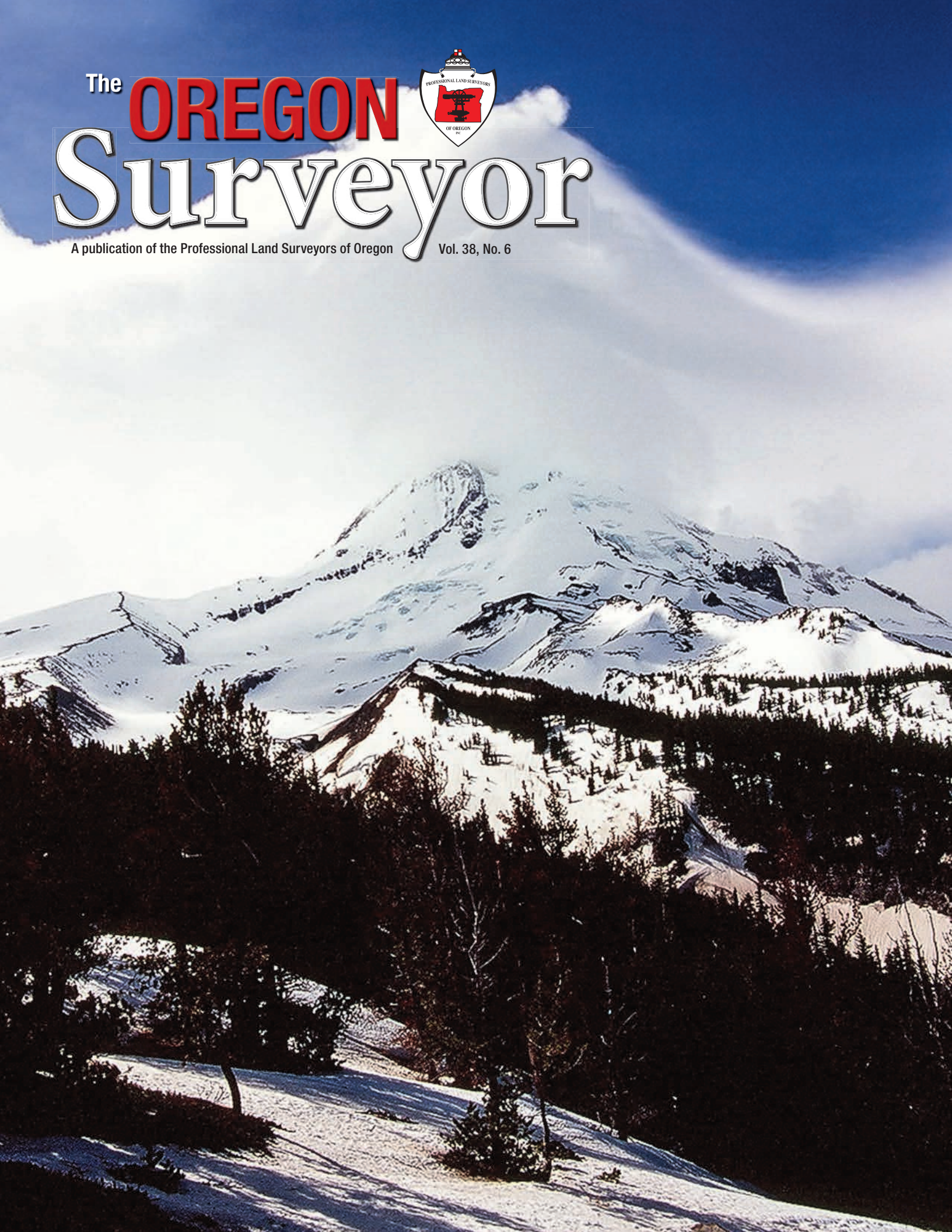


# The **OREGON** Surveyor



A publication of the Professional Land Surveyors of Oregon Vol. 38, No. 6



# 2016 PLSO CONFERENCE

January 20–22 • Hilton Eugene



## MEASURE OF TOMORROW

- Earn professional development hours
- Network with your professional peers
- Support outreach efforts and scholarship programs
- Discounted hotel reservations starting at \$119

**Early bird registration closes Dec. 31.**

Registration form located on the inside back cover of this magazine.

Or register online at:

**[www.plso.org/2016Conference](http://www.plso.org/2016Conference)**

**Thank you to our  
generous sponsors  
for supporting the  
2016 Annual Conference**



**PROJECT  
DELIVERY  
GROUP**

Engineers | Land Surveyors | Project Managers



**GeoLine**



Vol. 38, No. 6  
Nov/Dec 2015



# The OREGON Surveyor

A publication of the  
Professional Land Surveyors of Oregon

## Professional Land Surveyors of Oregon

### Executive Secretary

Aimee McAuliffe  
PO Box 230548  
Tigard, OR 97281  
503-303-1472  
Toll-free: 844-284-5496  
execdirector@plso.org  
www.plso.org



Professional Land Surveyors of Oregon



Professional Land Surveyors of Oregon



@ORLandSurveyors

### Publications Committee

Greg Crites, PLS, *Editor*  
gac@deainc.com  
Paul Galli • gallip@co.cowlitz.wa.us  
Chuck Wiley • charleswiley@gmail.com

### Cover photo

Pat Gaylord, PLS

### Published by

#### LLM Publications

PO Box 91099  
Portland, OR 97291  
503-445-2220 • 800-647-1511  
www.llm.com

### Advertising

Nicole Gardner, nicole@llm.com

### Design

Lisa J. Switalla, lisa@llm.com

# Contents

From the Editor, <i>by Greg Crites, PLS</i>	3
From the PLSO Office, <i>by Aimee McAuliffe</i>	4
From the PLSO Chair, <i>by John Thatcher, PLS</i>	6
NSPS Fall Business Meeting Summary, <i>by Bob Neathamer, PLS</i>	8
PLSO Conference 2016, <i>by Jered McGrath, PLS</i>	9
Speakers and Seminars	10
Annual Map Contest	13
PLSO Education and Outreach Auction, <i>by Gary Johnston, PLS</i>	14
Things to Do in Eugene and Springfield, <i>by Travel Lane County</i>	16
The Lost Surveyor, <i>by Pat Gaylord, PLS</i>	18
Professional Listings	20



It's time to market  
your business!

