

# RPM RAILROAD PROTOTYPE MODELERS

# CHICAGOLAND 26

26TH ANNUAL CHICAGOLAND RAILROAD PROTOTYPE  
MODELERS MEET • OCTOBER 24-26, 2019

## 2019 ATTENDEE PROGRAM



**p. 3**

OP SESSIONS & LAYOUT TOURS

**p. 7 - 11**

2019 RPM CLINIC DESCRIPTIONS

*Thank You!*

SPECIAL THANKS TO:

FRANK HODINA

TOM MADDEN

KEN SOROOS

**p. 12**

2019 RPM MINI-KIT  
INFORMATION & BUILD  
INSTRUCTIONS

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## 26th Annual RPM Conference

October 24-26, 2019

\*Draft Subject to Change

	WASHINGTON		KRUPA		GOODMAN		ARMSTRONG		ARCADIA		MORTON	
Thursday, October 24	TIME	Seminar Room		Seminar Room		Seminar Room		Seminar Room		Tiered Classroom		Roundtable
11:00 AM	<b>Kick Off Luncheon</b> (Ticket Required) <b>COLTRANE ROOM</b>											
11:30 AM	<i>The Milwaukee Road</i>											
12:00 PM	Philip Weibler											
12:30 PM												
1:00 PM	38	Decal Artwork Ted Culotta	15	Poultry Car Update Kristin Dummier	4	Realistic Track & ROW Kevin Kayser	32	Lake Michigan Ferries Charles Hostetler	34	Foreign Cars on CZ Bob Weber		Room Open
1:30 PM												
2:00 PM												
2:30 PM	37	1960s Passenger Spec. Jim Singer	2	Generic Granger Town Clark Propst	31	Train Comms 1940's Bob Hanmer	20	Open Loads Craig Wilson	22	FGEX Truss Rod Reefer George Toman		
3:00 PM												
3:30 PM												
4:00 PM	17	NYC Steel V: Cov. Hop. Roger Hinman	14	GA G85 Flat Cars Jim Panza	29	Demystifying Op. Rules Jerry Dziedzic	5	SP Clovis Branch Pierre Oliver	3	Corn Belt Route Ops Jason Klocke		
4:30 PM												
5:00 PM												
5:30 PM	<b>Banquet Dinner</b> (Ticket Required) <b>Main Hall and Arcadia</b>											
6:00 PM	<i>Double Feature: Illinois Terminal and Jim Boyd Tribute multimedia shows</i>											
6:30 PM	Mike Schafer and Craig Willett											
7:00 PM												
7:30 PM												
8:00 PM	16	LIRR Intermodal Bogies Paul Strubeck	1	Multi-Scale Layout Bill Pistello	11	L&N Open Top Cars Bill Welch	10	Machinists Tools Ryan Mendell		Banquet Cushion	24	HO to Proto:48 Jeremy Dummier
8:30 PM												
9:00 PM												

## Friday, October 25

9:00 AM	17	NYC Steel V: Cov. Hop. Roger Hinman	26	Three Monon Boxcars Mont Switzer	21	Steam Loco Fittings Frank Peacock	19	UP 65,000 Gal Tank Bob Van Arnem	36	Pass. Cars from Styrene Dick Scott	Room Open	
9:30 AM												
10:00 AM												
10:30 AM	28	RR Work Rules Jack Ozanich	2	Generic Granger Town Clark Propst	11	L&N Open Top Cars Bill Welch	25	Open Top Cars & Loads Jerry Hamsmith	34	Foreign Cars on CZ Bob Weber	TT&TO #1: Classroom Harold Krewer	
11:00 AM												
11:30 AM	Break for Lunch on your own											
12:00 PM												
12:30 PM												
1:00 PM	13	M&STL Reefer Cars Doug Harding	27	Interlocking Tower Alan Bell	12	UP Painting/Letter Dick Harley	35	Mail & Express, Part II Dave Lambert	3	Corn Belt Route Ops Jason Klocke	30	Ops Round Table Lowell Smith
1:30 PM												
2:00 PM												
2:30 PM	37	1960s Passenger Spec. Jim Singer	18	Monon Gon F&C Stephen Funaro	4	Realistic Track & ROW Kevin Kayser	20	Open Loads Craig Wilson	7	Resistance Soldering Bob Chapman	40	TT&TO #2: Layout Operat **Ballroom**
3:00 PM												
3:30 PM												
4:00 PM	6	Model'g Freight Traffic Tony Thompson	24	HO to Proto:48 Jeremy Dummier	29	Demystifying Op. Rules Jerry Dziedzic	9	Haz Mat'l Placards Rich Mahaney	22	FGEX Truss Rod Reefer George Toman	Room Open	
4:30 PM												
5:00 PM												
5:30 PM	Friends of the Freight Car Dinner (Ticket Required) Main Hall and Arcadia											
6:00 PM	Prototype and Protolanced Layouts Panel Discussion											
6:30 PM	Eric Hansmann, Moderator											
7:00 PM												
7:30 PM												
8:00 PM	23	Weathering Hunter Hughson	32	Lake Michigan Ferries Charles Hostetler	33	B&O Cumberland Div Henry Freeman	39	Hallocc Coll. Photos Tom Madden	Rooms open late for Impromptu Slide Shows			
8:30 PM												
9:00 PM												

