



Division Points

Indian Nations Division of the National Model Railroad Association

www.tulsanmra.org

Issue No. 68

February 2023

NEXT MEETING:

February 18th

SHOW AND TELL:

Something New



PRESENTATIONS:

Howe truss carfloat transfer bridge — Ed Bommer

Weathering Freight Cars — Steve 'Doc' Campbell

Model a Cement Plant — Dave Salamon

From the Superintendent

It seems like it's been forever since our last in-person meeting at Hardesty. This Saturday (2/18) we'll finally be able to get together in the wonderful Hardesty Library. I for one am really looking forward to seeing all of you again, and especially the GREAT presentations we have lined up!

I am always amazed at the wealth of knowledge within our Northeast Oklahoma model railroading community. Within our group, we have accomplished, published modelers; designers of challenging, realistic and fun operating plans; people skilled with photography and use of software like PhotoShop; users of 3D printing; people knowledgeable about DCC, computer, electronic and other technical matters; and just about every other aspect of our hobby, in every scale – from N to G and even 1/8" scale. Do we have any Z-Scalers?

My hope for the Indian Nations Division is that we can get more of our community involved in our meetings, whether to gain or share knowledge. I find personally, not being an expert in much of anything, I still have things I can share, and a LOT that I can learn. And it's just fun to get together with fellow hobbyists.

I look forward to seeing you this Saturday!

-Steve



ALL ABOARD!

UPCOMING EVENTS IN OUR REGION...

Northwest Arkansas Model Train Show

February 25, 2023 (Sat 9am-4pm)
Benton County Fairgrounds
7640 SW Regional Airport Blvd.
Bentonville, AR

<http://sugarcreekrailroadclub.com/>

Greater Tulsa Area Train Show

April 1
Sat, 9 AM - 3 PM
Bixby Community Center, 211 N Cabaniss
Ave
Bixby, OK

CANCELLED

Lawrence Model Railroad Club 21st Annual Train Show & Swap Meet

March 4 & 5, 2023
(Sat 9am-5pm, Sun 9am-3pm)
Crown Toyota,
3400 S. Iowa Street
Lawrence, KS

<http://lawrencemodelrailroadclub.org/TrainShow.html>

2023 Texas Express NMRA International Convention

Aug. 21-26
Grapevine, TX

<http://2023TexasExpress.com>

2023 MEETINGS

Meetings are from 9:30 to 12:30

February 18, 2023 - Share something new

May 20, 2023 - Antiques/Collectables

September 16, 2023 - Cabooses

November 18, 2023 - Structures/Dioramas

Hardesty Library

8316 E. 93rd St.

(Just East of Memorial on 93rd St.)

John W Barriger III Photo



Cover Photo: Rock Island F units rounding the bend on Dave Salamon's Deep River Southern.

INDIAN NATIONS

OFFICERS

Superintendent

Steve Davis

Assistant Superintendent

Dave Steensland

Director

Raymond Brunner

Paymaster

Raymond Brunner

Achievement Program

Ed Bommer, MMR

Division Points Editor

Dave Salamon

Local Model Railroad Organizations and Shops

Indian Nations Division of the NMRA

www.tulsanmra.org

Allan Roecker
(918)886-5732

Green Country Model Railroad Association

John Carter

Phone: (316)250-5874

GCMRA.org

<https://www.facebook.com/Green-Country-Model-Railroaders-Association-162356590476356/>

Saturday's & Tuesday's - 9:00AM to Noon.

5626D West Skelly Drive
Tulsa OK 74102

North Eastern Oklahoma N Scalers (NEONS)