Advertise in *The Oregon Surveyor*

#### CONTACT

Nicole Gardner, *LLM Publications*  
800-647-1511 x2233  
nicole@llm.com

**The Oregon Surveyor** is a publication of the Professional Land Surveyors of Oregon (PLSO). It is provided as a medium for the expression of individual opinions concerning topics relating to the Land Surveying profession.

**Address changes & business** All notifications for changes of address, membership inquiries and PLSO business correspondence should be directed to Aimee McAuliffe, PO Box 230548, Tigard, OR 97281; 503-303-1472; [execdirector@plso.org](mailto:execdirector@plso.org).

**Editorial matters & contributions of material** *The Oregon Surveyor* welcomes your articles, comments and photos for publication. PLSO assumes no responsibility for statements expressed in this publication. Editorial matters should be directed to Greg Crites, [gac@deainc.com](mailto:gac@deainc.com).

**Advertising policy** Advertising content and materials are subject to approval of the PLSO Board and LLM Publications. The publisher reserves the right to reject any advertising that simulates copy; material must be clearly marked as "Advertisement."

For advertising, contact: Nicole Gardner, [nicole@llm.com](mailto:nicole@llm.com); 503-445-2233, 800-647-1511 x2233. To send display ads to [ads@llm.com](mailto:ads@llm.com). For ad submission guidelines, email [ads@llm.com](mailto:ads@llm.com).



## TRIMBLE VRS NOW CORRECTION SERVICE AVAILABLE IN OREGON

Now available in the Willamette Valley, Trimble® VRS Now™ offers instant access to real-time, centimeter-level RTK corrections with no base station setup or maintenance. Start working immediately, and experience the increased reliability that GPS and GLONASS satellite accessibility offers. Trimble VRS Now offers outstanding service availability and stability via a state-of-the-art base station network covering the valley.\* See for yourself at <http://www.vrsnow.us/Map/SensorMap.aspx>

**To purchase: Contact your Trimble Authorized Partner, GeoLine at 800-523-6408 // [sales@geoline.com](mailto:sales@geoline.com)**

**For more information on VRS Now Service: [Trimble.com/positioning-services](http://Trimble.com/positioning-services)**

*Trimble VRS Now service is now available in your backyard!*



© 2015 Trimble Navigation Limited. All rights reserved. Trimble, the Globe & Triangle logo are trademarks of Trimble Navigation Limited, registered in the United States and in other countries. VRS Now™ is a trademark of Trimble Navigation Limited. All other trademarks are the property of their respective owners.

\*Performance and coverage may vary pending conditions

# Speaking of Travel

■ Greg Crites, PLS

Pat Gaylord's photos of Jordan Valley are truly inspiring. I've got to admit that I look forward to every issue of this magazine just to see what he will come up with based upon his travels! Since Pat was east of the Cascades, I thought I could take the liberty of including a photo I took of an interesting rock formation whilst visiting the Malheur National Wildlife Refuge (NWR) last April in a journey to watch Sandhill Cranes. What do you see in the picture? What else?



Imagine my surprise to discover that Sandhills don't seem to care about the boundaries of the NWR, in fact, we never saw one within the refuge. They were all comingling with cows on private ranch land. If you've ever searched online for their mating rituals, you'll be taken to various YouTube videos of them performing their entertaining dance in efforts to pair up with a member of the opposite sex. Whilst watching them, two things came to mind. Watching members of the Watusi tribe in Sub-Saharan Africa perform dances in their colorful attire, and standing at the counter in a juke joint here in Oregon watching folks dancing to country and western music! The idea of imagining the parallels between the Watusi and Sandhill Cranes isn't a big yank, especially when you consider the parallels in their stature (think tall)! Country and Western dancing on the other hand, at least in my experience, has a lot to do with primitive mating rituals and probably harkens back to some pre-Druid period in our history, though I'm sure anyone who is a devotee of that style of dancing would vehemently disavow such a comparison.

Our conference is coming up in nearly a month. Just as I did last year, I encourage you to consider attending the PLSO conference first if you reside in Oregon. With our declining membership and the heavy reliance we place on conference fees to meet our operating expenses, we need

the numbers. I think the conference committee has done a great job putting together an informative program that should easily satisfy your needs for continuing professional development hours.

If you have any business opportunities dealing with flood insurance, I encourage you to avail yourself of the session put on by Christine Shirley. With the changes to the National Flood Insurance program precipitated by the Biggert-Waters Act of 2012 and recent program amendments addressing some of the holes in that attempted reform, surveyor's need to understand the added complexities of the program and prepare for the questions they may be asked by affected homeowners.

I attended a workshop in 2013 led by Christine and the Oregon Dept. of Land Conservation and Development, where she brought together surveyors, planners, lawyers and underwriters in an effort to open dialogues about the changes. It was one of the most informative workshops I've ever attended and not for the reasons you might expect. I seldom perform flood insurance certifications, but my curiosity needed satisfying. Having the disparate perspectives on this program all in the same room opened my eyes to the differing needs for the information a surveyor may supply. It also opened my eyes to how seriously we have overlooked, as a profession, our need for outreach!

There are many allied disciplines that are eager to get their hands on data we can supply. We need to do a better job of selling the value of that data; primarily because of its quality. Sure you can get elevation data off an Internet search, but how reliable is it and are you willing to assume the liability that comes from using information that doesn't necessarily come from reliable sources?

There are many opportunities at our conference to rub shoulders with your peers, with instructors and PLSO board members. I liken this experience to prospecting. You can mine information from the various sources available, and take away many nuggets pertinent to your specific needs. Where else can you find such lode bearing veins in close proximity to each other?

I look forward to seeing you at the conference in Eugene. I've been doing this for more than 40 years and I come away from every conference enriched in some way. You can too! ◊

*The views expressed herein are mine and mine alone and in no way should be construed as representing ANY opinions shared by our membership or a stance on political issues by this organization.*



# Time to Combine Our Energy in Eugene this January, 20–22



■ *Aimee McAuliffe, PLSO Exec. Secretary*

**S**un Tzu wrote in “The Art of War” that great results can be achieved with small forces. The famous general and philosopher explains that combined energy demands less of each individual when a momentum of strength is created. This philosophy applies perfectly to PLSO membership and attending the 2016 Conference—Measure of Tomorrow—in Eugene on January 20–22, 2016.

