The Mill is a publication of the Steel Mill Modeling and Steel Mill Pictorial groups





Dean Freytag Part 3: Buildings II

Reason of these Special Issues

I am one of many modelers who did not have a chance to meet Dean before his passing but are highly influenced by his modeling of the steel industry. Many newcomers to the hobby that model steel mills don't recognize the name, Dean Freytag. In this and following issues I hope to introduce these modelers to Dean's layout and show modelers with a little imagination an empire can be built. Dean's layout was not built overnight and it did see many changes over the years as Dean's added to and took away from his steel empire.

This is the first of 3 special issues of The Mill Newsletter featuring the late Dean Freytag's South Ridge and Davis Steel layout. In this issue we will take a look at the over layout. Issue two will consist of the structures Dean built and issue three will be of his vehicles and rolling stock. There may be a possible forth issue of random pictures that members didn't submitted in time to be published in these issues.

In this issues, you will find photos taken by modelers that visited Dean's layout during various times of the building of it. The photos will be categorized by people that submitted them and all are used with permission by the person who submitted the photos.

Dean was known to many as the father of steel mill modeling.

Sadly Dean passed away December 25, 2010.

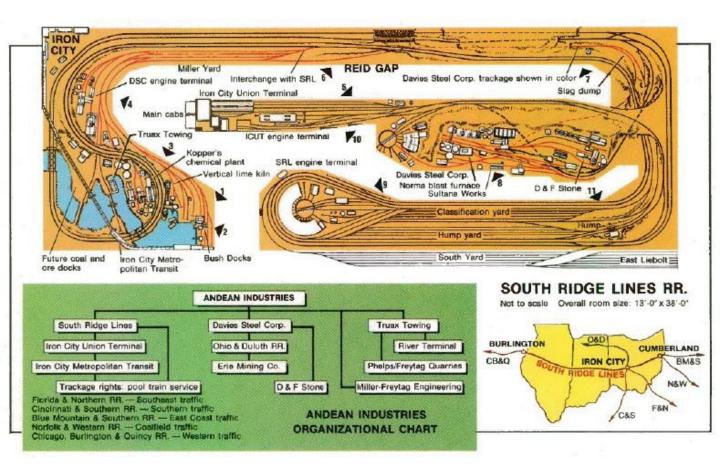
Special Thanks

Special thanks goes out to the following people who contributed pictures to make this special issues possible

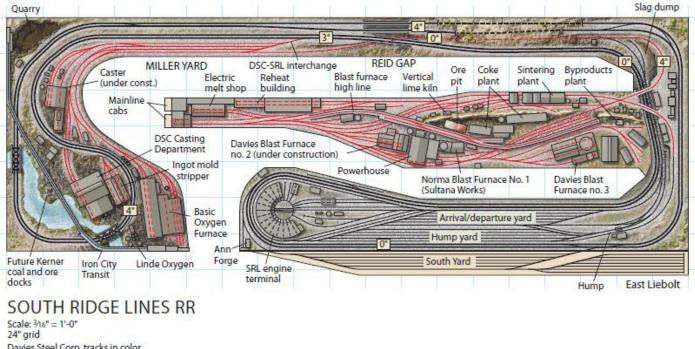
Brain Shaw Dale Desser David Lemke Hein Hopmans John Miller John Teichmoeller Tom Stewart Ken Stroebel

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Layout drawings show the changes that Dean made to the South Ridge Lines between November 1998 and November 2008.

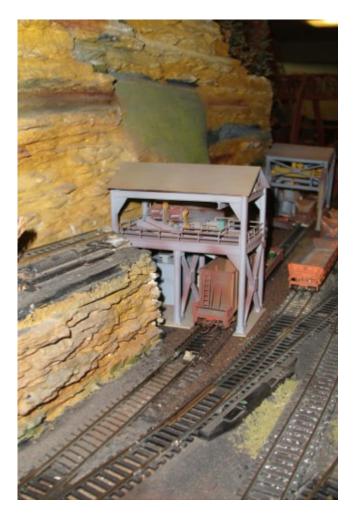


Davies Steel Corp. tracks in color © 2003 Kalmbach Publishing Co., Model Railroader

Layout drawings used with permission from Kalmbach Publishing.