www.tulsa-neons.com

Richard Fisher
918-298-4800

Tulsa Garden Railroad Club

www.tulsagardenrailroadclub.org

Donnie Shirey
918-361-1760

Oklahoma Narrow Gauge

www.okng.org

Randy Smith

North Eastern Oklahoma Live Steamers

<https://www.facebook.com/groups/1152224404840942>

Dave Salamon
(918)607-2793

Toy Train Operating Society—Sooner Division

<http://www.ttos-soonerdiv.org/>

Challenger N scale Hobbies

8753 S Lewis Ave, Tulsa, OK 74137
(918) 298-4800

Top Shelf Models

119 S Main St, Owasso, OK 74055
918-274-0433

Reindeer Pass Railroad

<http://www.reindeerpass.com/>

10919 N 173rd E Ave, Owasso, OK 74055
(918) 361-6084

HobbyTown USA

<https://www.hobbytown.com/tulsa-ok/174>

6808 S Memorial Dr #116, Tulsa, OK 74133
(918) 307-2000



SUPERCHARGED - HIGH SPEED - EXTRA POWER

TEXAS EXPRESS

AUGUST 20-26, 2023
Dallas/Fort Worth TEXAS



2023TEXASEXPRESS.COM



NMRA *National Convention*




National Convention

2023TEXASEXPRESS.COM

MAXIMUM HORSEPOWER - HIGH SPEED

TEXAS EXPRESS

AUGUST 20-26
 Dallas Fort Worth **TEXAS**




November 2022 meeting

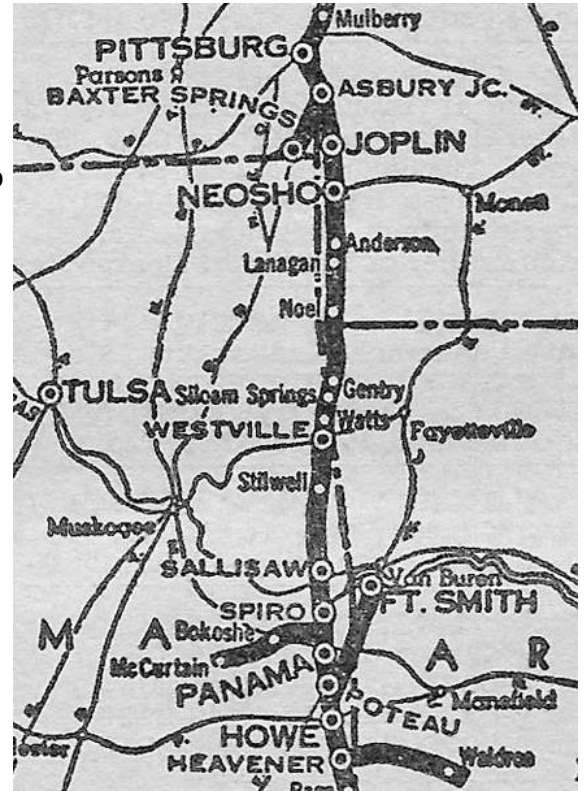
KCS 2nd Sub Division, Why and What - Steve Davis

1 Why?

- a. I'm planning to retire this year and wanted a major project to keep me occupied
- b. 3rd sub operates well, could use more work, but not enough to occupy the majority of my time.
- c. I wanted to invest in expanding the building while I was still working so I did that before retiring.

2 What?

- a. Extending the length of the current building (doubling it: from 60' to 120')
- b. Adding the 2nd Sub
- c. Will run from Heavener, OK , VIA Watts OK (current end of 3rd sub) to Pittsburg KS (end of 2nd sub)



Site overview – BEFORE:



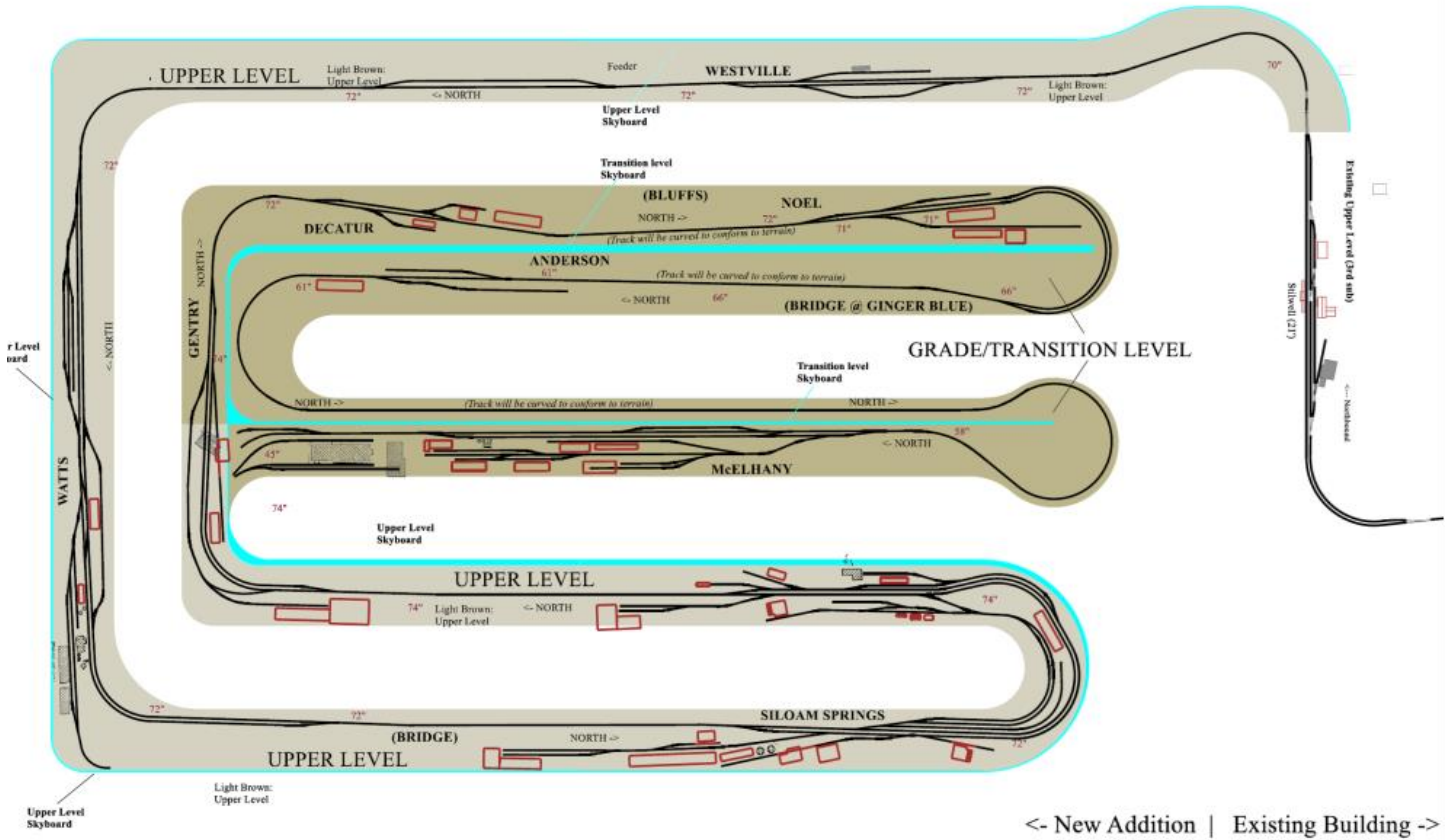
November 2022 meeting (Cont'd)

Building Extension - AFTER (I DID power wash it in the fall BTW!) – exactly double what I had:



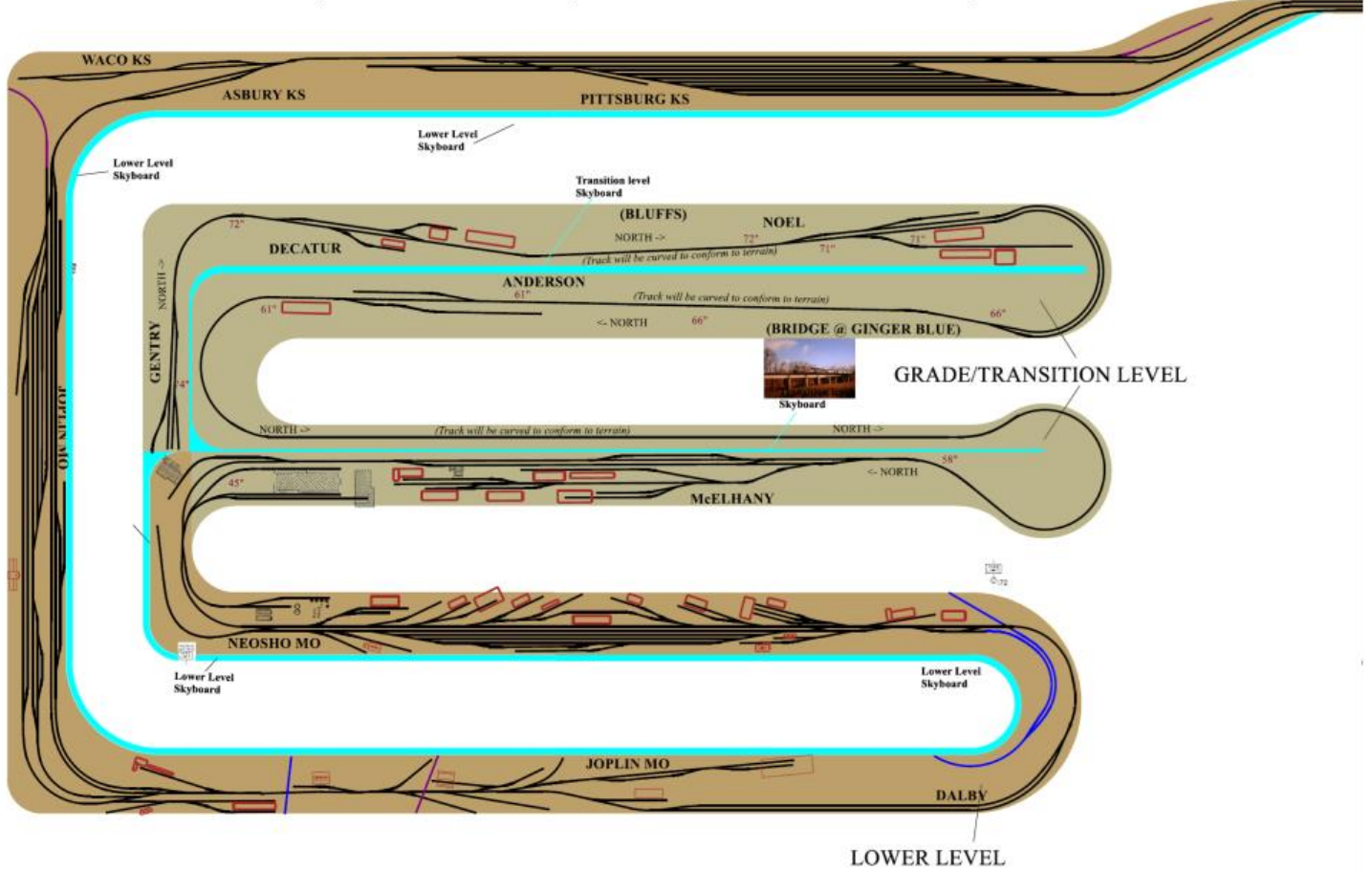
Track plans for both levels. The added 2nd sub will be mostly double deck except for a “transition level” that goes from one level to the other exactly where the prototype has a grade. It is a “mushroom” style layout: operators on one level don’t see or interact or share aisle space with those on the other level:

UPPER LEVEL (LIGHTER BROWN) AND TRANSITION LEVEL (DARKER BROWN)



November 2022 meeting (Cont'd)

LOWER LEVEL (DARKER BROWN) AND TRANSITION LEVEL (LIGHTER BROWN)



PROGRESS PHOTOS!

Peninsulas 4 & 5, upper level including walkway (bottom level L-Girders not yet installed on any of the layout – upper level ALMOST ready for risers and sub-roadbed. Primary town where camera is: Siloam Springs, AR