## Saturday, October 26

9:00 AM	13	M&STL Reefer Cars Doug Harding	26	Three Monon Boxcars Mont Switzer	21	Steam Loco Fittings Frank Peacock	10	Machinists Tools Ryan Mendell	36	Pass. Cars from Styrene Dick Scott	
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10:00 AM											
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5:00 PM											
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6:00 PM											
6:30 PM											
7:00 PM											

## KEY:

Layouts	Tips and Techniques	Freight Car Research	Modeling	Extra Fare Meals
Passenger	Prototype RR Ops & Industries	Other	Layout Ops & TT&TO	Room Open

IMPORTANT: PLEASE CHECK THE POSTED SCHEDULE FOR THE CLINICS YOU WOULD LIKE TO ATTEND.  
PRESENTERS, CLINICS, TIMES, AND LOCATIONS ARE SUBJECT TO CHANGE.

## OP SESSIONS & OPEN HOUSES

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**OPEN HOUSE - FRIDAY:**  
**OCTOBER 25<sup>TH</sup> 6:00 - 10:00 PM**  
**OP SESSION - SATURDAY:**  
**OCTOBER 26<sup>TH</sup> 6:00 - 10:00 PM**

STEVE HAWORTH'S HO SCALE RIO  
 GRAND SOUTHERN, CIRCA 1958.

415 Cornell Ave,  
 Des Plaines, IL 60016

<http://rgsrr.blogspot.com/>

Please email Steve Haworth at  
[haworth7@gmail.com](mailto:haworth7@gmail.com) to sign up  
 for the OP Session.



**SUNDAY - OCTOBER 27<sup>TH</sup>**  
**OP SESSION - 9:00 AM - 1:00 PM**

TED SCHNEPF'S O SCALE MILWAUKEE  
 ROAD LAYOUT FEATURES NUMEROUS  
 OPPORTUNITIES FOR SWITCHING  
 ACTION AND LOTS OF OPERATION.

Please contact Ted Schnepf at the  
 show or via email:

[railsunl@sbcglobal.net](mailto:railsunl@sbcglobal.net) to sign up  
 for the OP Session.



**SATURDAY - OCTOBER 26<sup>TH</sup>**  
**OPEN HOUSE - 6:00 PM - 9:00 PM**

MIKE RITSCHDORFF'S N&W POKEY  
 DIVISION IS SET IN THE LATE 1950'S  
 WITH FULL FALL COLORS AND  
 COMPLETE SCENERY.

7761 W. Peterson Ave.  
 Chicago, IL 60631  
 773 763 1516

Other visits can be arranged during  
 the meet by emailing Mike at:

[nwpoca@hotmail.com](mailto:nwpoca@hotmail.com)

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*A Special  
 Thank You!*

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A very heartfelt thank you to Bill  
 Darnaby for opening his Maumee  
 Route layout on Wednesday eve-  
 ning for conference attendees.

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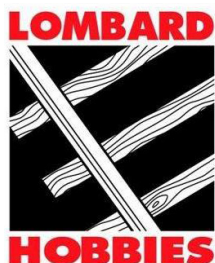
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## LOCAL HOBBY SHOPS

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PH: 630-620-1084



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WWW.DESPLAINESHOBBIES.COM

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DES PLAINES, IL 60018-1517  
PH: 847-297-2118

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DOWNERS GROVE, IL 60515  
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# RPM26

CHICAGOLAND

## RAILROAD PROTOTYPE MODELERS MEET

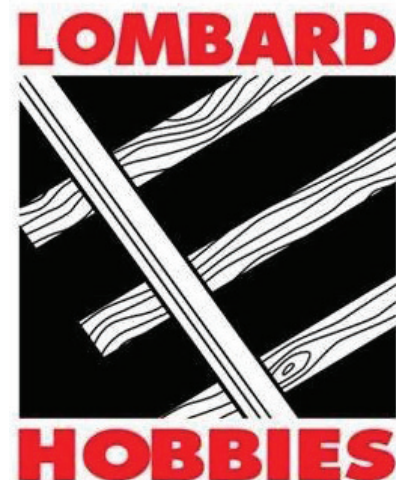
### AFTER PARTY

Saturday, October 26th  
5:00 - 8:00 P.M.

