First, all traffic had to be clear of the inside main curves. It almost made it but could not clear one cut.



Alright, who planned this route?



It's not coming through.



No traffic on the inside track, I hope.



Left side of layout.



Right side of layout.

Track Side



Photos

Photos by Larry Stephens (taken 2010). Top Photo: 844 coming up the wye in Denver.
Bottom photo near the stopping point where it will back in to Union Station.