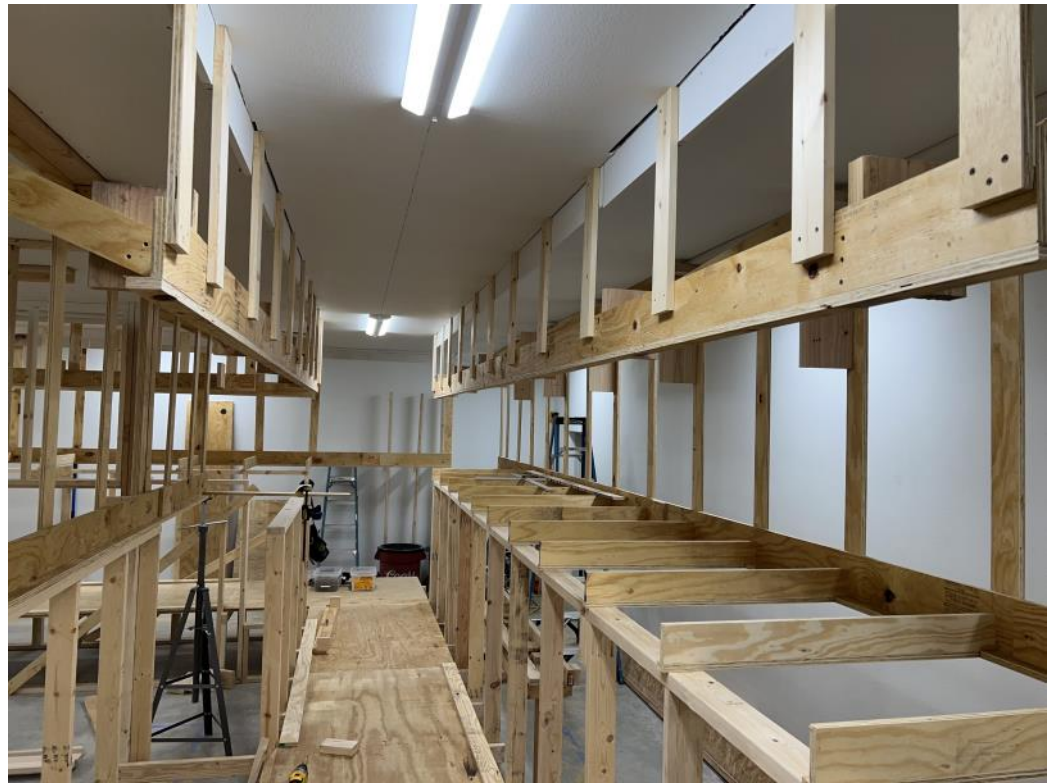
November 2022 meeting (Cont'd)



Upper level, peninsula 1 – primary town, Westville (will be on right of picture) At top you can see framing for valence, then skyboard, L-girders for layout, and framing for fascia and curtain, plus raised floor.

Rearmost peninsulas (7 & 7)
– town on right will be Watts,
above Joplin MO below – on
left will be Gentry AR.

share aisle space with those
on the other level:



Click here to Visit Steve's web page and follow along with updates:

<https://kcs1982.vistaprintdigital.com/>

From Cincinnati Division 7 Car Projects

**N&W HC-46 ACF 2-Bay Covered Hopper
New! Arrived Sept. 2022**



Using Accurail's 2200 Series ACF 2-Bay Covered Hopper as the basis, we are offering it in a Norfolk & Western repaint scheme. These cars are N&W class HC-46 and are from an original batch of fifty built by in 1966 by ACF with the Round Herald paint scheme. Subsequently some cars went through a general maintenance program and were repainted in the block N&W livery. Photos were found showing at least three of these cars (road numbers 170753, 170768 and 170794) were reweighed at some later date because that area is "patched out" on the car with the new data displayed. Those same photos place these three cars as being in service in 1992 and 2004. It is these three, highly unique, road numbers that Cincinnati Division 7 is now offering for sale as limited edition kits.

Pricing is \$25 per car, or a 3-car set at \$70. Shipping (via USPS Priority) is \$9.45 for one car and \$17.10 for two to three cars. Ohio residents, please add 7.8% sales tax on the total price of the kits and the shipping/handling fee. Customers outside the USA, please contact us for shipping arrangements and charges.

To order, please send your email and phone information along with a check or money order in US dollars, payable to Cincinnati Division 7, MCR, NMRA, to:

Cincinnati Division 7 Car Projects
c/o Paul Maciulewicz
9151 Congress Court
West Chester, Ohio 45069

Contact our Car Projects Chairperson with any questions.

November 2022 meeting

Everything that you need to know to build a model railroad! - Ken Ehler's



What are we going to do?

- Picking a prototype
- Track planning
- Benchwork
- Wiring
- Scenery
- Tips for building better for reliable operation
- A bit on operations
- And some propaganda...

November 2022 meeting (Cont'd)

In the beginning.....



Double decks - 26 inch separation



Metal brackets hold up upper deck

November 2022 meeting (Cont'd)

First rock castings



Coloring with acrylics



November 2022 meeting (Cont'd)

RID GRANDE SOUTHERN



WHAT'S NEW ON YOUR LAYOUT????

(Please email Dave Salamon—drs_rr@yahoo.com with any layout updates or projects you'd like to share with the members)

Steve "Hollywood" Whiteside's layout taking shape in Claremore.



WHAT'S NEW ON YOUR LAYOUT????

(Please email Dave Salamon—drs_rr@yahoo.com with any layout updates or projects you'd like to share with the members)

Dave Salamon modified a Bar Mill Models Clark's Wood Products into this building named for Sam Simons, the S. Simons Manufacturing Co.



Introducing the best deal in model railroading.

Join the NMRA for 9 months for just \$19.95!*

- Get discounts from free shipping to 20% off (or more) from manufacturers of all sizes who've partnered with the NMRA
- Contact other NMRA members anywhere in the world for layout tours, train chat or even op sessions through our Model Railroad Directory
- Get access to more than 20,000 photos, slides, plans, drawings, paint schemes and more with the NMRA Online Archives
- Receive 9 monthly issues of *NMRA Magazine*
- Receive reduced rates on layout or collection insurance
- Take part in programs like Modeling with the Masters, the Achievement Program, Estate Counseling, contests, clinics, and more!
- Attend events at your local Division or Region

Sign me up!

Fill out this form and include your payment.

U.S.: Send \$19.95 (U.S.) to NMRA-RailPass Membership, P.O. Box 1328, Soddy Daisy, TN 37384

Name _____

Address _____

City/State/Zip _____

Phone (____) _____

Email _____

Check Credit card

Credit Card # _____

Expiration _____ Security Code _____

Signature _____



**So much bang.
So few bucks.**

*RailPass offer is for new members and those who haven't been NMRA members for two years or more. Individuals can join at RailPass rates only once. Membership renewal will be at the regular membership rate. RailPass members can attend conventions and participate in contests, but cannot vote or hold office.