Complimentary  
Beverages & Snacks  
\$\$ Specials \$\$

**2 Local clubs will be hosting  
open houses for RPM attendees  
Saturday evening as well!**

Prairie Scale Modelers, Lombard [www.psmrr.org](http://www.psmrr.org)  
Elmhurst Model Railroad Club, Elmhurst [www.emrrc.org](http://www.emrrc.org)



Lombard Hobbies  
524 East St. Charles Place  
Lombard, IL 60148  
630-620.1084  
[www.lombardhobby.com](http://www.lombardhobby.com)

**Bring your RPM Name Badge for admittance!**

# CLINIC DESCRIPTIONS

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## LAYOUTS

- 1 - You want more trains? You bet! - A multi-scale, best of both worlds scheme.** *Bill Pistello*  
 Bill will discuss a multi-scale layout concept and the benefits of more than one scale to achieve modeling satisfaction. **KRUPA Room**
- 2 - Building a generic grainger town** *Clark Propst*  
 Clark returns this year to discuss the typical things found in a grainger town that should be modeled. **KRUPA Room**
- 3 - Operations on the Corn Belt Route - Jason Klocke's Chicago Great Western Layout** *Jason Klocke*  
 A discussion of how the Corn Belt Route operates and ideas from Jason's CGW layout. **ARCADIA Room**
- 4 - Realistic Track and Right of Way** *Kevin Kayser*  
 Kevin will be discussing details for modeling track and railroad right of way that prove that track is a model too. **GOODMAN Room**
- 5 - Where went the Wabash? Insight on changing gears to the SP Clovis Branch** *Pierre Oliver*  
 Pierre will share his thoughts on the abandonment of his Wabash layout and his choice to switch to modeling the Southern Pacific Clovis Branch. **ARMSTRONG Room**
- 6 - Modeling Freight Traffic on your Layout** *Tony Thompson*  
 Freight traffic is the heart of an operational layout. Tony will be discussing freight traffic modeling with examples from his own layout. **WASHINGTON Room**

## TIPS & TECHNIQUES

- 7 - Upgrade Vintage Brass Steam with Resistance Soldering** *Bob Chapman*  
 Do you have brass locomotives or rolling stock that could use detail addition, clunky detail replacement, or addition of road-specific details? With lots of photos, Bob will open the door to resistance soldering – how to get started, and resistance soldering basics. Along the way, we'll cover common steam locomotive superdetailing opportunities. **ARCADIA Room**
- 8 - Outdoor Model Photography** *Keith Kohlmann*  
 Photography can be a great tool to enhance your modeling. Learn the simple step-by-step method of making models look outstanding in natural light. Or just come to enjoy the pretty pictures. Prototype modeling will never look the same. **ARCADIA Room**
- 9 - Hazardous Materials Placards for Model Railroaders** *Rich Mahaney*  
 The handling of hazardous materials provides interesting opportunities for modeling. Rich will be discussing the things modelers should know about the way cars are marked for use on their layouts. **ARMSTRONG Room**
- 10 - Machinists Tools for Modeling: Part 1 Hand Tools** *Ryan Mendell*  
 Ryan will introduce various machinists hand tools he uses to make modeling easier and more precise. Techniques to use each tool will be presented, with a focus on how these methods can be applied to kit-bashing, scratch building and pattern making. **ARMSTRONG Room**

IMPORTANT: PLEASE CHECK THE POSTED SCHEDULE FOR THE CLINICS YOU WOULD LIKE TO ATTEND.  
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# CLINIC DESCRIPTIONS

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## FREIGHT CAR RESEARCH

### 11 - L&N House Cars and Open Top Cars of 1930-1955

*Bill Welch*

Associated with hauling coal, the Louisville & Nashville had a very large and diverse fleet of two-bay 50-ton hoppers for that task. But the railroad also served steel industries in Chattanooga and the greater Birmingham area requiring gondolas and flat cars. This presentation will cover the fifteen different groups of open top cars operated by the L&N to serve the various mining and industrial areas in its territory.

**GOODMAN Room**

### 12 - UP Freight Car Painting and Lettering- 1920-1980: Get UP Models Right for Your Modeling Era

*Dick Harley*

The variety of Union Pacific painting and lettering schemes that span the 60 years covered by this presentation can be difficult for modelers to navigate. Dick will share information to help make sure the models on your layout are appropriate to the years you are modeling.

