



# ORDERBOARD

The Publication of the Kitsap Live Steamers



*Photo by Hilton Thomas*

## Come Join the Ghost Train

Next Meeting:  
November 7, 2016,  
7pm  
Poodle Dog, Fife

### *Inside this Issue*

President's Message/Welcom	2	Bulletin Board	5-6
Ghost Train	3	Phone Numbers/ Sunshine	7
Safety Committee for NWSS	4	Calendar	8

October  
Volume 27 Issue 7

News items, personal and editorial comments in this publication do not necessarily reflect the views and opinions of the KLS Corporation.

Visit our website at [www.kitsaplivesteamers.org](http://www.kitsaplivesteamers.org)

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## Happy Birthdays to

### October Birthdays

Jesse Thompson Oct. 4<sup>th</sup>,  
Alice Brown Oct. 13<sup>th</sup> and  
Chuck Frame Oct 20<sup>th</sup>

### November Birthdays –

Greg Slobodzian Nov. 12<sup>th</sup>  
Doug Wilkinson Nov. 23<sup>rd</sup>

## President's Message

by Tom Huffman



Ru'tro

Fall is quickly approaching and only a few run days left. It's been a great summer. Thanks to all of our members for making it a record breaking year. The Ghost Train is our last run of the season and always a great adventure. Then the Puyallup train show this November. What a venue to show off our hobby and brag about

K.L.S., and the community service we provide to the Puget Sound area.

We are waiting for the County to survey the trees for root rot. Then they will have the infected ones cleared. There will be some damage in our area. The clearing of the trees and underbrush will give us a better view of the terrain and route possibilities. Saving us some ground work also. We will get this project going not as fast as I wanted but we will be better off in the long run.

Tom Huffman

## Please Welcome Our New Members

James Graverholt IN  
14616 62<sup>nd</sup> Avenue NW  
Stanwood, WA 98292-6947  
jgraverholt@frontier.com  
360-652-5321

Bert Mason FA  
Mary Saltwick  
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Renton, WA 98057-2930  
bert@automagheaven.com  
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Terri, Andy, Grace and Martin Orford FA  
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Port Orchard, WA 98367  
orfordt@gmail.com  
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KLS Board Members have approved a new membership category giving active duty military a 50% discount from regular membership dues.

Updated applications are available at the depot and on-line under "Become a Member" or the "Membership Renewal" tab on the home page menu.

Kitsap County Parks Advisory Board  
2016 Meeting Schedule  
Meeting Time – 6:00 PM

October 19, 2016  
Island Lake Community Center  
1087 NW Island Lake Rd  
Poulsbo, WA

November 16, 2016  
Long Lake Community Center  
5448 Long Lake Rd SE  
Port Orchard, WA

# Ghost Train

Ghost Train Planning Oct 29, 2016 (5pm to 9pm)

**Train Crews: 8 locomotives, 7 pulling 2 astride cars each.**

Locomotive	Engineer	Conductor
1. Santa Fe F7	David Hoefler	David White
2. BNSF Dash 8	Ken Kaivo	Don Morrell
3. CP SW1500 +	Dan Simmons	Georgene Lenon
4. UP SW7 +	Greg Slobodzian	Hannah Montgomery
5. UP Pacific+	Bill Hartung	Marie Weaver
6. NP Pacific w/Riding Cars+	Ken Olsen	Jesse Thompson
7. UP Pacific+	Nick Buell	Jeff Mills
8. Steam Switcher+	Zac Lenon	Dennis Weaver
9. Tasha+ Single Astride Car	Carole Moss	Ted Karanson

Relief / Reserve Crew - Santa Fe F7 and Crew  
Milwaukee SW1500 – (Held in Reserve)  
(+ Means confirmed)