Chapter 12: Pig Mill

Photos are from Brain Shaw's collection





Photos are from Tom Stewart's collection







Photos are from Hein Hopman's collection

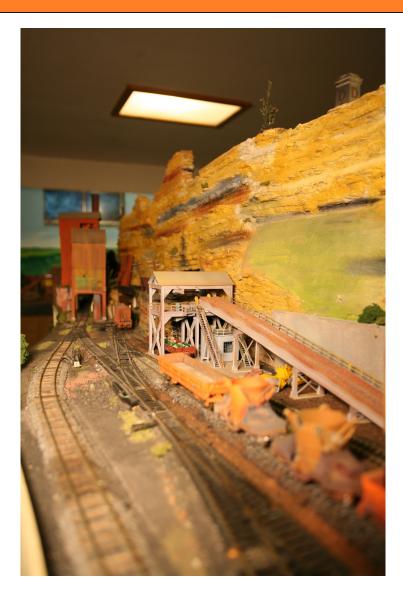


Photo are from Dale Desser's collection



Photos are from David Lemke's collection





Chapter 3: Slag Plant

Photos are from Brain Shaw's collection



Photo are from Tom Stewart's collection







Photo are from Dale Desser's collection

Photo are from David Lemke's collection





Chapter 13: Miscellaneous Buildings

Photos are from Brain Shaw's collection



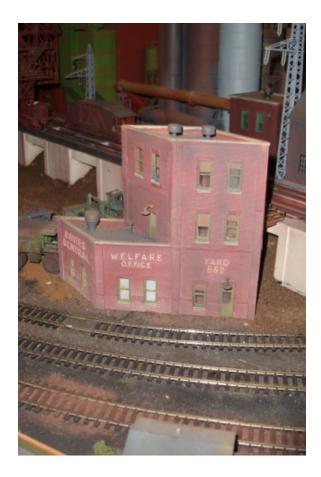




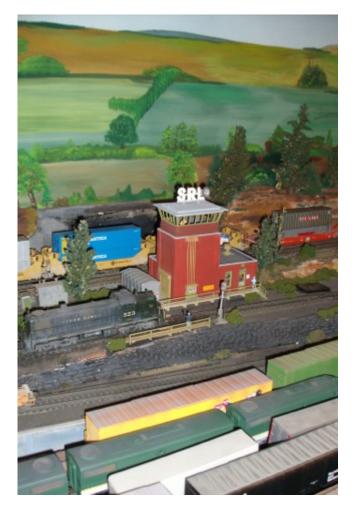










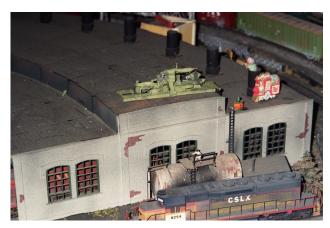












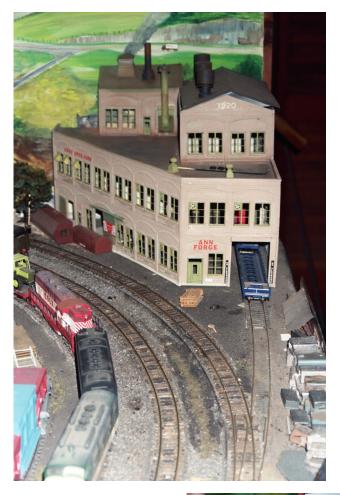




















Photos are from John Miller's collection



Photos are from Kem Stroebel's collection









Photo are from Dale Desser's collection



















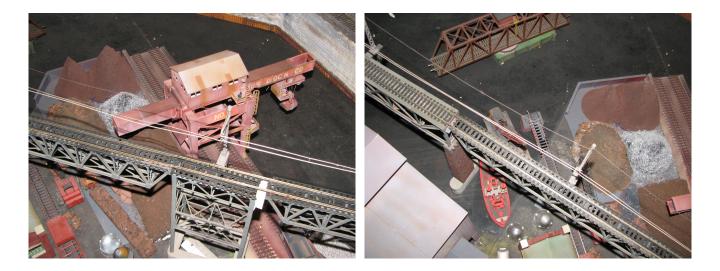




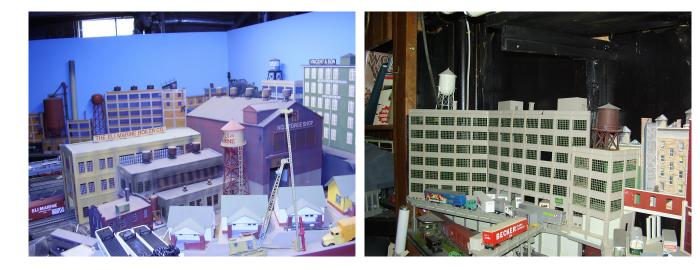












Photos are from David Lemke's collection





















Articles

Model Railroader

Building Freytag's Foundry Part 1 Part 1: Constructing the main foundry structures April 2009

Building Freytag's Foundry Part 2 Part 2: Modeling the HO scale plant's crane way May 2009

Heavy Industry In HO (By; Jim Hediger) Dean Freytag's steel mill model is the centerpiece of a layout Nov. 2003

The Davis Steel Coke Plant Part 4 Oct 1991

The Davis steel Coke Plant Part 3 Aug. 1991

The Davis Steel coke Plant part 2 June 1991

The Davis Steel Coke Plant part 1 April 1991

The Paper Punch – Filling in the blanks by A. Kitt Basher May 1989

A Big Bridge for your double track main from Lionel Feb 1986

A Vertical Lime Kiln - - Heavy Industry Nov. 1980

Dean Freytag's 13x38 South Ridge Lines - - Heavy Industry November 1980

Preparing sorghum trees Aug 1972

NMRA Bulletin