**GOODMAN Room**

### 13 - M&StL Refrigerator Cars

*Doug Harding*

Doug will share information about modeling M&StL refrigerator cars that will help with modeling specific prototypes for your fleet.

**WASHINGTON Room**

### 14 - The General American G85 Flatcar: TOFC and Autorack Equipped, plus roots in Clejan design

*Jim Panza*

Jim will be discussing the history, design, and modeling of this interesting prototype flatcar.

**KRUPA Room**

### 15 - Poultry In Motion

*Kristin Dummmler*

An update to last years popular "Which Shipped First, the Chicken or the Egg" presentation, Kristin will revisit the history of shipping live poultry by rail with updated photos and new information.

**KRUPA Room**

### 16 - LIRR Intermodal Bogies

*Paul Strubeck*

A history of and modeling advice for Long Island Railroad Intermodal Bogies. These unique TOFC cars from the 1980's present an interesting prototype for modeling.

**GOODMAN Room**

### 17 - NYC Steel Freight Cars Part V: Covered Hoppers

*Roger Hinman*

Continuing his series of presentations on New York Central steel freight cars, Roger will present an overview of covered hoppers from the earliest cars onward in the NYC fleet.

**WASHINGTON Room**

### 18 - Monon Gondola: Prototype history and building the F&C kit

*Stephen Funaro*

Stephen will present an overview of the Monon gondola that is the basis for the F&C car kit, as well as tips and techniques for building your own version of this car.

**\*\* Please note: This clinic is only being offered once.**

**KRUPA Room**



# CLINIC DESCRIPTIONS

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## MODELING

### 19 - Modeling a UPRR 65000 Gallon Steel Low Tower Water Tank

*Bob Van Arnem*

Steps and materials used to build an HO scale model based on prototype plans and photo graphs. A handout of scale CAD drawings/templates and of references for modeling is included.

**ARMSTRONG Room**

### 20 - Open Loads

*Craig Wilson*

Always eye catching on any train, open loads are a favorite of modelers for the interesting items they present. Craig will provide a clinic on how to model several open loads on your layout.

**ARMSTRONG Room**

### 21 - Steam Locomotive Appurtenances Part 2: Trailing trucks, booster trucks, valve gear, and more.

*Frank Peacock*

Continuing from 2018's presentation, Frank will help you identify more parts of a steam locomotive and make better, more informed, modeling choices for your locomotive projects.

**GOODMAN Room**

### 22 - 2018 Mini-Kit Build: FGEX Truss Rod Reefer

*George Toman*

The RPM Chicagoland 25 mini-kit representing a FGEX truss rod reefer was built by George and he will present the build with tips and ideas he found while constructing this model.

**ARCADIA Room**

### 23 - Hunter Hughson Weathers Models: A look at many weathering pigments and techniques

*Gerry Schaefer*

Using weathering pigments is something accessible to most modelers as a way to finish a model build. Tips and techniques for working with these products will be discussed.

**WASHINGTON/GOODMAN Rooms**

### 24 - Going BIG: Changing from HO to Proto48

*Jeremy Dummier*

Considering changing scale? Jeremy found himself in a position where changing scale was easier than continuing in HO. He will discuss his "ah ha" moment, his process for determining what to model in Proto:48, and some of the things he discovered as he made the leap to model in a larger scale.

**KRUPA/ARCADIA Rooms**

### 25 - Open Top Cars and their Loads

*Jerry Hamsmith & Ed Rethwisch*

Matching open loads to cars and achieving prototype appearances with those loads is something every modeler wants. Jerry will discuss the cars and their loads along with how to model these appealing loads for your railroad.

**ARMSTRONG Room**

### 26 - Modeling Three Monon Boxcars post 1955

*Mont Switzer*

Railroad specific details are important to many modelers. Mont Switzer will present modeling information for three boxcars from the Monon in the post-1955 era.

**KRUPA Room**

# CLINIC DESCRIPTIONS

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## TIME TABLE & TRAIN ORDER

### 27 - The Workings of an Interlocking Tower (and modeling full-size on Burgett's C&O)

*Alan Bell*

How does an interlocking tower work? Demystifying the operations of these important and common features of railroading and how to model their workings will be discussed.

**KRUPA Room**

### 28 - Railroad Work Rules

*Jack Ozanich*

Staying safe on the rails is the responsibility of all who work on a railroad. The rules for how things are done will be presented by Jack as he discusses rules for working on the railroad.

**\*\* Please note: This clinic is only being offered once.**

**WASHINGTON Room**

### 29 - Demystifying Operating Rules (TT&TO, TWC and DTC rules)

*Jerry Dziedzic*

Understanding different types of train control is important for an operating layout. Jerry will help you understand the difference between Time Table & Train Order, Track Warrant Control, and Direct Traffic Control rules for your layout and layouts you might visit.