## Depot Staff:

Station Master – Joy Slobodzian  
Briefer – Kathy Huffman  
Entry Gate – Pat Rogers  
Exit Gate – Brittany Bowie Morrell  
Station Extra – Doug Wilkinson  
Station Extra – Bob Knoecker  
Station Extra - Alan Halfhill  
Ghost Train Planning Oct 29, 2016 (5pm to 9pm)



## Ghost train update

Crash Crew: (Wheelbarrow with Engine Lift, Lights, First Aid Kit. Ready Engine in case we need to Tow, etc.).  
Team Leader – Tom Huffman  
Member #2 – Richard Hoffman  
Member #3 – John Thomas  
Member #4 – Bill Moorhead  
Member #5 – Caden Powell

## Logistics:

1. Crowd Control –
  - a. Fencing – Passenger Pre-Briefing area. KCFCA.
  - b. Area Lighting – Work lights for passenger briefing area. KCFCA.
2. Astride Riding Cars – There are 14 Astride Cars Available (7 Sets of 2).
3. Lighted X-bucks at the entrance road crossing.
4. Switch stands placed at the entrance to the depot and the yard.
5. Reserved Parking Area for Hurst's Parking.
6. Mark Depot for Locomotive Unloading with 2 Cars.

## Tasks:

1. EOT's (x 12) – Dan Simmons COMPLETE
2. Industrial Strength Velcro for EOT mounting – Don Rogers COMPLETE
3. Install EOT's. Dan Simmons, Tom Caparella. COMPLETE

Hot Soup, Cider and Cocoa – Marie Weaver

## Safety Committee for Northwest Steam Society

by Micheal Cross

I hope your summer of steaming has gone well. We had schedule conflicts that kept us from attending several events, but we managed quite a bit of steaming anyway.

This time, I am going to talk about water level gages. Specifically, tubular glass water gages, so those of you with reflex gages can stop right here. Reflex gages are almost bullet proof, but tubular gages are much less expensive, and are easier to install as they can easily be adjusted to any fitting spacing, so there are lots of tubular gages in our fleet.

The glass part of a tubular water gage is made of borosilicate glass—known as Pyrex if it is made by Corning. Pyrex has about the same strength as ordinary glass, but is much more resistant to temperature changes, which is why it is used for gages. Pure, defect-free glass is amazingly strong, but tiny inclusions in the melt and scratches on the surface lower the strength. In tests, brand new gage glasses burst at between 1800 and 3000 psi.—certainly more than our boilers are going to see.

What the water glasses on our boilers do see is lots of abuse. They are at steam temperature at the top end, and much cooler on the bottom. The fittings aren't always perfectly in line, so there might be some bending. And they might get hit from time to time. In addition to all that, they get eaten up by our boiler water. With all this taken into consideration, the manufacturers of gage glass tubing limit the working pressure to 275 psi in the lengths we are likely to use.

Pyrex glass is mostly silica (silicon dioxide, or sand), boric oxide, sodium oxide, and a few other things. Unfortunately for us, the boron and sodium molecules are slightly soluble in alkaline water at high temperatures. So when we add boiler compound to raise the pH so the steel won't corrode, the Pyrex gage glass starts to dissolve. The good

news is that it doesn't dissolve very fast. Test data for Pyrex glass at 200 psi (387°F) show that it dissolves at about 5mm per year. The 3/32" wall of typical gage glass is 2.3mm, so it would completely dissolve in about 6 months. One of our members dealt with a plywood company that used 200 psi steam to heat their presses. Their gages would thin enough to burst in less than a month.



The glass in the photo is the bottom end of a gage glass that was removed after many years of service. Normally, a 5/8" gage glass has a 3/32" wall. This glass is 0.050" thick at the end, but of course the part that extends below the gage glass gasket does not have to withstand pressure. The part just above the gasket **does** have to withstand pressure. The ID of this glass in that area is 0.510". That means the wall is only 0.058", or 61% of the original 3/32". If this goes on long enough, the glass will eventually burst.