Being active in PLSO, whether it’s volunteering your expertise and time or attending chapter events and the Annual Conference, makes our profession strong. Sometimes it’s difficult to understand the value of membership or tempting to find other opportunities that offer PDHs. I understand. Even nonprofit professionals struggle with membership dues for their own associations and time management for involvement. However, it is exactly this division that weakens our forces.

“Measure of Tomorrow” is about being ready. We have a lot ahead of us. School programs are shrinking. Technology is increasing. Our workforce needs to be prepared. Strategic planning requires maneuvering our forces, holding hands with allies, surviving the terrain and not depleting our resources. Help us combine our energy to increase our strength. Together we can shape our future closer to what we want.

So, help make our community stronger—save the date and register for the Conference. The Hilton Eugene is a great property and offering discount hotel rates starting at \$119. Simply call 541-342-2000 and say you’re attending the PLSO conference. Check out the scheduled online and circle which classes you’re interested in. Be a part of shaping the measure of tomorrow.

I look forward to seeing you all in Eugene this January! ◦

## Four Ways to Strengthen our Forces this January as described through “The Art of War.”

**1** *“Security against defeat implies defensive tactics; ability to defeat the enemy means taking the offensive.”*

Join your colleagues! Register for the PLSO Conference. Discount pricing is available through December 31 at [www.plso.org/2016Conference](http://www.plso.org/2016Conference).

**2** *“What enables...the good general to strike and conquer, and achieve things beyond the reach of ordinary men, is FOREKNOWLEDGE.”*

Educate yourself. Attend seminars and ask questions. No matter how long you’ve been in business, there is always a nugget of gold to be found. The conference provides 40-plus classes over a span of three days in one place—each offering PDHs. Take advantage.

**3** *“We can form a single united body, while the enemy must split up into fractions. Hence there will be a whole pitted against separate parts of a whole, which means that we shall be many to the enemy’s few.”*

Attend the Annual Meeting Luncheon on Thursday. Learn what PLSO has been up to through its volunteer leadership. Have an idea to make our forces stronger? Great! We’ll have an open mic this year. By working together, instead of dividing our opinions through argument, we can achieve more things.

**4** *“The general...whose only thought is to protect his country and do good service for his sovereign, is the jewel of the kingdom.”*

Ensure the future of our profession. Attend and support the Education & Outreach Auction Dinner. Want to raise money for scholarships? Think we should focus on community outreach? So do we! Support both of these endeavors simply by having fun. Bid on creative auction items like the “wines of the world” donated by the PLSO Board of Directors. Better yet, donate something fun for your professional colleagues to get in a bidding war over. ◦



# The Art of War

by Sun Tzu

"There are not more than five musical notes, yet the combinations of these five give rise to more melodies than can ever be heard.

There are not more than five primary colors, yet in combination they produce more hues than can ever been seen.

There are not more than five cardinal tastes, yet combinations of them yield more flavors than can ever be tasted."

*For the musically illiterate among us, Sun Tzu was referring to the Pentatonic Scale in music which consists of only five notes (C, D, F, G, A) and is the scale used in China, Sun Tzu's birthplace. This is contrary to the familiar Heptatonic Scale which consists of seven primary notes (C, D, E, F, G, A, B).*

## Join PLSO or Renew Your Membership!

PLSO is the only organization that exclusively represents the interests and serves the needs of land surveyors, especially in Oregon.



Go to our website [www.PLSO.org](http://www.PLSO.org)



**Q:** What's just as important to a surveyor as technical accuracy?

**A:** Quality professional liability insurance to cover potential inaccuracy

YOU WOULDN'T STEP FOOT IN THE FIELD WITHOUT COMPLETE CONFIDENCE IN THE QUALITY OF YOUR EQUIPMENT, AND YOU SHOULDN'T START ANOTHER JOB WITHOUT VERIFYING THAT YOUR FIRM IS PROPERLY INSURED.

Join the hundreds of Engineers and Land Surveyors in Oregon that rely on Hall & Company to serve their Professional Liability insurance needs. These firms don't just get an insurance policy, they get a personal insurance consultant who is specially trained to serve the unique needs of surveying firms.

### Value of working with Hall & Company:

- More than 25 years of experience in professional liability insurance
- Specialized service to land surveyors
- Direct access to 25+ insurance companies with financial ratings of "A" or better
- Dedicated programs for small and start-up surveying firms
- All commercial policies available
- Complimentary loss prevention education webinars
- 24/7 on-the-spot production of insurance certificates



HALL & COMPANY

For more information call 800-597-2612  
[www.hallandcompany.com/surveyor-eando-insurance.php](http://www.hallandcompany.com/surveyor-eando-insurance.php)

# Accomplishments



■ *John Thatcher, PLS; 2015 State Chair*

This column summarizes the activities and accomplishments of PLSO in 2015 as they relate to the four initiatives of the Strategic Plan:

- Membership**
- Education and Outreach**
- Advance Legislative Agenda**
- Fiscal Responsibility**

## Membership

Membership Committee Chair:  
Gary Anderson

As of the beginning of November, total membership stood at 476. This includes all five categories of membership. With 496 renewed as of this time last year, we stand at 96% of the 2014–2015 cycle.

The Membership Committee, chaired by Gary Anderson, has been active and engaged in 2015 and has held meetings by teleconference on a regular basis.

In the effort to encourage and increase member renewals, chapter leaders were tasked with contacting non-renewed members by phone. Updated non-renewal lists, sorted by chapters, were prepared and sent out by the PLSO office. Phone calls are just one piece of a campaign that also includes web, email and direct mail.

The Membership Committee continues to develop incentives and perks for members. A current PLSO program to benefit members and their families is a prescription drug card and discount purchasing card to Office Depot. Both cards are downloadable from the PLSO website. The drug discount can be as high as 75% and averages around 30%. It can be used as your primary plan and/or be used for drugs not covered by your insurance. Office Depot discounts are received online and in the store. It

also includes printing services. For members located in more rural areas or not near an Office Depot, the website offers free shipping for orders over \$50. Additional programs are being researched. Automatic membership in NSPS gives members discounts on insurance programs, car rentals and tire & wheel purchases.

The PLSO website is always improving. Some of the newer features are pages for job listings and equipment sales; Find a Surveyor; *The Oregon Surveyor* in digital format; Member Resources e-binder; and chapter pages.

