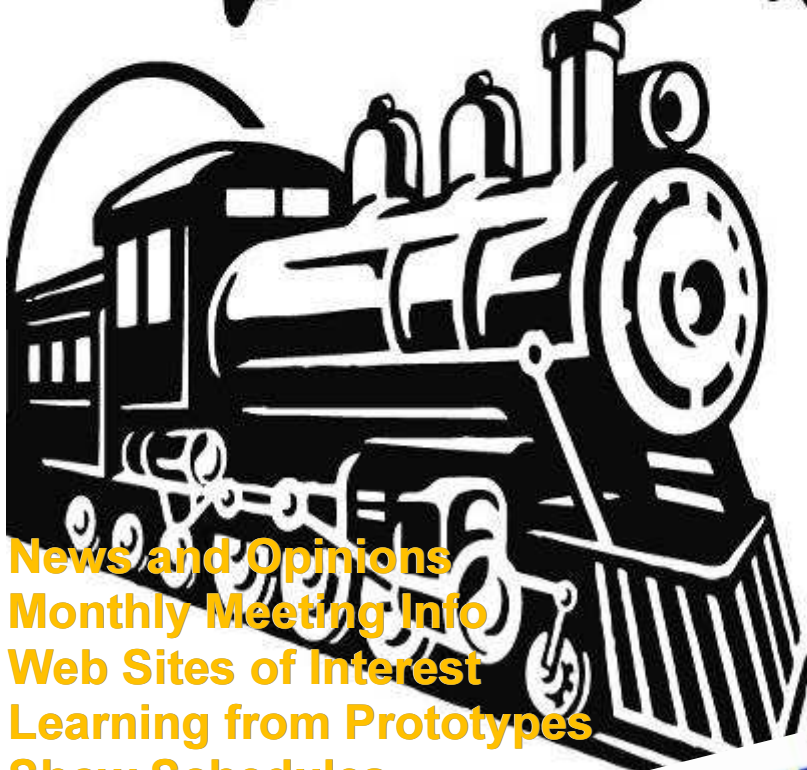




Lake Erie "N" Scale Society

"L.E.N.S."

October, 2015



News and Opinions
Monthly Meeting Info
Web Sites of Interest
Learning from Prototypes
Show Schedules
and more!

N-TRAK
N SCALE MODULAR RAILROADING

Over 30 years of promoting model railroading!

Welcome! LENS is a group of people with a common interest in modeling N scale railroads using the “NTRAK” modular concept.

Any time we meet and/or display our work and promote this hobby, we would love to have you join us.

This means that ALL of us have chances to participate in the hobby by helping with any or all of the following:

**Setting up / tearing down
Running trains
Sharing your knowledge
Learning something new
Answering questions
Hosting a meeting**

Notice that NONE of the above requires a module. We need your help... so bring yourself, your enthusiasm, your interest and your trains.

Thanks in advance for helping!
Hopefully, we will continue to see you at the meetings and display events.

Come and join in the fun!

www.lensohio.org

The Lake Erie N Scale Society newsletter is published monthly for the sole use of its members by a crew of volunteers.

Opinions published here are solely those of the editor and/or the members of the Lake Erie N Scale Society.

This publication is intended to be a monthly newsletter describing the business, events and the common interest in N scale model railroading enjoyed by the members of the Lake Erie N Scale Society.

For information or questions regarding our Society, you may contact Dennis Lloyd at 440-352-7081 - or - (denlloyd@gmail.com)

Meetings normally start at 7:30 p.m., the fourth Friday of each month.

Last Month's Meeting

Last month meeting was at Matt K.'s home. We discussed several upcoming set-ups. On October 31st there will be a linear layout running at Lakeland Community College from 9 AM until 2 PM for Build a Railroad Day. Several of our members will be making presentations on various aspects of model railroading.

There will also be a one day linear layout at Breckinridge in Willoughby on November 14 with set-up at 7:30 AM. We will run from 10 AM until 4 PM.

E are looking into possible set-ups for the Spring or late Winter at area community centers.

This Month's Meeting

This month's meeting is at 7:30 on October 23rd. at the home of Charlie T's. Please park in the street and enter through the back door. Charlie usually puts on a n informal feast, so be prepared. We need to finalize the next two set-ups and prepare for the December run at FarmPark. Also,. We will get to see the new additions to Charlie's layout. See you there!

