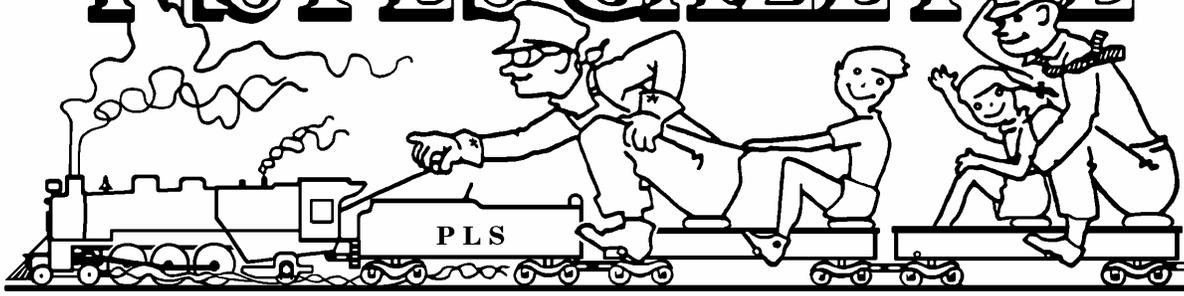


The PLS GAZETTE



PENNSYLVANIA LIVE STEAMERS, INC.
P.O. BOX 26202, COLLEGEVILLE, PA. 19426-0202

Sept. Oct. - 2007



Harry and Paul Quirk. 10th anniversary of the Gauge-1 Track. See Page 4 for the full story.

Prez Sez

We often hear the term “carbon footprint” these days. This is the amount of carbon dioxide discharged to the atmosphere due to our activities. Recently, someone asked me the ‘carbon footprint’ of PLS. I had no answer at that time, so I thought we might take a look at the matter this month. We are going to discuss, inter alia, chemistry. If you are allergic to chemistry and the word causes nausea, stop reading now.

For those of you still with us, a molecule of carbon dioxide consists of one atom of carbon and two atoms of oxygen. Since an atom of oxygen weighs 1.33 times as much as a carbon atom (16 Daltons vs. 12 Daltons) burning a pound of carbon creates 3.67 pounds of carbon dioxide.

If a locomotive burns coal, calculations are simple, since coal is mostly carbon. Anthracite coal from eastern Pennsylvania is about 86% carbon; low volatile bituminous coal is about 78% carbon. Since the coal-fired locomotives at the club are estimated to burn the equivalent of two tons of low volatile bituminous coal a year or 1.5 tons of carbon, they would produce 5.7 tons of carbon dioxide a year

The locomotives using gasoline are estimated to burn about 100 gallons of gasoline each year, or about 600 pounds. The gasoline (as octane) is about 83% carbon. The gasoline powered locomotives would burn about 498 pounds of carbon, producing about 1827 pounds (0.91 tons) of carbon dioxide.

Oil-fired steam locomotives are estimated to burn about 80 gallons of #2 fuel oil a year. We can use the same calculation basis as gasoline without introducing serious error. Add another 1462 pounds (0.73 tons) of carbon dioxide. The total due to running trains is 7.3 tons of carbon dioxide.

BUT, we burn about 160 gallons of gasoline per year cutting grass; about 150 gallons of fuel oil heating the clubhouse and about 40 gallons per year of diesel oil running the front end loader/ backhoe. These activities create another 3.2 tons of carbon dioxide.

(Continued on Page 2)

Pennsylvania Live Steamers, Inc.

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Clubhouse Phone – 610-454-0477 **Club Web Site**: <http://PALiveSteamers.org>

CALENDAR OF EVENTS – 2007

Saturday, October 20

Membership Meeting - 12:30 PM

Saturday, October 27

Fall Cleanup Day- All Hands

Sunday, October 28

Blowdown Run Day – Members and Guests Only –No Rain Date

Saturday, November 10 Board of Directors Meeting - 12:30 PM

Saturday, November 17

Membership Meeting - 12:30 PM - **Fall Cleanup Day- All Hands**

Friday, November 23

Turkey Trot Special Run Day, No Rain/Snow Date

Saturday, December 8 Board of Directors Meeting – 9:30 AM

The PLS *Gazette* is published 6 times a year starting in February. Deadline is BOD Meeting

Membership cards will be mailed to all paid up Members with the April Gazette

Prez Sez (from page1)

AND we all have to get to the club to work and play. Using an average of 15 cars per workday, and an average round trip of 30 miles, we can be sure that at least 15 gallons of gasoline are burned transporting members to the club each workday. There are about 102 workdays in a year, so 1530 gallons are burned each year getting to work. This gasoline weighs 9180 pounds (4.6 tons) and contains 3.8 tons of carbon. When we burn this carbon we produce 13.95 tons of carbon.