A Steel Gondola Rack June 2008

The Kit basher Dean "The Dean of Styrene" Freytag introduces his new column on modeling tips Aug. 1995

You Won't win if you Don't enter June 1988

Distinctive Rolling Stock Nov. 1980

Ode To "Thumbs" Nov. 1976

Humpspert April 1975

S Gaugian

Model Railroading

Modeling six Different Mill Cars From ST&D Universal Mill Cars October 2002

A Few Freelanced Flats: Simple Projects to add Variety June 1994

A Kit bashed ATSF FE-35 Jan. 1993

Santa Fe 60' Express Box car Oct. 1992

Town Border Station July 1992

A Kit bashed Conrail Scale test car Sept 1991

N&W F3a Flat car for Grinding Lap Loading July 1991

Kit Bashing a B&O Canstock Car April1991

Milwaukee Road Stock Car – My First Kit bash Jan 1991

Distinctive Bulkhead Flat cars Aug. 1990

Cover Hopper Conversion June 1990

Covered Hopper Conversion' May 1990

Covered Hopper Conversion April 1990

B&O Coal Min Tipple From Pike Stuff and Central Valley Parts April 1989

Railmodel Journal

Power house Kit-Conversion, From Walthers' Kits September 1995

Scratch build a Steel Mill From Pike stuff Parts Aug 1994

Kit bash a Triple Hopper to N&W June 1990

MainLine Modeler

Dean Freytag – A modeler you should know Sep 1989

Make A Scale-Appearing Track

Railroad Model Craftsman

Dean's Machines A Light Look at Heavy Equipment December 2003

A Steel Mill Heavy Hauler – Kit bash a Specialized Vehicle February 1996

Modeling a Bottle car to carry molten steel Nov. 1994

Kit Bashing Rogue River Mills May 1994

The Siamese Connection – Fire hydrants on outside walls Jan 1994

Big Vent for your the roof od your structure Jan 1993

When there's no switcher - use a winch July 1992

Ingot mold and buggies – a steel mill basic Jan. 1992

A Pittsburgh-style bridge - strengthening the Atlas Bridges Sept. 1990

Introducing the Cardinal System – $4 \mbox{rr}\mbox{'s}$ coordinate traffic April 1989