**GOODMAN Room**

### 30 - TT&TO Operations Round Table

*Lowell Smith*

Lowell will host a discussion of Time Table & Train Order operations with an aim at making this kind of train control accessible to all.

**MORTON Room**

## RAILROAD PROTOTYPE OPERATIONS

### 31 - Train Communications in the 1940's (including ITC/VHF/PRR Trainphone/Modeling on DM&IR)

*Bob Hanmer*

Railroad communication methods in the 1940's will be discussed at this presentation. A variety of forms adopted by different railroads will be covered, and modeling the communications as adopted by the DM&IR will be presented.

**GOODMAN Room**

### 32- Great Lakes Rail Marine Interface Part 1: Lake Michigan Car Ferries

*Charles Hostetler*

Moving freight across the Great Lakes forms an important connection for railroads that reduces time in transit for many loads, and cuts down on interchange of cars. Charles will present part 1 of what he intends to be a series on Great Lakes Rail Marine by discussing Lake Michigan Car Ferries.

**KRUPA Room**

### 33 - B&O Cumberland Division in the 1950's

*Henry Freeman*

Operations on the Baltimore & Ohio Cumberland Division in the 1950's is the focus of Henry Freeman's presentation. He will discuss the line as it existed with connections for the B&O toward Washington DC and the other railroads of the era.

**GOODMAN Room**

# CLINIC DESCRIPTIONS

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## PASSENGER

### 34 - Foreign Road Cars on the California Zephyr

**Bob Webber**

The famous California Zephyr did not always include only equipment of the CB&Q. Bob will discuss equipment from other railroads that found it's way into the records as having been on this famous train..

**ARCADIA Room**

### 35 - Mail and Express Trains, Part II: Trains West of Chicago and St. Louis

**Dave Lambert**

Picking up from his previous clinic, Dave will discuss mail and express trains and their equipment West of Chicago and St. Louis. Part 1 of this series was presented at this event in 2018.

**ARMSTRONG Room**

### 36 - Building Passenger Cars from Styrene Sheets and Strips: Featuring a wooden car, a riveted steel car, and a lightweight.

**Dick Scott**

Three kinds of passenger car scratch building projects will be presented. The tips and ideas will make building your own cars something you can do.

**ARCADIA Room**

### 37 - Early 1960's Midwestern Passenger Specials

**Jim Slinger**

Passenger specials were a common occurrence on many railroads. Jim will discuss several documented special trains from the 1960's.

**WASHINGTON Room**

## OTHER

### 38 - Creating Artwork for Decals

**Ted Culotta**

This discussion focuses on the tools used to create artwork to be printed for decals to letter models, both rolling stock as well as other subjects including structures, signs, etc. Points to be discussed include reference material, software, and techniques.

**WASHINGTON/ARCADIA Rooms**

### 39 - Non-Colorado photos from Colorado Railroad Museum's Ralph Hallock Collection

**Tom Madden**

Many railroad museums hold a treasure trove of railroad photos. Tom will showcase photos found in the Ralph Hallock Collection from the Colorado Railroad Museum that do not depict Colorado, but are none the less fantastic examples of railroad photography.

**ARMSTRONG/WASHINGTON Rooms**

## SPECIAL HANDS ON CLINIC

### 40 - TT&TO Training Session and Live Operating Session

**Harold J. Krewer**

*This special hands on clinic requires additional sign up as space is limited.*

Harold returns with his popular TT&TO Training clinic, where classroom time is put to use in a TT&TO OP session held in the Ballroom on Friday evening.

The clinic will introduce TT&TO and explain how it differs from TWC, CTC, and other forms of movement authority. It will focus on the concepts of authority, protection, and other components. Harold will also cover the most common orders encountered: "Hard" meets, right-over, run lates, and more. Finally, proper procedures for dictating, copying and reading back orders will be discussed.