**Initiative:** Recruit and retain Associate Members. This initiative needs to go to the top of the list, given the aging of the surveying community. Associates are the future professionals and the future leaders who will take PLSO through the 21st century. I believe 2016 should be a year of focusing on and developing this initiative. A great starting place is the nascent Young Surveyors of Oregon.

## Education and Outreach

Education and Outreach Committee Chair:  
Lee Spurgeon

**TrigStar** continues to be a program to get the word out to young people about a cool career opportunity. In 2015, PLSO members proctored the TrigStar test in nine schools. The Oregon state test winner was Zhongxu “Zac” Chen from Valley Catholic High School in Beaverton.

In 2015, various members participated in outreach activities. Umpqua Chapter members attended Explore Engineering and Surveying Evening in Roseburg; Pioneer members represented PLSO in the NW Youth Careers Expo; Willamette Chapter served at a handful of career fairs and 4H events.

PLSO is leading the effort to name a new park in the Tualatin Valley Parks & Recreation District (TVPRD) after William Ives, the original GLO surveyor who surveyed the Willamette Baseline and established a quarter corner lying on the south boundary of the park. The corner in question is the quarter corner common to Section 34, T.1N., R.1W. and Section 3, T.1S., R.1W, set June 15, 1851.

**Twist:** The five-day Twist Program, given annually in June at Clark College, instructs teachers about geospatial technology and gives them knowledge and tools to take back into the classroom and teach young students. In 2015, PLSO sponsored three Oregon Teachers. NCEES again offered a matching grant to fund half of the teachers’ expenses, allowing PLSO and the other participating state societies to sponsor teachers at a bargain rate.

## Outreach and Scholarship

**Auction:** The 2015 auction netted \$7,414. By vote of the PLSO Board, the \$2,135 that was designated for scholarships was deposited into the OCF fund, and the remaining \$5,279 was applied to the Education & Outreach budget. The OCF scholarship fund holds more than a quarter million dollars and produced \$12,160 in dividends available for scholarships. \$12,000 was awarded in scholarships in 2015. Scholarship Chair is Ben Stacy.

**Initiative:** Promote Survey Programs in area colleges. I am sad to report that the survey program at Clark College has been cut. Current students will be able to finish their studies, but no new students will be taken in, and the program will



terminate when the last student graduates. When we first learned of the possible cut, I wrote a letter on behalf of PLSO to the college president advocating for the program; but the economics were the deciding factor. In happier news, Pioneer chapter member Tony Brooks has taken on the vacant teaching position in the survey program at Chemeketa College.

**PLSO Foundation:** After the sudden and tragic death of Foundation champion Sue Newstetter, Aimee McAuliffe, PLSO Exec. Secretary, and I met with a lawyer who specializes in nonprofits to get some insight into how to move forward (or if to move forward). Since a PLSO Foundation would not be for the purpose of scholarships (due to the large amount of money already invested in the OCF fund), the PLSO board is in the midst of researching options.

A presentation by OCF board member Annie Donnelly is part of that research. But the fundamental question remains whether the foundation would have a purpose or purposes other than scholarships strong enough to justify the expense and high maintenance required.

### Advance Legislative Agenda

Legislative Committee Chair: Dave Williams  
PLSO Lobbyist Darrell Fuller continues to monitor the legislature in Salem for issues that may impact the profession, work closely with the Legislative Committee and the PLSO office, submit legislative updates for distribution to PLSO members, and schedule a seminar during the conference. It has been a relatively quiet year for PLSO legislative issues. No burning issues requiring legislation have been identified this year. However, two issues came up in 2015 that PLSO acted upon:

- In the Spring, Fuller alerted PLSO to a request by International Union of Operating Engineers/Local 70 to the Oregon Bureau of Labor & Industry (BOLI) to revise the Construction Site Survey Party Chief designation

to bring it under BOLI's sub classification "Power Equipment Operator" and thus subject to Prevailing Wage. After doing research with other state societies and with American Council of Engineering Companies (ACEC) and DEA, PLSO decided to oppose the proposal. Feedback was received from surveyors on both sides of the issue. A meeting attended by parties on both sides of the issue was held to discuss outstanding issues and provide additional information, and ultimately the BOLI Commissioner approved the proposal. It becomes effective January 1, 2016.

- Hydrography: OSBEELS initiated Senate Bill 297 to revise registration qualifications for engineers, land surveyors and photogrammetrists. An amendment, A4, was proposed by ACEC to require all hydrographic surveys to be conducted by professional land surveyors or engineers. At first, PLSO supported the amendment but later withdrew that support. Rep. Paul Holvey, Chair of the house Business & Labor Committee did not support A4, but agreed to a meeting of stakeholders. The meeting was held in Salem on October 1 and was attended by Dave Williams, Lee Spurgeon, John Thatcher and Darrell Fuller. Details were published in the PLSO Oct. E-news. Suffice it to say, there will be more to come, and PLSO will remain involved.

### Fiscal Responsibility

PLSO Budget Chair: Gary Johnston

In light of the projected shortfall of \$7,000 in the 2015 budget (due mainly by disappointing proceeds from the conference), steps are being taken to minimize operating expenses, to eliminate some conference expenses that won't impact the quality of the conference, and to increase membership renewal. Steps taken are:

- Aimee McAuliffe has changed the bank account to reduce fees and changed telephone packages to reflect actual usage more accurately. The web server was paid in advance to save money in the long run.
- Following the example of LSAW, it has been proposed to eliminate the live auction in 2016 and have a silent auction only. In addition, the PLSO board will donate an auction item, and the chapters have been encouraged to do the same.
- Sponsorships are being sold for the 2016 conference.
- The PLSO Executive Committee will continue to encourage the chapters to hold workshops.

As described above, the chapters have been tasked throughout the year with contacting non-renewed members and getting them renewed.

### Conclusion

This is my last column as PLSO Chair. I feel privileged to have been entrusted with this position, and I will continue to serve on the board through 2016 as Past Chair.

The greatest reward for me this past year wasn't scoring the President's Suite at the 2015 conference. Rather it was working with our chapter officers and committee chairs, Aimee McAuliffe, Darrell Fuller, Lisa Switalla, and all the great WESTFED people.

It would give me great pleasure to see the Young Surveyors Network of Oregon grow, thrive and develop young leaders to take PLSO through the next quarter century. I am retiring in 2016, and I plan to stay healthy so I can see that happen—perhaps even help it happen. While all organizations need to tap into the experience and wisdom of their elders, they also need the energy, drive and fresh ideas of their youngsters.