New details and hoods for HO coil cars Oct. 1988

Western Maryland TOFC Trailer and Vans August 1987

Bottle Gas Warehouse – 2-d has 3-D Effect March 1985

Combine to Gas-electric May 1973

Videos

Allen Keller Volume 3 Features Dean Freytag's & C.J. Riley's Layouts

Green Frog Productions Styrene The Ideas, Tips & Techniques of Dean Freytag

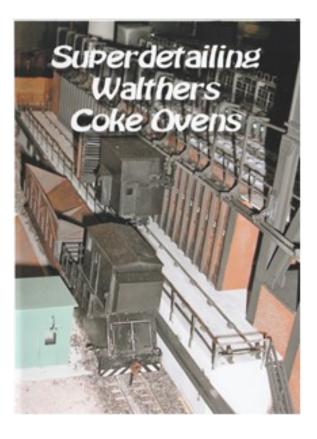
Books

Walthers The History, of Making and Modeling of Steel

Plastruct The Cyclopedia of Industrial Modeling



Shop our entire inventory of HO scale cars and accessories at www.statetoolanddie.com



SUPERDETAILNG WALTHERS COKE OVENS: The Walthers Coke Ovens is a great kit and the only one of its kind, but it is somewhat thin on some details, lacks some key components and is too small.

This video shows how to transform two Walthers kits into something approaching museum-quality. Tons of detail are added to the kits that includes lengthening them, walkways, handrails, trolley lines, ammonia liquor spray pipes, modified quench tower, quench locomotive, coke guide, door extractor, oven pusher, coal dumphouse, coke load-out, coke wharf and new smokestack Finally the finished model is painted, weathered and mounted to the base with trackage.

The presenter is Jeff Borne, known for his heavy industry HO-scale layout "Columbia River Steel Corp."

Includes a self-starting CD-ROM "book" with 314 photos and a list of parts used in the project and a 100-page construction instructions (in PDF format). CD contents can be printed out. The video is two hours. \$24.95 + free shipping (in the United States only)

http://www.prairie-works.com/steel-mill-modeling.html



The Steel Mill Modelers SIG is hosting STEEL ZOOMIN' for anyone interested in modeling steel mills and their related industries. During the winter, these meetings were held on the second Saturday of each month. However, as we move into warmer months, the meetings will be held on the second Thursday of each month at 8pm, Eastern Time. Check the Steel Mill Modelers website for the latest information: SMMSIG.org.

There is no need to RSVP for this event, but it is limited to the first 100 persons who log into this Zoom meeting. Attendees have given clinics on topics such as steel mill photos, modeling techniques, and virtual layout tours. Following the presentations, we have a "show-and-tell" for anyone who wishes to share with the group, using a Zoom feature that allows each person in the meeting to show, via live video and audio, their workbench projects.

This is an opportunity for you to show off and ask questions. We would ask that you limit your sharing to no more than three pictures of your project(s) and please limit your discussion to a one to two minutes. To share photos, store the photo(s) on your computer and open on your "Desktop." This will make it easy to share using the green "Share" button on the Zoom screen. We are also always looking for future meeting items. See the full agenda below.

These meetings are recorded and links to the "Steel Zoomin' Meetup Videos" are available in the "Members Area" of the Steel Mill Modelers website (SMMSIG.org). Please note that this is available for members only. You can join on the Steel Mill Modelers website (SMMSIG.org).

If you are not a member but would like to receive invitations to these meetings, please send an email request to phillipsfoundry@yahoo.com.

Virtual meeting tips:

Computer preparation: If you have time, reboot your computer before you begin an important session. Close any other programs that are communicating via the internet to save bandwidth. Close out of email or any other application that sends notifications. You want to eliminate these distractions during our sessions, and you do not want them to appear if you are sharing your desktop during your presentation.