Weather Wood Single Sheathed Cars - Andy Carlson

My interest in lumber has led me to examine photos of single sheathed freight cars in a critical way. Unlike double sheathed cars, single sheathed cars usually did not have tongue & Groove edges while double sheathed not only had the T&G edges, they were commonly milled with a 'V' along the board's edge giving the characteristic finished look so attractive on both freight cars and passenger cars.



Logs milled into lumber start out as cylindrical and are sawn into flat panels where individual boards are sliced from. Depending on the location of this sawing relative to the circular ring pattern of the log, it will create different styles of finished lumber. Where the rings, as viewed from the board's edge, stand vertical that is called 'vertical grain' or quarter sawn. Boards with the ring grains running horizontally from side to side is called 'flat sawn'.

Understanding the reasons for the existence of tree rings in lumber is helpful in seeing the weathering differences found in ageing milled lumber. Each ring zone in a tree is from a single season of growth, particularly in temperate forests. The broader area is from spring growth and is the most rapid growth the trees will have in a season. This portion of wood growth is called "spring wood". After this fast growth, the slower growth of summer is much denser but also much slower in growth producing the dark ring which is called 'summer growth'. Summer growth is both denser and narrower and the denseness makes it the strongest portion of a log. The much faster growth of the spring

Returning to the differences of flat and vertical grain sawed lumber; if the boards are cut from the flat grain area of a slab at the mill the face of the boards will have the characteristic look of ovals and wavy lines, which is what is seen of the rings as they are exposed to the cut lumber. Remember that the spring wood is less strong and that the face of the flat grain on a board will have that board exposed to the weather with the higher % of weaker wood. I like to call attention to wood fence posts. Commonly beveled at the top to reduce the pooling of standing water, accelerating rot, the tops of these boards clearly show the ring structure in the horizontal and circular view. After a few years, you will see that the areas within the rings will retreat downwards due to the softer spring wood's less resistance to rot. This same principle is at work on milled freight car siding. Since the commonly milling methods produce a mix of flat grain and vertical grain boards it was not uncommon for sheathing boards to also be a mix of mill cuts. Nowadays, many of the more premium boards are pulled out of the green chain to be sold at a premium due to their recognized better quality.

So a freshly sheathed SS car will usually have a mix of these boards and after a few years, the boards with faces of predominantly flat grain (spring wood) will decay noticeably faster.

I have a sample photo of an older single sheathed car, a WP 40' box car in the 15001-16000 series.



The difference between the boards with the paint intact vs. the boards with silvering weathering where the paint has flaked off is striking. The boards which are in between flat grain and vertical grain have ring patterns varying from within the two extremes and will have a variable amount of face spring wood and will show slower rotting of the flat grain wood but faster rot than the vertical grain boards.

Notice that these boards are truly aging, but the tightness of the boards to each other remains pretty good. No leaks from sand or wheat which will pour out.

In the history in this hobby of recreating freight cars in the form of models has shown the steady reduction of the very deep and wide grooves manufacturers used to delineate the individual boards. Some experiments have making the boards of different thicknesses, such as Tichy cars with boards that stand both outwards and inwards relative to each other. As shown in this closeup picture these boards do not show this kind of board differential at all.

As for how do we emulate the style visible in the photo for our miniatures? I am being more convinced that subtle groove lines coupled with differential painting is the way to more closely achieve this look. If I weren't so slow (lazy) I would be doing some painting experiments.

I hope that you will share your techniques and results with the rest of us.