As we say at the motorcycle shop, "See you on the road" (although sometimes we say, "You want *how much* for that?"). ☺

## National Society of Professional Surveyors

# Fall Business Meeting Summary

■ *Bob Neathamer, NSPS Oregon Director*

The NSPS Fall Business Meeting was held during the week of October 6–10, 2015, in Sandusky, Ohio at the Kalahari Resorts & Conventions. The following is a list of initiatives and observations from the meeting:

- The ALTA/NSPS Standards have been approved by both organizations and the new standards will be effective February 23, 2016. This adoption date was selected to honor the anniversary of the Roman God Terminus, protector of boundary markers!
- NSPS will prepare a position statement on U.A.S. (unmanned aircraft systems) regulations and operations. We've also signed on with other mapping organizations in crafting a letter to urge the F.A.A. to codify, in a more urgent manner, the government's regulations for operating this technology.
- The Young Surveyors group had a productive meeting and has started thinking about bylaws, sub committees and addressing tasks that many have offered up for them to consider. Approximately 11 of them attended the Board of Directors meeting on Friday. Oregon's young surveyor, Chris Glantz, was in attendance.
- We intend to broaden the awareness of the Young Surveyors and our National Society at educational institutions across the country by inviting a student to attend our meetings and write a short review that will be shared with all surveying programs. The program will be administered by the Young Surveyors and funded through NSPS Board of Director donations. We intend to have a student in attendance at the 2017 spring meeting.
- Our president, Jon Warren, and president-elect Tony Cavell, have each made a significant effort to re-align our committees and offer specific charges for these committees to work on.
- The Director from Alaska requested support regarding the setting of monuments by the BLM when creating Townships that would be further subdivided and sold by the State of Alaska. BLM is proposing subdivision of open lands in Alaska with coordinates and no monuments. BLM referred to the process as "bearing trees in the sky!" NSPS Government Affairs Committee will review and comment on the matter.
- Certified Survey Technicians (CSTs) at all levels and existing membership can have their annual certification fee waived by maintaining a membership in NSPS.
- The NSPS Joint Government Affairs Committee shoulders a great deal of responsibility in representing surveyors across the nation on Capitol Hill. Please review their report for the many tasks and/or accomplishments they have had over the last six months. Mr. Pat Smith, Chair of the Committee, requested direction from the Board of Directors on the following matters:
  - ◆ NSPS will provide a position statement on the PHMSA (Pipeline Hazardous Materials Safety Agency) Proposed Rule which contains a number of references to surveying and mapping- and provide a standardized position to our state affiliates
  - ◆ NSPS will provide a position statement to the House Financial Services Committee which is considering modifications to the National Flood Insurance Program (NFIP), either to implement an improved working process or privatize the effort
  - ◆ NSPS supports the addition of the Small Business Administration (SBA) to Federal Acquisition Regulation (FAR) Council- given that many small businesses are effected by FAR regulations.
- During the meeting, Curt Sumner presented to the Board the issue with Hydrographers request in Oregon to be exempt or receive a special license to practice surveying without meeting the minimum qualifications or being examined. The majority response from the directors in attendance was what Hydrographers in Oregon are requesting is the practice of land surveying. NSPS Joint Government Affairs Committee is prepared to assist the Oregon membership with this issue if PLSO requests their assistance.
- The NSPS 100% Membership Program has been very successful. We currently have 47 states and the District of Columbia participating, just under 17,000 members, and continue to offer our help to those still considering the program.
- We continue to collaborate with NGS and participate in quarterly meetings on various initiatives
- We are designated by ABET as the Lead Society among its professional organization members for evaluating Surveying Programs seeking either initial accreditation, or renewed accreditation. Currently, NSPS evaluates 31 such programs.

» continues on page 15

# Off to the Emerald City we go!

■ *Jered McGrath, PLS, PLSO Conference Chair*

Comfort, familiarity and good past experiences are just some of the things we all look for to guide our day to day routines. When we drift away from that comfort or familiarity we tend to proceed cautiously all the while looking in the rearview mirror of life for the hindsight to creep up. In many cases the hindsight only shows up to tell us that we made the right decision and without that decision we would have never been able to create positive new experiences.

This year's conference is stepping away from the comfort and familiarity of the Salem Conference Center to return to the Emerald City of Eugene. Here we will be graciously hosted by the Hilton Hotel and Resort and some members will recall that this isn't the first time the PLSO has held a conference there. I am reminded by those PLSO members with a lot more grey hairs than I, that we were at the Hilton many moons ago and that change is a good thing every once in a while. We on the conference committee feel the same way and would like to present to you, our members, another outstanding lineup of both new and familiar presentations.

We have had the schedule online since early November and hope that you have had a chance to review the great topics that will be presented. We are bringing back John Stahl as one of our headliners and many will remember seeing John speak at our 2010 or 2012 conferences. Personally, I first stumbled into a John Stahl Class in 2008 at the ACSM national conference in Spokane, and what I took with me from that single class still affects my approach to surveying today. Not only do I have a great stack of reference materials and court citations that I can refer to; but have a better understanding of owners' rights, monuments, reliance on those monuments and methods to help landowners resolve their disputes. Have you ever switched out of your surveyors hat and put on the mediator hat to help your client mitigate a tricky boundary situation? If not maybe you should try and pencil in one of John's classes this year.

If you have followed along with recent rule changes from the Oregon Bureau of Labor and Industry (BOLI) than you know that a "Construction Site Survey Party Chief" definition was added as a job classification that is subject to prevailing wage under the Power Equipment Operator, Group 2. Contracts subject to prevailing wage

rates moving forward from January 1st will follow these new rules and classifications. You may ask yourself, what is a Power Equipment Operator group and how does it affect my work? To get the best answer to that question you should plan on attending Susan Wooley's presentation from BOLI. Her bio is on the conference website and she will be here to *help* us with questions we may have related to this change.

These foregoing examples represent just two of the great presenters we have for this year's conference. There are countless reasons why each of you may want to sit in one class over another and I hope that you all are planning on taking a small break from the chaos of work to reinvest in yourself and your career. We on the conference committee are continually trying to look into the crystal ball of class scheduling and pull together a lineup of classes that provide powerful content, relevant continuing education, jurisdictional updates and repeatability. We hope that once again each of you will be able to take away from this year's conference some continuing education to improve your practice, streamline your workflows, increase your network awareness, and provide you an opportunity to do what we all love to do at conferences...just shoot the \$!#% and catch up with those likeminded individuals that you may only get to see once a year.