Arrive early so that you and your computer or smart phone are set up and functioning and that you have time to get comfortable with muting and chatting.

Sharing layouts: Videos tend to be jerky over Zoom so it better to take a series of pictures and show those pictures of your layout.

Sharing pictures: To show more than one photo or drawing, try putting the images into a Power Point file and then just go through slide by slide on your desktop to share the presentation. When using a smart phone to use Zoom, set your smart phone down in a cradle so that your image does not bounce around with your hand movement.

Become proficient with the MUTE function. If you have a cough or sneeze coming, or you need to type something in CHAT, hit the mute. Remember to turn it back on. Avoid typing until you can mute (meaning you are no longer talking). Typing, especially if your keyboard is next to your microphone, is LOUD ! Many of us have been stuck at home and not used to speaking, so if coughing may be an issue, keep a glass of water or cough drops handy.

Finally, avoid virtual backgrounds. They take up a lot of bandwidth. It may be better to simply purchase a backdrop, use a curtain, or have a plain wall behind you.



STEEL MILL MODELERS

A SPECIAL INTEREST GROUP (SIG) OF THE NATIONAL MODEL RAILROAD ASSOCIATION

MEMBER BENEFITS

• Priority registration for events.

•Annual Steel Mill Modelers Meet – The annual meet is held some time from mid-August through Labor Day weekend from Thursday evening through Sunday morning and features steel mill modeling clinics, layout tours and where possible prototype tours.

•Quarterly "Steel Mill Modelers Journal" – The journal serves as the official newsletter to members and contains articles and data that pertains' to steel mill design, operations and modeling. Also featured are product releases and how to find information.

•Clinic Slides and Presentation Material – Presentations from the annual meet are available.

•Plant Directory – Have your layout listed in the steel mill plant directory. Use this directory to contact other modelers who have steel mill operations on their layout.

•Reference Exchange – Share blue prints, photos, reference materials, member designed and constructed unique steel mill features and details.

• Dean Freytag award – Be judged by your peers and earn this prestigious award at the annual meet for excellence in steel mill modeling.

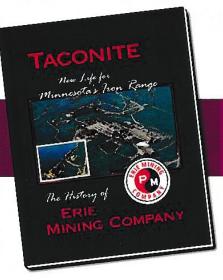
DUES

•\$60.00 per year for US members

•\$75.00 per year for International members (the additional dues for international members barely covers the cost of postage to send out the Journal).

For more information on dues, member benefits, membership, and the annual meet please contact the SMMSIG





Erie Mining Company History Project Team & St. Louis County Historical Society proudly announce the publication of "Taconite, New Life for Minnesota's Iron **Range, The History of Erie Mining** Company."

The book is the history of the one of the world's first and largest taconite mine and processing plants! The history includes the pioneering research for the development of a system to economically mine and process taconite, and the construction and operation of a preliminary mining and processing plant using full sized commercial equipment and machines. The success of this operation lead to the construction and operation of a commercial mine and plant with an annual rated capacity of 7.5 million tons of iron ore pellets processed from taconite ore.

- 352 pages, with color/black and white photos, maps, charts, and graphs.
- Fold-out timeline of historical events and production statistics.
- Recollections of former employees, family members and people associated with the Erie Mining Company.
- Hard cover book includes internet access to selected company newspaper articles, photos, early published articles, organization charts, and historical information.
- The price of \$45.00 includes packaging, mailing and sales tax.
- The book includes internet access to over 150 oral history interview transcripts.