Next Month's Meeting

Next month's meeting is at 7:30 on November 27th at Judson E.'s home. This is the day after Thanksgiving, so a change might need to be made with the date. Here we will definitely need to finalize the Country Lights set-up at FarmPark.

From the Internet

A new railroad exhibit has opened in Connellsville Pa. (go to connellsvillecanteen.org) It is a 25 x 50 feet miniature railroad display which includes local landmarks, of the late Harry Clark. As you watch this miniature display there is a railroad sound track which is enhanced by the actual train traffic from the very active CSX railroad yard just one half block away with its AMTRAC station serving riders between Washington DC and Chicago.

My wife and I operate a bed and breakfast just a block from these activities.

(see connellsvillebedbreakfast.com). You can check pricing, bed arrangements, availability and even make reservation on the site or call us at [1-877-892-8900](tel:1-877-892-8900).

We hope you will visit Connellsville. In addition to the above we are only one block from the Youghiogheny River (fishing and boating), the GAP Trail running from Pittsburgh to Washington DC (hiking and biking). We are also within 20 minutes of two Frank Lloyd Wright sites (Fallingwater and Kentuck Knob) you can visit, plus historical sites, wineries and lots of fall foliage.

Please call [1-877-892-8900](tel:1-877-892-8900) for further information. John or Lucille King



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Microtrains Dealer

You've seen Rob & Sandy at Railfest — why not visit their store in Willoughby when you get a chance.



Looking for LENS apparel?



Contact Karen (440-347-0938) to order your favorite items. Quality, prices & selection to fit every budget!

From the Prototype

Positive Train Control

The main concept in PTC (as defined for [North American Class I freight railroads](#)) is that the train receives information about its location and where it is allowed to safely travel, also known as movement authorities. Equipment on board the train then enforces this, preventing unsafe movement. PTC systems may work in either [dark territory](#) or signaled territory, and may use [GPS](#) navigation to track train movements. The [Federal Railroad Administration](#) (FRA) has listed among its goals, "To deploy the Nationwide Differential Global Positioning System (NDGPS) as a nationwide, uniform, and continuous positioning system, suitable for train control."^[2]

Various other benefits are sometimes associated with PTC such as increased fuel efficiency or [locomotive](#) diagnostics; these are benefits that can be achieved by having a wire-

less data system to transmit the information, whether it be for PTC or other applications.

In the 1990s, [Union Pacific Railroad](#) (UP) had a partnership project with [General Electric](#) to implement a similar system known as "**Precision** Train Control." This system would have involved [moving block](#) operation, which adjusts a "safe zone" around a train based on its speed and location. The similar abbreviations have sometimes caused confusion over the definition of the technology. GE later abandoned the Precision Train Control platform.^[3] The main concept in PTC (as defined for [North American Class I freight railroads](#)) is that the train receives information about its location and where it is allowed to safely travel, also known as movement authorities. Equipment on board the train then enforces this, preventing unsafe movement. PTC systems may work in either [dark territory](#) or signaled territory, and may use [GPS](#) navigation to track train movements. The [Federal Railroad Administration](#) (FRA) has listed among its goals, "To deploy the Nationwide Differential Global Positioning System (NDGPS) as a nationwide, uniform, and continuous positioning system, suitable for train control."^[2]

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sion Train Control platform.^[3]

A typical PTC system involves two basic components:

- Speed display and control unit on the locomotive
- A method to dynamically inform the speed control unit of changing track or signal conditions.^[21]

Optionally, three additional components may exist:

- An on-board navigation system and track profile database to enforce fixed speed limits
- A bi-directional data link to inform signaling equipment of the train's presence

Centralized systems to directly issue movement authorities to trains

References

1. American Railway Engineering and Maintenance-of-Way Association (AREMA), Lanham, MD (2009). "[Meeting the Communication Challenges for Positive Train Control.](#)" AREMA 2009 Annual Conference & Exposition, Chicago, IL.
- 2. Federal Railroad Administration, Washington, DC (2002). "[Railroad Research and Development Program: Train Control.](#)" *Five-Year Strategic Plan for Railroad Research, Development, and Demonstrations*. Document no. FRA/RDV-02/02. p. 4-47.
- 3. Lindsey, Ron (2010-12-07). "[Really! You Gotta Let It Go.](#)" *Strategic Railroading*.

(From Wikipedia)

“F.R.E.D.”



See you at the next station!

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