On a closing operations note, we will have final conference schedules printed at the front registration desk this year like we did last year. They will contain the latest schedule of events that may incorporate some last minute changes due to speaker conflicts that seem to always arise. It really helps us out tremendously from a printing standpoint if you can keep just one program throughout the conference and not grab a new one each day. If you do happen to forget yours at home please feel free to come get another. If you are planning on attending I encourage you to not only spend the night in Eugene but to stick around for the Auction Dinner and live entertainment we have coordinated with fellow PLSO member Chris Sherby and his band, who will provide some great music before and after the dinner. Finally I hope that the year has been good to us all and our industry as a whole and I really hope to catch up with many of you at the conference. Like minded or not. Cheers. ◊

Register at: [www.plso.org/2016Conference](http://www.plso.org/2016Conference)

# Speakers and Seminars

This information was current as of December 4, 2015. Schedule and/or speakers are subject to change.

## WEDNESDAY

8:00–9:30 am

### ODOT—Digital Signatures

#### BLM—PLSS Principles

SPEAKERS: **Kyle Hensley, Aaron Graham**

This workshop will explore the mechanics of the PLSS, and guidance found in the *2009 Manual of Surveying Instructions*, with emphasis on interpreting the original survey plats as they pertain to the subdivision of sections, dealing with completion surveys, Jr./Sr. corner situations, fractional sections, local points of control and the restoration of lost corners.

#### Drones. A Dirty Word or the Next Tool in the Geospatial Arsenal?

SPEAKER: **Chris Aldridge**

#### Surveyor's Role in Conflict Resolution

SPEAKER: **John Stahl**

10:00–11:30 am

#### Oregon's Prevailing Wage Rate Law

SPEAKER: **Susan Wooley, BOLI**

This workshop will address the requirement to pay employees the appropriate prevailing wage rates on public works projects, and will also provide information on the other responsibilities employers have when working on public works projects, including public works bond requirements, daily and weekend overtime requirements, and how to correctly complete certified payroll report forms. Reference materials will be provided.

#### BLM—PLSS Principles (CONT.)

SPEAKER: **Kyle Hensley, Aaron Graham**

#### Working Safely Within Transportation Rights-of-Way

SPEAKER: **Dayvid Artman, Robert Snyder**

#### Surveyor's Role in Conflict Resolution (CONT.)

SPEAKER: **John Stahl**

1:00–2:30 pm

#### The Original Survey of the International Boundary: Summit of the Rocky Mountains to the Gulf of Georgia

SPEAKER: **Denny DeMeyer**

Follow the activities of the Joint U.S & British Boundary Commissions to mark the boundary between 1857 and 1862.

You will learn about the chief players on both commissions and follow in the footsteps of the chief astronomers and surveyors, surveyors and assistant surveyors in their efforts to establish the astronomic 49th Parallel of North Latitude. Denny will explain their surveying methods using Zenith Telescopes, Meridian Transits, chronometers and other surveying equipment, while traversing some of the most inhospitable terrain in North America. Information presented has been gathered from State and National Archives, Library of Congress, BC Provincial Museum and England. Denny has spent over 30 years researching official reports, journals, diaries, photos, pictures and letters home by both the U.S. and British participants. We will also touch upon the retracement of the boundary by a joint Canada–U.S. Commission between 1901 and 1908 and problems with the international boundary today.

#### Appropriate Uses of Digital Information

SPEAKER: **Frank Mifsud**

#### Drones. A Dirty Word or the Next Tool in the Geospatial Arsenal? (REPEAT)

SPEAKER: **Chris Aldridge**

#### Surveyor's Role in Mediation

SPEAKER: **John Stahl**

#### Vendor Talks

1:00–1:30 pm **Geoline** | 1:45–2:30 pm **Carlson Software**

3:00–4:30 pm

#### Preparing for Geologic Hazards in Oregon

SPEAKER: **Althea Rizzo**

While most people know that California gets frequent earthquakes, they may not know that Oregon is at risk from very large earthquakes. These earthquakes on the Cascadia Subduction Zone can be over 9.0 magnitude and have a region-wide impact. Learning how to prepare and protect your family, home and business starts by attending this free presentation. Being able to recover quickly from a catastrophic event is a choice that needs to be made before the event. Dr. Althea Rizzo is the Geological Hazard Program Coordinator at the Oregon Office of Emergency Management.

#### Surveyor's Role in Mediation (CONT.)

SPEAKER: **John Stahl**

#### Vendor Talks

3:00–3:30 pm **Geoterra**

**THURSDAY****8:00–9:30 am****Recent Updates to the NFIP**SPEAKER: **Christine Shirley****Title Insurance and Endorsements**SPEAKER: **Alan Brickley****Surveyor Liability: Statutory and Case Law**SPEAKER: **Earl Morris****Remedies to Resolve Property Line Problems**SPEAKER: **John Stahl****High School Program****10:00–11:30 am****An Intro to Water Rights in Oregon**SPEAKER: **Gerry Clark**

Interested in becoming a Certified Water Right Examiner or need a refresher on water rights? This session covers water rights and includes the application for permit process, claims of beneficial use, and transfers. In addition, resources available on the department's web site will be discussed.

**Hydrographic Surveying:****Overview and Current Licensing Requirements**SPEAKERS: **Mike Stecher, Jason Magalan**

Hydrographic surveying is a rapidly growing field of surveying and mapping that encompasses underwater remote sensing techniques. Examples include bathymetric surveying, side-scan sonar mapping, sub-bottom profiling, acoustic current measurements, acoustic scanning and geomagnetic sensing. Purposes include bottom elevation mapping, seafloor imaging, object detection, charting, benthic habitat assessment, structure evaluation and sub-surface sediment conditions. Each measurement technique has benefitted in recent decades from rapid technological advancements in sensing and positioning, requiring operators to remain proficient in a fast-growing field. This presentation will, first, explore the traditional measurements and techniques that are often included in traditional hydrographic and marine geophysical surveying operations. Subsequently, a summary of ongoing conversations will be presented that will describe the current state of professional licensure, and where hydrographers fit within the realm of professional land surveyors and engineers.