For further information, please contact Ron Hein @ 308.991.1796 or Mike Sterk @ 218.225.3507

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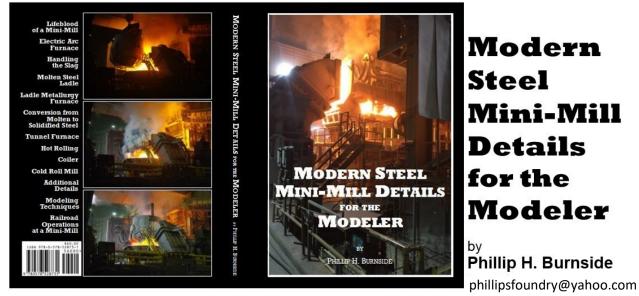
This is ScaleTrains.com second run of these cars. This run includes cars lettered in CSX with the boxcar logo on the hoods and Norfolk Southern with the Protect III logo on its hood. Each road name has four different numbers.

These cars are loaded with factory-applied details, five coils load metal wheels, and Kadee compatible couples.

Cars retail at \$59.99

Look for a product review in the upcoming July 1st is of The Mill Newsletter.





What started as a chance encounter with a Nucor company executive led to an incredible opportunity for private tours to photograph the interior of a modern steel mill. Knowing that most visitors are not allowed to take photographs inside these mills, and with the assistance of Nucor, the author is sharing his experiences and newly-found knowledge by writing this book. With over 300 photographs, drawings and diagrams, this book explains the various steps and describes the equipment used in a modern steel mini-mill. It also illustrates the techniques used to build a model of the Nucor facility in Crawfordsville, Indiana.

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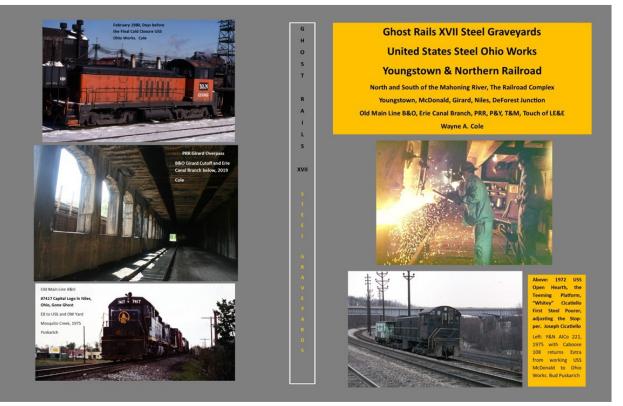
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Volume 17 Steel Graveyards is an intense United States Steel Ohio Works history and its railroad the Youngstown and Northern. About 200 pages of the 292 page, 44 color pages, hardback, details the massive plant and its entire history. Emphasis is on the open hearth, Bessemer converter, and blast furnaces. The open hearth in particular is manifested with unique 1970 employee photos. Numerous maps and charts manifest layouts and production flow. The 5 mile Y&N linked the USS Ohio Works and the USS finishing mill at McDonald. Volume 17 has well over 500 first time photos and outstanding timelines!

About 1/3rd of the book covers the very complex railroad layout on the north and south side of the Mahoning River. I did not intend to cover in Volume 17, but the Y&N was built upon the Painesville and Youngstown narrow gauge; thus, one history led to another and I had to have a good geographical end and beginning. I could not have **ghost rail loose ends** so to speak. Consequently, old main line B&O is detailed, P&Y (the unknown T&M) from Youngstown to DeForest, Erie Railroad from near Girard to DeForest, the Canal Branch, connection to Ohio Works, PY&A near Niles, Mineral Ridge RR, Ohio Central, LE&E, streetcar lines in Niles area. All this lead me to cover briefly AM Byers, Republic Niles, and a handful of smaller blast furnaces in Girard Niles area. Volume 17 is complex and an exceptional first time history. DeForest operation OML B&O, P&Y and Erie covered in depth.

There are a handful of other Ghost Rails 9, 12, 13, 15, 16 plus some coil bounds as Y&A or Y&S Special Edition available; email ifinterested. Prefer: Books can be paid via PayPal Family and Friend to wacole@hotmail.com. Or send a \$65 check for Volume17 to: Colebooks, 1402 Seminole Circle, Beaver Falls, Pa. 15010Add \$10 for priority. Price listed includes shipping

Because of the virus only a small number were printed, and I may be a little slower on shipping.