May 1943. Bensenville, Illinois by Jack Delano

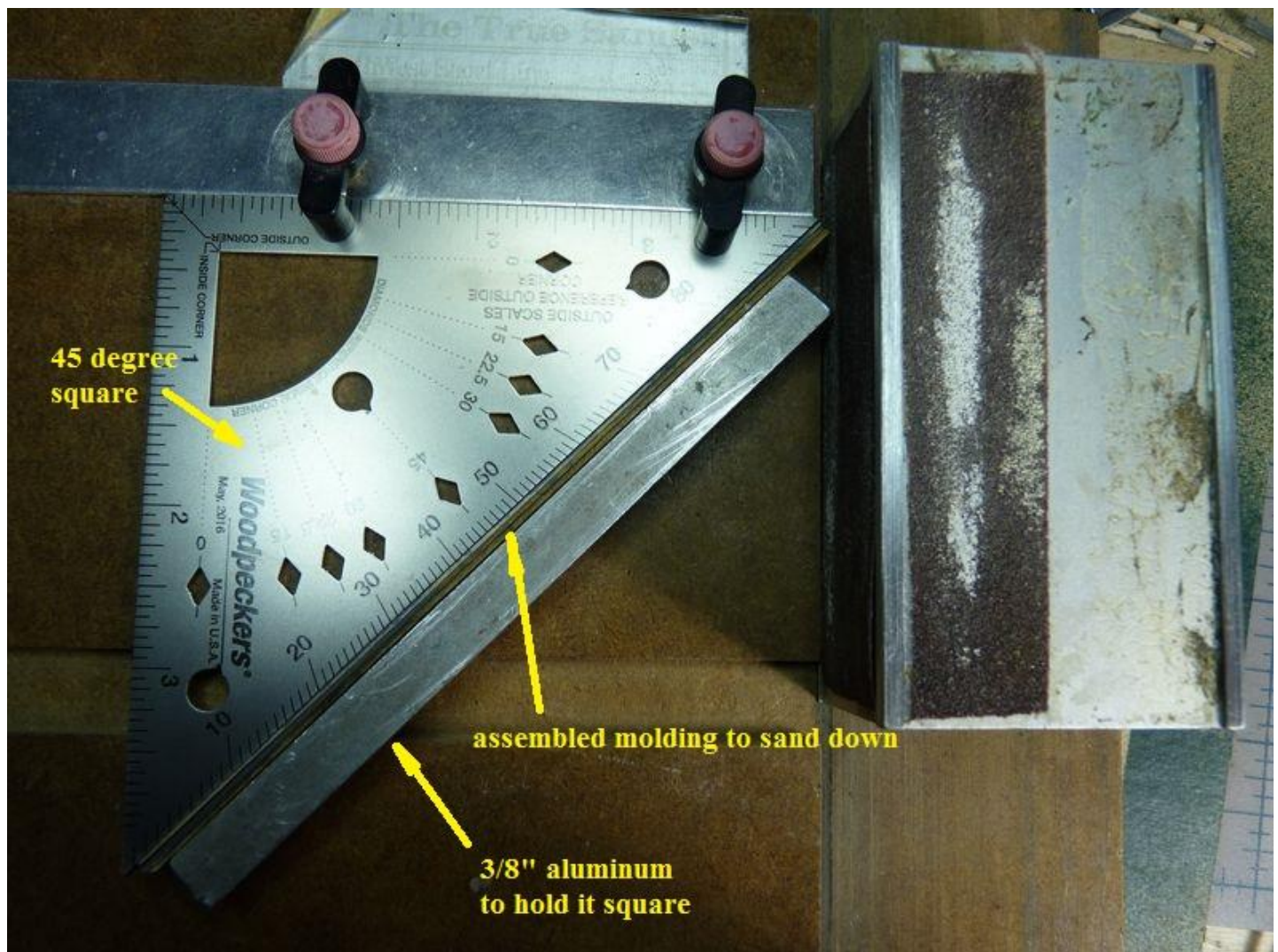
Tony's Tips and Techniques

By Tony Burgess

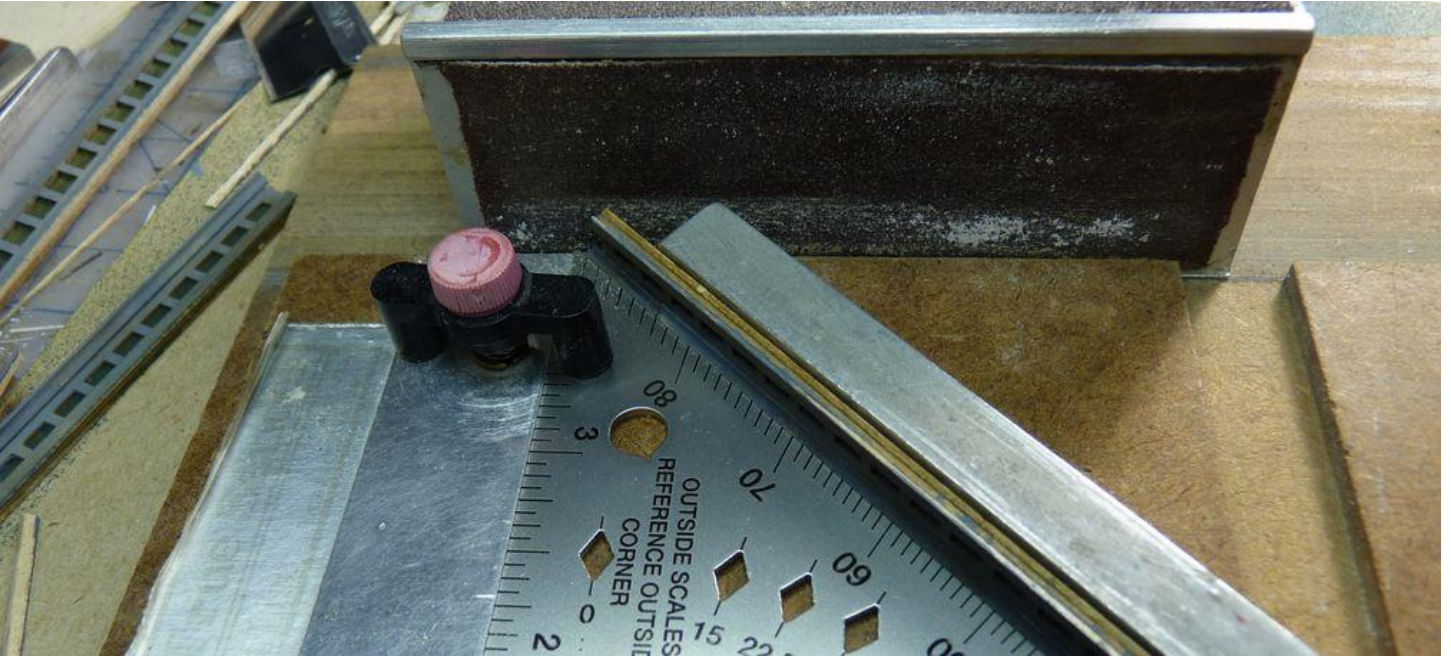
Adding trim to the roof line that has odd angles.

First off, I painted the separate parts, a green from Reaper paints for the background on the squares, and a blue/grey from a craft paint on the rest. They did go together pretty easily, once I figured the sequence, but one thing I didn't get from reading the instructions, was to make the cove molding and 2x6 stripwood longer. They said there was plenty of length for trimming the angles, so I assumed wrongly that there was no need to make the other two pieces longer. An 1/8" would be all that was needed.