**Legal Descriptions: Statutory and Case Law**SPEAKER: **Earl Morriss****Remedies to Resolve Property Line Problems (CONT.)**SPEAKER: **John Stahl****High School Program****1:00–2:30 pm****Tips and Hints for Preparing Claims of Beneficial Use**SPEAKER: **Gerry Clark**

This session, will specifically discuss tips and pitfalls related to the preparation of Claims of Beneficial Use reports and maps for both permits and transfers.

**Legislative Update**SPEAKER: **Darrell Fuller****What is the OLC and What do They do with LiDAR?**SPEAKERS: **Jacob Edwards, Bill Burns****Understanding Surveys, Descriptions and Plats**SPEAKER: **John Stahl****High School Program****3:00–4:30 pm****The Original Survey of the International Boundary: Summit of the Rocky Mountains to the Gulf of Georgia**SPEAKER: **Denny DeMeyer***See description on page 10.***How I Became a Rogue Lawyer:****Ownership and Boundary Issues on the Rogue River**SPEAKER: **Jeanie Bricker**

The Oregon Court of Appeals decided *Hardy v. State Land Board* in October 2015, concluding that the Rogue River is navigable and state-owned downstream from Lost Creek Dam. Bricker represents the petitioners, landowners who challenged the state's assertion of ownership. Jennie will give the backstory behind this litigation and provide an overview of the legal issues affecting ownership of submerged and submersible lands in Oregon.

**Height Modernization Surveys with OPUS—Projects and Atmospheric Effects on GNSS Positioning**SPEAKERS: **Dan Gillins, Jihye Park**

In 2014, NGS released a web-based tool named OPUS—Projects for processing multiple static GPS observations involving multiple marks. This seminar presents an empirical research study on the accuracy of OPUS-Projects and compares its results with results obtained using Trimble Business Center (TBC). It discusses best practices for processing GPS data in OPUS-Projects and shows how OPUS-Projects can be implemented for modernizing heights on dozens of benchmarks to a vertical accuracy of 2 cm or less at the 95% confidence level. Although it is possible to obtain centimeter-level accuracy with GNSS, this seminar will also show that abnormal ionospheric behaviors, such as ionospheric scintillation at low/high latitudes or strong ionospheric gradient, can significantly degrade GNSS positioning capabilities. It then presents a strategy for mitigating error in severe ionospheric environments.

» continues on page 12



## THURSDAY

### Understanding Surveys, Descriptions and Plats (CONT.)

SPEAKER: **John Stahl**

### High School Program

## FRIDAY

---

8:00–9:30 am

### OSBEELS—Renewals/Audits

#### BPA Update

SPEAKER: **Kelly Miller**

#### BLM—PLSS Principles

SPEAKER: **Kyle Hensley, Aaron Graham**

#### BLA & Adverse Possession

SPEAKER: **Alan Brickley**

#### Surveying with Solar Instruments

SPEAKER: **Tim Kent**

#### A Surveyor's Role in Search and Rescue

---

10:00–11:30 am

### OSBEELS—Law Enforcement

#### “Surveying for the Birds”—Control Networks and Boundary Maintenance on National Wildlife Refuges

SPEAKER: **David Hills**

The mission of the U.S. Fish and Wildlife Service is working with others to conserve, protect and enhance fish, wildlife and plants and their habitats for the continuing benefit of the American people. Professionals and surveyors support that mission by providing a spatial reference frame for scientists and wildlife managers and by maintaining the boundaries of National Wildlife Refuges. In this presentation, I will focus on control networks and mapping projects that have been carried out on Refuges in Oregon and Idaho. Also I will describe the destruction of fences and boundary evidence at Malheur National Wildlife Refuge in Burns, and how land surveyors are helping to protect the Refuge's resources.

#### BLM—PLSS Principles (CONT.)

#### NGS Update

SPEAKER: **Mark Armstrong**

This presentation has three parts:

1. Update to the Oregon Coordinate Reference System (OCRS) and the addition of projection zones to cover eastern Oregon.

2. Update on GRAV-D (Gravity for the Redefinition of the American Vertical Datum) and its role in defining the new vertical datum by 2022. The geoid that will help define the new datum will be based on gravity data from existing satellite, terrestrial, and marine gravity sources and the new GRAV-0 airborne gravity data.
3. General NGS update on progress toward the new geodetic reference frame slated for 2022.

### Certified Surveying Technician Program

SPEAKER: **Tim Kent**

### Surveying for Stream Restoration Design

SPEAKER: **Russ Lawrence**

---

1:00–2:30 pm

### Narratives

SPEAKER: **Scott Fein**

### Expanding Your Boundaries Through Outreach

SPEAKER: **Jamey Montoya**

Our industry suffers from an identity problem. Not enough people understand what we do and why or how we do it. Mr. Montoya will talk about how he has pushed his boundaries and been successful at reaching out to the public, to clients, students and even local businesses to increase awareness of the surveying profession and improve his business.

### BLA & Adverse Possession (REPEAT)

SPEAKER: **Alan Brickley**

### Certified Surveying Technician Level 1 Exam

SPEAKER: **Tim Kent**

### Windows 10

SPEAKER: **Wendell Harness, Harness Technology**

### OGUG—Oregon GPS Users Group

---

3:00–4:30 pm

### Certified Surveying Technician Level 1 Exam (CONT.)

SPEAKER: **Tim Kent**

### Oregon Land Use Law Case Studies

SPEAKER: **Bill Kloos**

### Google Analytics

SPEAKER: **Wendell Harness, Harness Technology**

### OGUG—Oregon GPS Users Group (CONT.)

Register at: [www.piso.org/2016Conference](http://www.piso.org/2016Conference)

*This information was current as of December 4, 2015. Schedule and/or speakers are subject to change.*



# Annual MAP CONTEST

January 20–22, 2016

Hilton Eugene  
66 E 6th Avenue  
Eugene, Oregon

*Come One, Come All!*

**Submit your maps  
for a friendly contest!**

Each year PLSO holds a map contest at its Annual Conference. Show us your skills in Eugene this January for a friendly competition among surveyors. All entries will be displayed at the 2016 Conference. Winners will receive bragging rights and prizes as follows:

### Prizes awarded to the top three (3) entries in each contest.

Last year's winner(s) not eligible

**FIRST PRIZE** One FULL admission to the 2017 Annual PLSO Conference

**SECOND PRIZE** \$200 gift card • **THIRD PRIZE** \$100 gift card

## Contest Guidelines

### Types of maps that may be submitted

- Record of Survey
- ALTA
- Exhibit
- 3-D Model
- Subdivision & condominium
- Topographic
- Public Land

### Submissions

Please submit one rolled paper copy.