So you need to check your gage glass from time to time. Think about doing it when you do your yearly hydrostatic test.

How much thinning of the glass is OK? Probably anything less than 10% is OK. So if the bottom end of the glass has lost more than 20% (since it corrodes on both the inside

and outside) you should replace it. If it started out at 3/32" (0.094"), that would be a final thickness of 0.075".

Some procedures for doing a hydrostatic test recommend closing the water gage valves before the test. Our Guidelines for Operating Safety don't recommend this, and neither do I. I always pressure test my water glass along with the boiler. I figure that if the glass can't take 1 ½ times working pressure, I don't want it.

Submitted by Carole Moss

*Superintendent  
Needed  
for the  
October 22  
Run day*

## Bulletin Board

### “On Track”

by Bill Hartung

The work of the track gang to replace rotten wood ties is just about wrapped up, using the new pre-molded plastic ties that will be our regular configuration going forward. And the short loop that we will use for the Ghost Train on October 29<sup>th</sup> has been checked and trimmed by the track gang and is ready for the goblins to arrive. Thanks again to Tom Huffman, Don Rogers, Dan Simmons and Greg Slobodzian for all their efforts to get the track in the best shape it's ever been.

Recently several members of the KLS board met with Dori and Arno from the Kitsap County parks department, at the park, and we learned more about evergreen tree root rot than I would have ever expected to know. Arno is the forester hired by the county to care for the trees in all the parks, and he gave us a run-down on what he expects will be happening in the park in the near future. We walked along the route of our new extension and Arno noted quite a few trees that are already dead or dying. He will be testing the ground in the park for further evidence of the root rot, and will then engage a commercial tree feller to bring down the trees that are diseased. We got a sense that there is urgency in the minds of the parks department, due to the potential liability of a tree falling on someone.

Since some of the work to remove the dead trees will likely occur in the area our existing track and our planned extension occupies, Arno suggested that we hold off on our new work until the bad trees have been removed. Hopefully that work will be completed before it's time for us to do maintenance on the existing track for next season. Arno and Dori do understand the concerns we have regarding this scheduling issue. So for now, stay tuned for further developments.

### Puyallup Great Train Show 2016

By Jeff Mills

This year's Great Train Show Puyallup 2016 is scheduled for November 12<sup>th</sup> and 13<sup>th</sup> and will be open to the public 10:00 AM to 4:00 PM. Set up will start on November 11<sup>th</sup> at 1:00 PM and be completed on the 12<sup>th</sup> between 7:00 AM and 10:00 AM

We will have an area of 800 square feet or 20'x40' and we can accommodate 10 pieces of equipment. All equipment will be required to be on stands. Please contact me at your earliest convenience so I can make sure we have enough room to display your equipment. Equipment under construction is interesting to the Public.

This is a great opportunity for KLS as this event introduces potential new members and keeps our public ridership knowledgeable of our run days and times. Last year we handed out many of our KLS fliers and several membership applications.

We will also need volunteers to help man our display for Saturday and Sunday. Passes are handed out at the setup day so they cannot be distributed until we are set up. If you come to the gate and show your KLS badge they will usually let you in. If they will not let you in please call me on my cell phone 253-740-6013 and I will meet you at the gate with a pass. Please feel free to contact me at [jhmills51@hotmail.com](mailto:jhmills51@hotmail.com)

### Printable Roster

A complete printable Membership Roster is now available. From the Home Page follow the green menu strip to Membership Directory. Two options are available; the first is a quick search providing phone number and if the member has email, a link. The second option will provide a comprehensive roster including member's mailing address, phone and email. Click on the first line, titled "KLS Membership Roster (date)," and it will automatically load. This can be printed for your future reference, however, you will need a pdf program such as Adobe.

If you would like to have a printed copy sent to you, or there is an error in a listing, please let me know, 253-566-3843 or [withane65423@gmail.com](mailto:withane65423@gmail.com).