**MORTON/BALLROOM**



## 2019 CHICAGOLAND RPM MINI-KIT

### ILLINOIS CENTRAL SINGLE SHEATHED BOXCAR

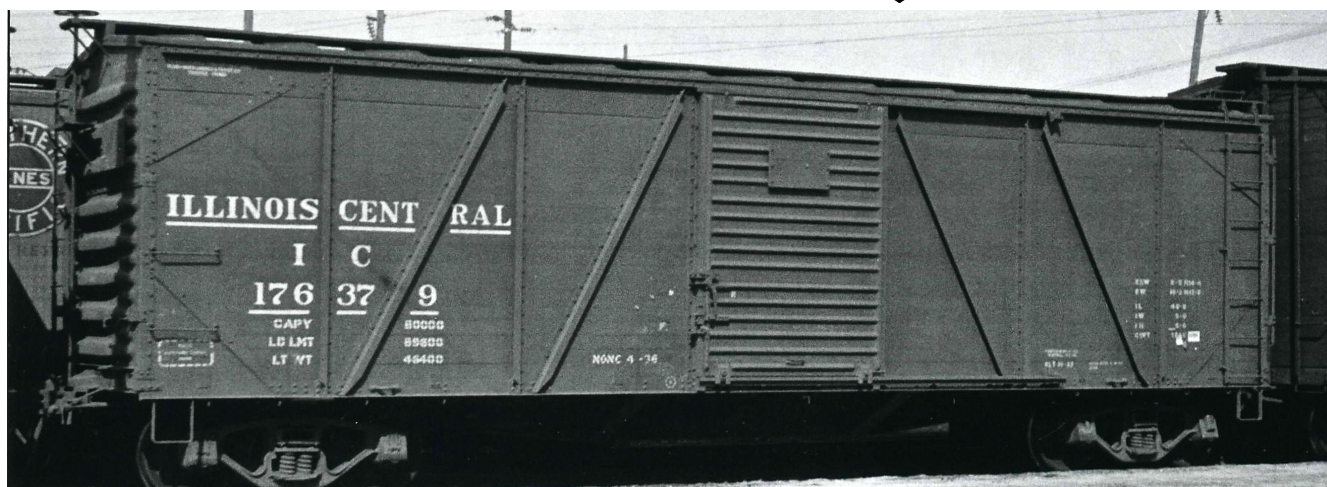
SERIES 16000-16975

This year's RPM Chicagoland Mini-Kit is an Illinois Central single sheathed boxcar. The prototype cars were built in a total of 1000 cars split evenly between Pullman Manufacturing and Mt. Vernon in 1927. The cars had unusual 3 over 5 Dreadnaught ends which are reproduced in the resin parts for the Mini-Kit. The cars were built with an outward facing angle sill that allowed the sills to be shallower than most contemporary cars.

In addition to the dreadnaught ends, these cars were built with Hutchins roofs, and a beard take-up reel at the base of the vertical brake staff. Originally numbered in the 176000-176999 series, the cars were later renumbered in the 1940's into the 16000-16975 series. Of the original 1000 cars, 961 of them were still in service in 1948, 920 of them in 1956, and 265 were still on the roster in 1965.



Photos courtesy of Ray Breyer's photo collection



### MINI-KIT BUILD SUPPLIES

IN ORDER TO COMPLETE THIS YEAR'S MINI KIT BUILT, MODELERS WILL NEED THE FOLLOWING ITEMS:

#### RPM Chicagoland 2019 Mini-Kit resin parts RPM Chicagoland 2019 decals

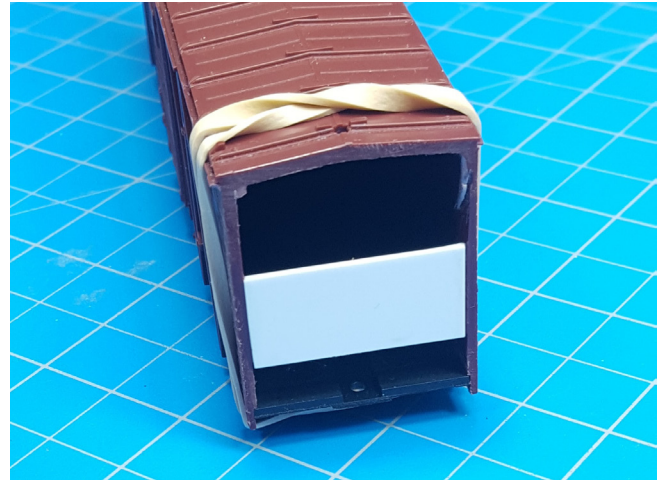
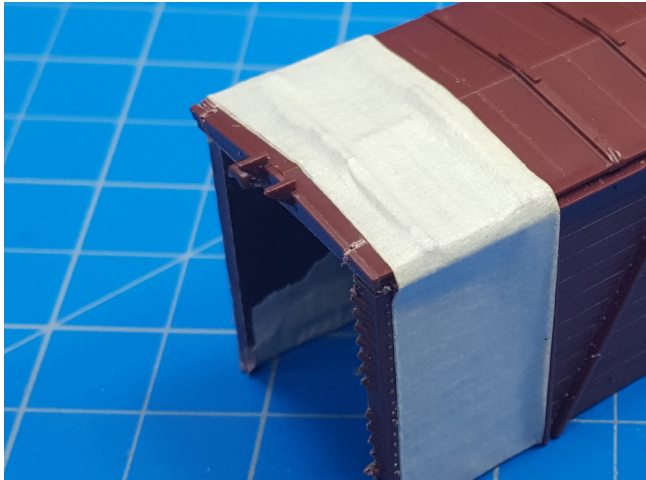
#### ADDITIONAL COMPONENTS REQUIRED:

- Accurail 7100 series undecorated single sheathed boxcar
- Plano Model Products #12121 Boxcar Ladder Set
- Tahoe Model Works 40-ton ARA Trucks TMW-114 or TMW-214
- 0.040" sheet styrene
- 1x6 HO scale styrene (for side flange)
- 0.020x0.030" styrene
- 18" grab irons of modelers choice
- Additional brake details per modelers preference
- Carmer cut levers of modelers choice if desired.
- Kadee #158 couplers

DRAWINGS FOR THIS CAR CAN BE FOUND IN THE BOOK, ILLINOIS CENTRAL RAILROAD FREIGHT CAR DIAGRAMS, MARCH 1954 EDITION.







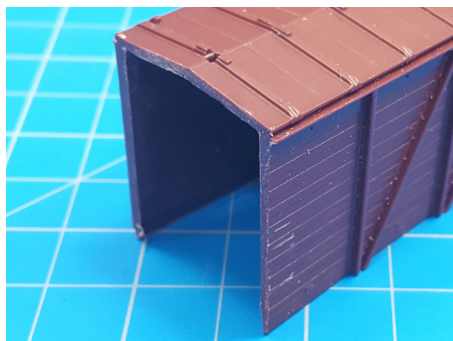
## HO SCALE ASSEMBLY NOTES

### STEP ONE: REMOVE THE ENDS

Use masking tape to protect the Accurail shell while removing the ends. The tape also provides a guide for how much of the shell to remove.

**TIP:** IT IS EASIEST TO REMOVE MOST OF THE END BY CUTTING INSIDE THE SIDES AND THEN REMOVING THE ENDS AS SHOWN IN THE PHOTO.

Once the ends are off, make sure everything is square before removing the tape.



### STEP TWO: INSERT END SUPPORT & GLUE ENDS

A piece of 0.040" styrene is inserted into the new end opening to provide support for the sides and the replacement end casting.

**TIP:** USE A RUBBERBAND AROUND THE BOXCAR BODY TO KEEP THE SIDES STRAIGHT AND HOLD THE STYRENE IN PLACE WHILE GLUING.

Attach the new ends by aligning the top of the end casting with the top of the roof. When the alignment is good, CA is used to attach the casting from the back.

Thick CA should be used to fill the seam between the roof and end.

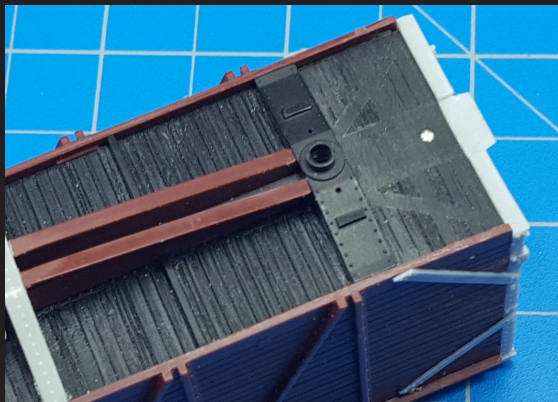
When dry, sand the seam smooth, then remove the cast on ladders and grabs.

### STEP THREE: FIT THE FLOOR AND ADD COUPLER POCKETS

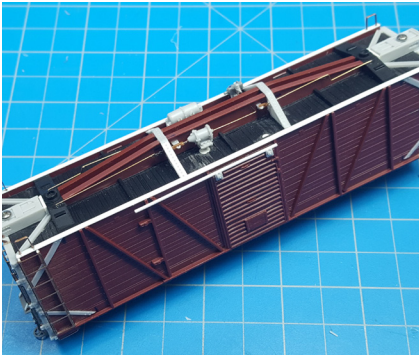
The coupler pad and end diagonal braces on the under frame need to be removed down to the floor on each end of the car.

**TIP:** MAKE SURE THE FLOOR FITS BETWEEN THE ENDS.

Mount the floor so it is flush with the coupler pad on the car ends. The resin coupler pockets are attached to a piece of 0.015" styrene that is added to the back end of the box to match up with the center sill. Those can then be glued to the floor of the car with plastic cement.