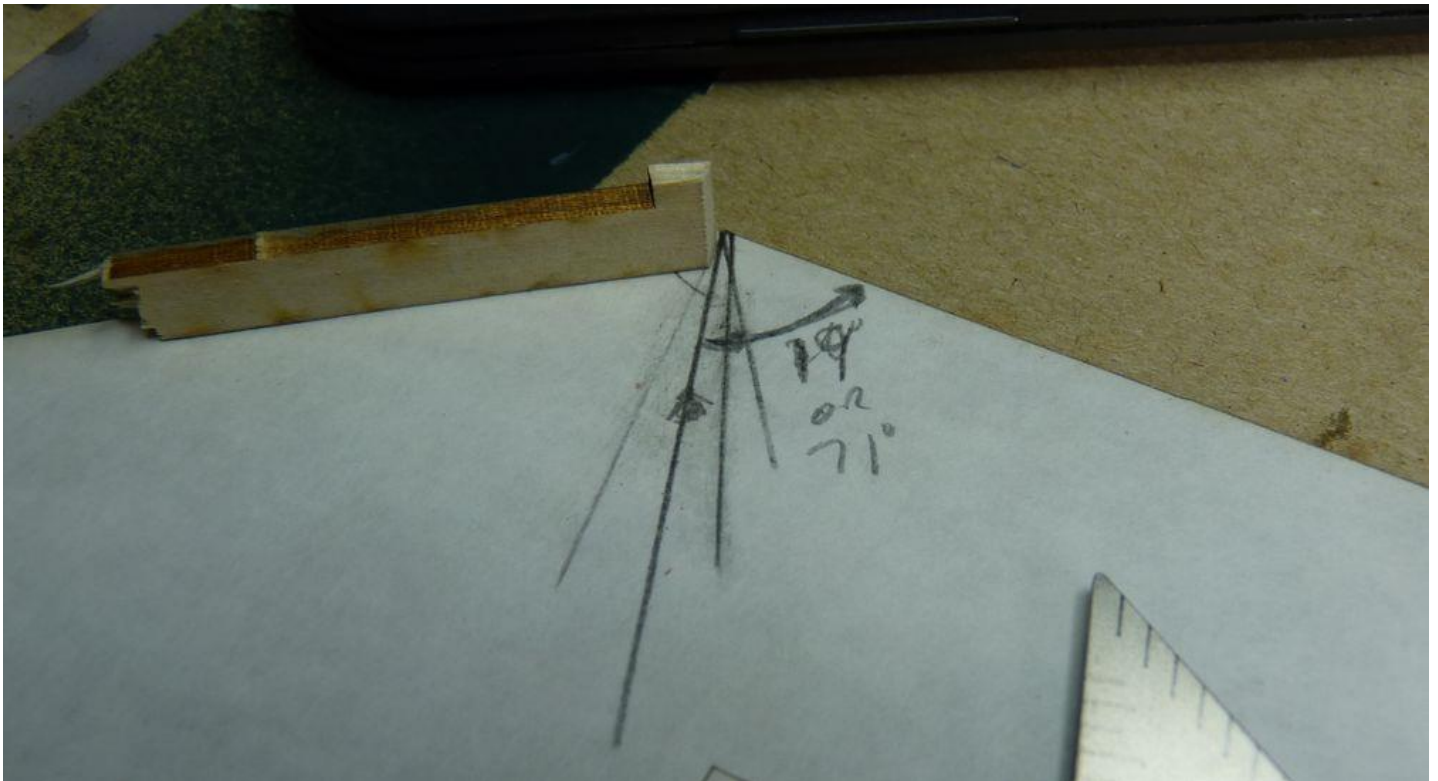
Anyway, I wanted to make some nice tight joints, so the 45 degree corners were easy, I set up my 'Woodpeckers' 45 degree angle gauge on my tru-sander to sand down the angles on 3 pieces.



Tony's Tips and Techniques



The next step I took was to work out the angles needed for the other non-45 degree angles. I used the roof as a template:



Tony's Tips and Techniques

The next angle I was doing was actually 71 degrees, or 19 degrees off the 90. I set my craftsman protractor to 19 degrees, and drew a line off one side of the roof 'template', moved the arm to the opposite side of the 90 to 19 degrees, and checked it off the other face, this ensured I had the right angle. As you can see, I made a mistake the first couple of times until I figured it out.

Then I set the protractor on my tru-sander and sanded the molding off the arm the same way.



To be safe, I made a test sanding on a piece of discarded plywood from the kit, then checked it to the roof template.



Tony's Tips and Techniques

This shot shows the same sanding technique:

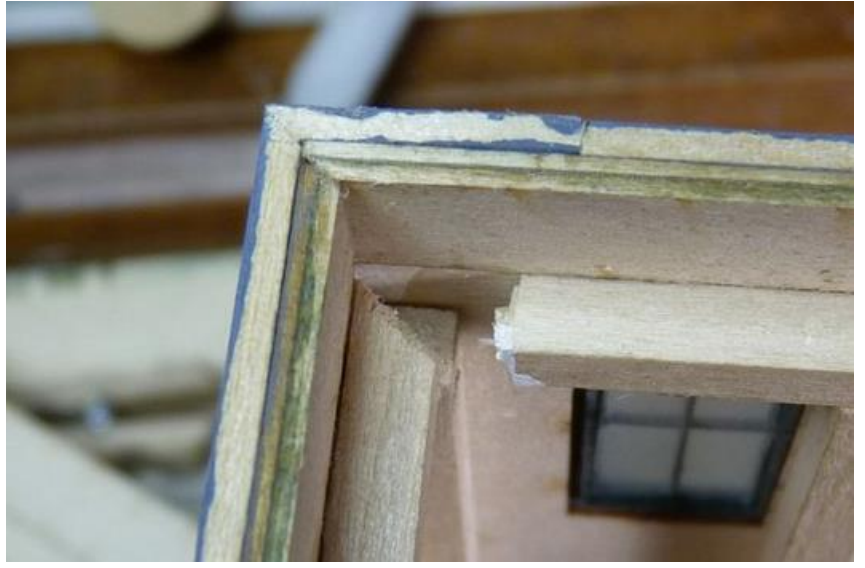


Here is a shot of me adding the first molding to the building, and checking for square on the back side:



Tony's Tips and Techniques

Doing the other corners the same way, I ended up with some nice tight corners.