## Bulletin Board

### Rolling Stock

By Tom Caparrella

We had a good Run Day this past month. Mid-morning it was reported that straddle car 403 had a vacuum leak. We continued to use it. This past week it was inspected and found that the vacuum cylinders were leaking. Straddle car 402 was also inspected and found the same problem. These two cars have been removed from service. Straddle cars 501 and 502 are being used in place of them. Don Defley will be given these three trucks to have the vacuum cylinders replaced. We are looking to getting a full reel of vacuum tubing on hand so if we have to replace the vacuum tubing on several cars we will have it on hand.

The Velcro has been installed on all the straddle cars so when we have to split up the cars we can put the new FRED's on them. Thank you to the men who installed them. I want to thank all the men who work hard to make sure the tracks that are bad get replaced so we don't have any derailments on the Run Days. I would like to see a coupler jig or gauge made that could be placed on the track next to a locomotive or car to make sure the coupler heights are okay to be used with our equipment.

### Membership

By Carole Moss

KLS will provide one name tag for an Individual Membership, and two are provided with a Family Membership. Additional or replacement name tags can be ordered for \$10.00 each. Please contact Carole at [withane65423@gmail.com](mailto:withane65423@gmail.com) or 253-566-3843 for replacements or additions. Please notify us if you have a change of your contact information. The Membership/Renewal application form is also downloadable from our website [www.kitsaplivesteamers.org](http://www.kitsaplivesteamers.org).

### Buildings and Yard Equipment

By Don Rogers

- Replaced 120 feet of worn out aluminum rail on curve east of the road entrance with new steel rail.
- Checked and serviced trucks on all KLS Riding Cars.
- Finished replacement of wood ties with plastic in the yard. Only wood ties remaining are on the trestles and the derail.
- Replace bent lead in rail at the Frog near the gravel hopper.
- Replace broken guard rail at the switch on the East side of the short loop.
- Checked and Trimmed 200 ft of rail.
- Installed new steam engine manually operated water fill device at the depot.
- Mounted loose art work in the Thomson Bldg above the kitchen cabinets.
- Repaired failing book shelf in the bathroom (Thanks Dan Simmons).

A reminder: Please do not drop off or leave anything including things such as magazines, memorabilia, wood or building materials, paint etc. at KLS before talking to the Buildings and Yard committee chair (Don Rogers). If this is disregarded, chances are the dropped off items will be removed for disposal (i.e. thrown out) in accordance with written KLS policies. We are fighting for space and we simply do not have the room to keep peoples unwanted items.

Also, we have a mouse problem so please remove any food items from the Thomson Building except those that are in the refrigerator.

Thanks to Greg Slobodzian, Tom Huffman, Bill Hartung, Ted Karanson, Carole Moss, John Thomson, Dan Simmons, Jessie Thompson and all the others for all the hard work on the KLS Railroad.



## Kitsap Live Steamers

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## Sunshine

By Carole Moss

Please encourage our members that we miss. You can send a card, email, call or drop an encouraging card. It's just nice to know someone is thinking about you! Also, please remember the caretakers, if appropriate. If you know of someone who needs encouragement, please contact Carole at withane65423@gmail.com or 253-566-3843

Barbara Lanchester – Get Well  
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Jeanie Springer – New Address  
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Bill Thaete – Get Well  
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Kitsap Live Steamers  
 P.O. Box 1765  
 Port Orchard, WA 98366



## Kitsap Live Steamers Calendar

October	22	Run Day in the Park - TBD
	29	Ghost Train - Don Rogers
November	7	Board Meeting - Poodle Dog 7pm
	12	Work day in the Park
December	5	Board Meeting - Poodle Dog 7pm
	10	Work day in the Park
January	14	Work day in the Park
	21	AGM
	28	Work day in the Park
February	6	Board Meeting - Poodle Dog 7pm
	11	Work day in the Park
	25	Work day in the Park