#### STEP FOUR: UNDERFRAME & DETAILS

The kit includes replacement parts for the cross beams on the under frame to match the prototype. Those are attached to the Accurail underframe in the locations shown in the photos. From here, the car is detailed like any other model. The bottom of the side gets a piece of 1x6 styrene to for the side flange. The lower door track is 0.020" x 0.030" styrene. The trucks are Tahoe Model Works #114. The ladders on the sample model are Plano Model Products #12121 ladders.

Grabs were added as appropriate to the photos along with either K or AB brakes depending on the time period modeled.

The cars would also have had Carmer cut levers (not shown).



TIP: AFTER ASSEMBLY OF THE CAR, USE A MODEL PRIMER BEFORE YOUR FINAL PAINT COLOR.

TIP: WHEN ADDING THE LADDERS TO THE CAR ENDS, MAKE SURE THE RUNGS ARE ALIGNED FROM END TO SIDE LADDER FOR PROPER APPEARANCE.





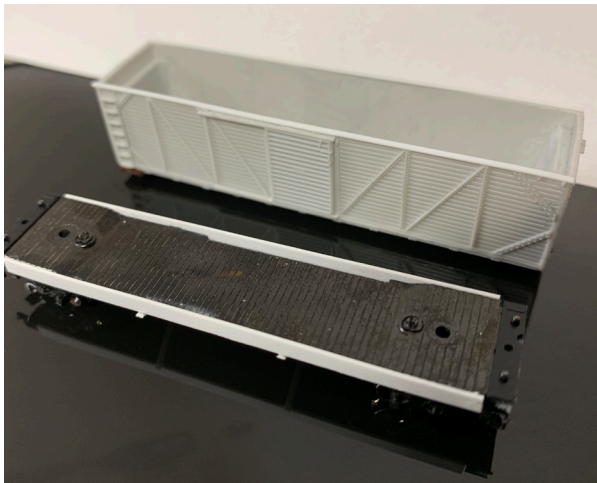
## N SCALE ASSEMBLY NOTES

THIS YEAR'S MINI-KIT WAS ALSO DEVELOPED IN N SCALE AS A FULL RESIN CAR BODY. MOST OF THE APPLIED DETAILS CAN MATCH THE HO INSTRUCTIONS WITH THE FOLLOWING NOTES:

### Underframe

A Micro-Trains Line fishbelly underframe is provided. It will need to be widened as shown with two strips of .020x.100 styrene super glued to each side. Make sure to file the sides of the underframe flat as they have nubs.

Using the HO model photos as reference, add two full height crossmembers on the bottom. Styrene strips of .020x.125 can be superglued just outboard of the middle cast crossmembers. Then trim them to shape once secure, leaving triangles attached. Cap the triangles with .010x.040 styrene. Add any other brake rigging you would like at this time.

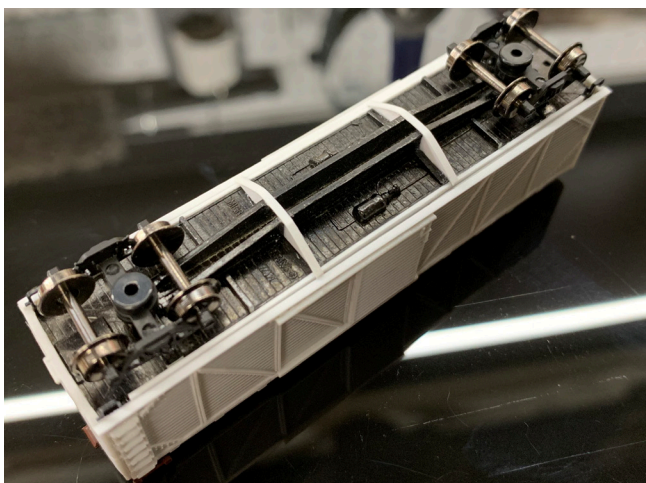


For trucks, lowered bolster trucks such as FVM will get the ride height close to correct.

For couplers, an underslung MTL coupler is suggested which would allow the full end sill detail of the cast body shell to be retained. Or, simply notch the end for a standard 1015 style box.

### Body Shell

The roof of the model was a Des Plaines Hobbies flat roof, on which a standard Intermountain wood running board will snap in the holes. Make sure the thin layer of resin is trimmed from the holes.



As shown on the HO model, a strip of styrene along the lower sill will add the exposed sill. Styrene strip of .010x.040 is appropriate and is shown in the photos here. CA works well for styrene to resin joints.

The rest of the grab irons and end details can be added with your favorite wire, and then the car is ready for paint and decals.



# RPM26

CHICAGOLAND  
RAILROAD PROTOTYPE MODELERS MEET



## HOTEL MAP