We have seven run days and four meet days each year. If the average attendance involves fifty cars per day, and the average trip is the same thirty miles, we burn 550 gallons (3300 pounds) of gasoline each year getting to play days. Therefore, we generate 18.95 tons of carbon dioxide transporting ourselves to the club to work and play.

The final score is 7.3 tons of carbon dioxide running trains and 22.15 tons in other activities. The average suburban house has a similar impact.

Bill Love



The above photo was from Frank Watson's collection labeled as Bullock's 001



Frank Wilus ready for the hundreds of Passengers during the August Public Run Day

New Members

New regular member Lee Hart. New associate members Charles C. Kadyk, Richard Geositis, Frederick A. Leeds, Fredrick A. Leeds II, Mathew Holliday, Sean Skelonis, Carl Skelonis, Jean Mc Menamin, Justin Koch, Bill CraneII, Christopher Hawkins, Andrew J. Lutz, Carl Miller, Alex Ciparis, Paul Fenn, Kenneth Waleri, and Mrehele Lizak . Welcome to all!!

PIS Library

Our library is now officially open for business. We have over 400 books, pamphlets, videos and DVD's. All members, regular and associate can take out items for a one month period. After that there will be a \$1.00 fine for each week that the item has not been returned.

Thanks to a generous member, we now have a number of these items on display in a new glass front bookcase in the clubhouse. Please see Lynn Hammond on a Wednesday or a Saturday if you would like to take out any of the items.

2007 Fall Meet Thank You

Thanks from Kathy Parris, to the following people who donated baked goods and/or volunteered to work in the kitchen and snack areas: Bruce Barrett, Ann Bent, Nancy Blackson, Pete Brown, George Cooper, Paul Culp, Martha Cushwa, Mary Lou Delp, Ken Evasew, Ed Faller, John Geib, Lynn Hammond, Al Hein, Pat Heller, Dave Laird, Jane McDevitt, Walt Mensch, Carl Miller, Kristin Moore, Vicki Moore, Ginny Morris, Les Murphy, Carol Quirk, Jack Reed, Pamela Rice, Debby Rose, Terry Sardos, Bruce Saylor, Mary Saylor, Barry Shapin, Bonnie Shupard, Pat Speak, Tom Tucker, Rose Ann Wagner-Love, and Susan Webb. PLS also appreciates the donations and support given by Hatfield Quality Meats, Heinz Company, Redner's Warehouse Markets, and Rich's Products.

Editor' Notes

Walter Mensch had triple bypass heart surgery and as of this writing is recovering and is expecting to be released from the hospital before you read this. Please call his home to ASK if he is ready to receive visitors. No dropping in, PLEASE.

It's doubtful that PLS would have a Gauge-1 track if it wouldn't have been for Harry and Paul Quirk shown on the front cover. A special thanks to both for their efforts in maintaining the track.

Janet Jones emailed me the Frank Watson photo you see on page2. Janet is Tom Tucker's daughter. Frank Watson's photos are works of art as far as I'm concerned. If you take all of Frank's photos out of Jeremy Plant's Reading Steam, and Trackside around Philadelphia you won't have a whole lot left. I remember chatting with Frank a number of years ago about his pictures and he told me, with a bit of chuckle in his voice, that a lot of pictures credited to him, he never took, but that a lot of pictures credited to others he did take. I really miss his presence at PLS and wish him the best.

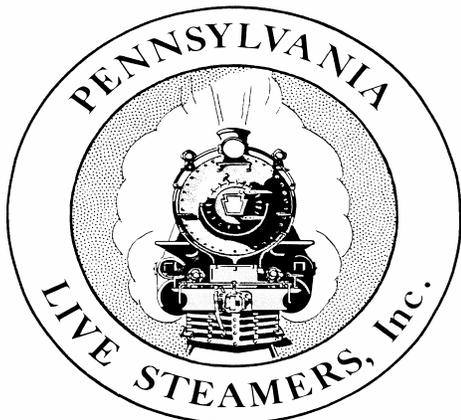
Your humble servant; Phil Paskos



Car storage barn Sept. 2007

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FIRST CLASS



Think Safety!!