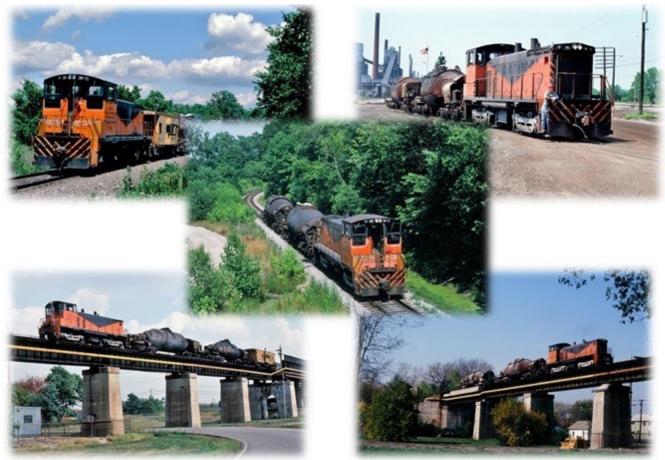
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State

Zip



Frank Sabo is currently writing a book on Armco Steel -AK Steel. He is looking for images of Armco locomotives both roster and action, rolling stock, and also photos of any of Armco's structures. These photos can be from any year or any plant. If you would like to make a photo contribution, please contact Frank by email. The book will be published by Morning Sun Books with a release date sometime in 2022. Frank Sabo can be contacted through his email SP_Lives@rocketmail.com or Facebook page. https://www.facebook.com/frankie.sabo



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From Woodinville, one leg of the wye headed CB&Q formed the Burlington Northern, the west to Bothell, Kenmore, and Seattle, the route known locally as the "Eastside Beltline"

Trackside September 2019 Premium Edition Modeling the EN's Woodlinville Sub Inta Small Rooms in HO Roof Hatch Modifications for Grain Cars

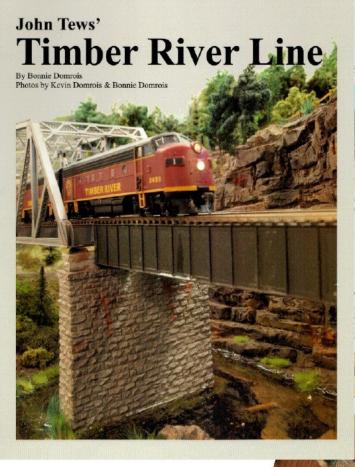
> HO Scale Shortline Works Through the Oil Crisis

d by the BN. As a concession of the ilwaukee Road was granted ghts over the former Northern te and used it to access its remote illingham, and Sumas operations to

the north. Unlike the BN, which operated mostly shorter locals on the line, Milwaukee ran long trains with six-ake GEs on a line that was never intended for such heavy service. Brian shared, "There are many reports that BN operators were shocked when they first learned that Milwaukee was running 80-plus car trains over the line. After Milwaukee abandoned its 'Lines West' in 1980, the line reverted to its branch line status." The Woodinville Subdivision passed to the BNSF after the BN/AT&SF merger in 1996.

The Kirkland Turn travels through Redmond. The city is the southern terminus of Brian's Woodinville Sub layout. It sits east of Seattle on the other side of Lake Washington and at the north end of Lake Sammamish. It began as a logging town, first incorporating in 1912. It grew significantly in the 60s and 70s, partially thanks to a number of high-tech industries that made the town their home.





Take a trip on the Timber River Line and experience a visual tour of legendary Master Modeler John Tews' Timber River Line. 245 color photos show multiple industries including mines and logging and interchanges as the railroad moves the products back and forth. This being a fully operational railroad, every detail and movement is taken into account, mimicking full size railroads, along with innovations like John Tews' automatic model train hopper car unloader. This book also includes a biography on John Tews himself; both personal and his achievements within the industry, including Trainfest and how he grew it to one of the largest model railroad shows in the country. This book is destined to be a favorite and hold a permanent place in your collection.

Available: " Both in E-Book and Print On our website in the Store

http://allscalerails.com/

Main

Map