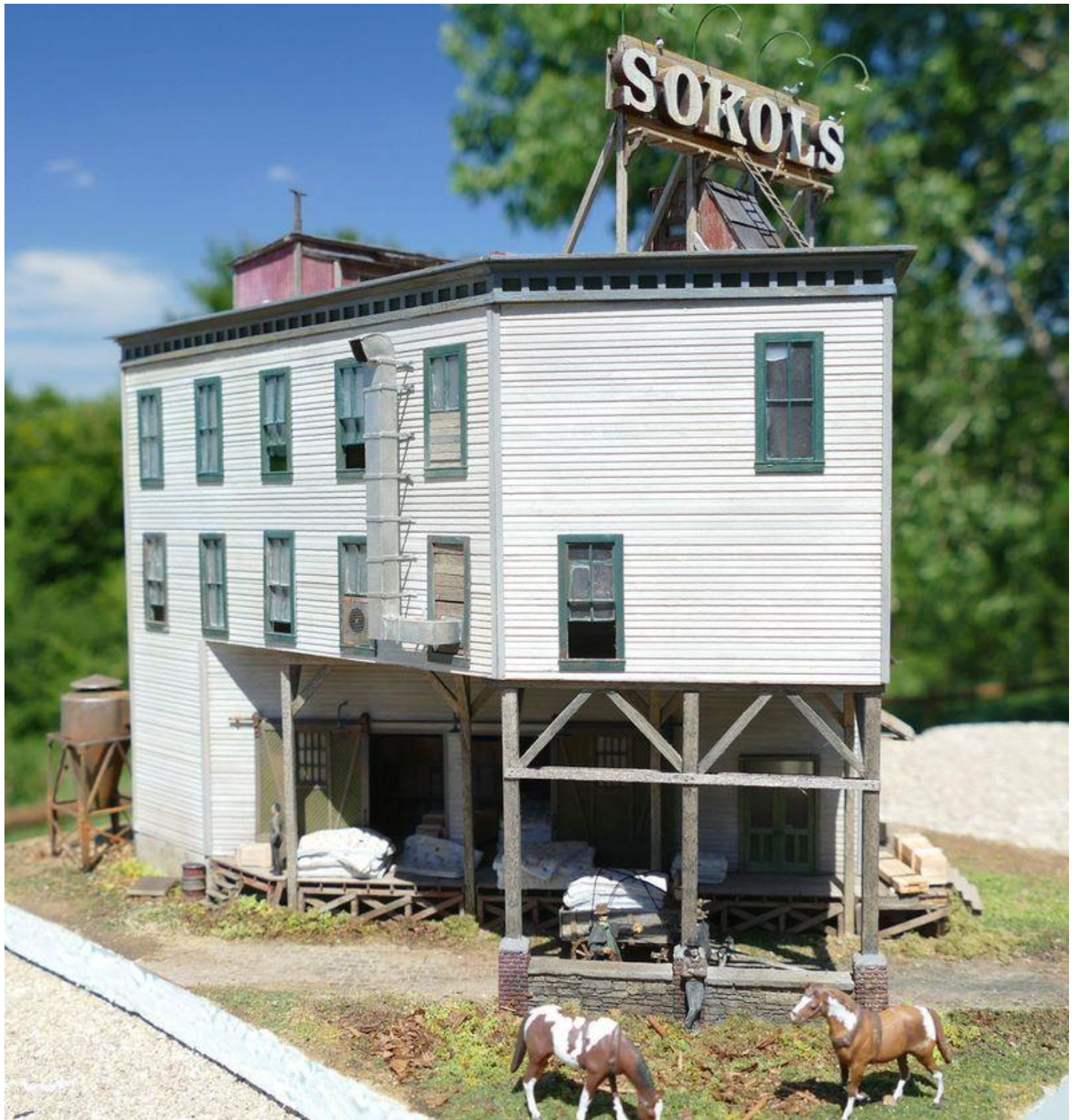


And the finished results, but I still have to clean up the outside corners a bit. A minor touch-up.



I hope this has been helpful to those attempting the same problems, with this kit, or any other build with odd angles.

Tony's Tips and Techniques



From the Archives...



Mike Condren ATSF E6 #14 "Oil Flyer" Tulsa, OK 7/1/62

G. L. PFUNDSTEIN,
AGENT,
CHANUTE, KANS.



for *Smooth Speed*
...travel via Santa Fe's gleaming,
DIESEL powered streamliner...

"The TULSAN"
between
TULSA Kansas City
Chicago



CHAIR CAR



DINING CAR



PARLOR-OBSERVATION CAR



★ SCHEDULE ★

Read Down	8:40 am lv. TULSA	ar. 10:10 pm	Read Up
	9:37 am lv. Bartlesville	ar. 9:12 pm	
	10:25 am lv. Indep'dence	ar. 8:24 pm	
	1:30 pm ar. Kans. City	lv. 5:20 pm	
	9:30 pm ar. Chicago	lv. 9:30 am	

For Complete Information
See Your Local SANTA FE AGENT

NO EXTRA FARE



A fleet of SP units attacking the grade on Steve "Hollywood" Whiteside's layout

Indian Nations Division
Dave Salamon
17924 E. 92nd Street North
Owasso, OK 74055