- Maximum size 24" x 36".
- No identifying name, stamp or firm name to be included on the map.
- Title and Narrative must be included (noted for out of state entries).

All entries will not be returned.

Limit: Three maps (four-sheet max) per firm.

### How to enter

Maps must be received by **5 pm, Friday, January 15, 2016.**

Complete the entry form below and mail it with your map(s) to:

PLSO Survey Map Contest, PO Box 230548, Tigard, OR 97281

NAME	
COMPANY	
ADDRESS	
CITY, STATE, ZIP	
PHONE	EMAIL

# PLSO Education and Outreach Auction

Entertainment added to PLSO Auction!

■ Gary Johnston, PLS

Entertainment is being added to PLSO's 2016 Education and Outreach Auction. The silent and live auctions will be part of the annual conference on Thursday, Jan. 21. Entertainment will be furnished by the band, Full Funkal Nerdity, from Portland. The band is led by fellow PLSO member Chris Sherby from the Pioneer Chapter. Music will be a mixture of different genres: 40's Jazz standards, Willie Nelson era Country, Eric Clapton, Steely Dan, Eagles, Blues... all done in a laid back, acoustic blues/jazz style.

Evening activities will begin immediately following Thursday class sessions. A three piece version of the band will play a variety of light background music during the social hour, silent auction and dinner. The silent auction, open throughout Thursday, will conclude in stages during dinner. The dinner will be followed by the live auction, which includes a limited number of specially selected items. The full seven-piece band will be providing a musical program after the auction conclusion.

Some notable donations being provided by chapters include: a gift basket containing wines from around the world donated by the PLSO Board; a custom PLSO spinning rod and reel from the Willamette Chapter; two framed prints from photos taken by Steve Ness presented by the Midwest Chapter; a gift basket with items produced in the Coos Bay area donated by the Southwest Chapter. Other chapters report they will also be making a group donation.

Individual donations have also been received or pledged. Extended member support is extremely important as it can provide a large variety of quality items. Examples of great donation ideas include: homemade craft items; outdoor gear; sporting goods; artwork; recreational packages; and gift baskets. Perhaps a local business would be willing to donate something or provide it at a discounted cost.

An auction donation form is available on the PLSO website and on page 20. Information can be entered online and then sent by email to the executive secretary at: [office@plso.org](mailto:office@plso.org). The new form also provides space to enter two donations on a single page. This will reduce the number of copies that some people may require when making multiple donations.

Donors are requested to refrain from sending heavily used and/or outdated survey equipment and supplies. Some such prior donations received little or no interest from bidders. If you have a question about a specific item, or about the auction, please contact Gary Johnston at [garyjohn@wildblue.net](mailto:garyjohn@wildblue.net). ☺

*Come see Full Funkal Nerdity  
play at the 2016 Education &  
Outreach Auction Dinner!*



## A snapshot of items donated in the past

- Steelhead Fishing Trip
- Pair of Blazer Tickets
- Framed Print of Covered Bridge
  - Baby Gift Basket
- Surveyors Bottled Bourbon Rum
  - Apple iPad mini
- 1950s Leupold Cruiser Compass
  - Pacific City Beach House
  - Original artwork

**See Auction Form on page 15**



- Our CST program has been a monumental success and has been run by several individuals for many years, and even decades. Their succession plans require them to look for individuals who are interested in serving on the CST Board and upholding the fine standard which has been set. Please consider this opportunity and contact President Warren if you are interested in this appointment.
- We had previously decided that an At-Large Director(s) would represent those NSPS members who did not belong to a 100% Membership state. Given that we are now down to three states who do not belong, we passed a motion whereby the Past President will provide representation to those individuals, albeit in a more cost effective manner.
- The NSPS Foundation has been instructed to rename the NSPS Board of Governors Scholarship to the NSPS Board of Directors Scholarship. The Board of Directors has agreed to continue providing personal funds at the conclusion of our meetings, as a means for funding this and the Trig-Star scholarship.
- The new website for NSPS should be rolled out this fall. There have been many improvements in appearance and functionality.

- CFeds would like NSPS to take over management of the entire program.
- Lightsquared is trying to get back in business.
- The Abraham Lincoln National Museum of Surveying and Bob Church would like to thank everyone who contributed to supporting the museum.
- The state banners are being given back to each state. During the meeting I received my 5 year service award.
- The NSPS Board of Directors approved pursuing the following meeting schedule:
  - 2016 Spring**—National Surveying and Mapping Conference, Alexandria, VA March 14–18. NSPS Business Meetings 17–18.
  - 2016 Fall**—Joint meeting with Western Federation of Professional Surveyors, Phoenix, AZ (pending).
  - 2017 Spring**—National Surveying and Mapping Conference (pending).
  - 2017 Fall**—Joint Meeting with Texas Society of Professional Surveyors (pending).

The information contained herein is what I believe would be of interest to Oregon surveyors. When available, the official meeting minutes may contain more information of interest to Oregon surveyors.

The NSPS staff did a great job in preparing for and administering this meeting. Many thanks to the NSPS staff for all of their efforts. ☺



## PLSO Education and Outreach Auction 2016 CONTRIBUTION FORM

Please return this form and send items (if not attending conference) to: PLSO, PO Box 230548, Tigard, OR 97281

DONOR/BUSINESS NAME	
CONTACT NAME	
STREET ADDRESS	
CITY, STATE, ZIP	
PHONE	EMAIL
DONATION ITEM	
DESCRIPTION	
FAIR MARKET VALUE	BIDDING RESTRICTIONS (if any)

# Things to Do in Eugene and Springfield

## ■ Travel Lane County

**T**ravel Lane County is excited to welcome PLSO to Eugene this year. While we understand you will be busy earning your continuing education credits, we wanted to make sure your guests had fun options to spend their day or convince you to

stay an extra day to see everything we have to offer! The Eugene-Springfield metropolitan area, located just off of Interstate 5, offers a multitude of activities and attractions. You can create your own tour as you select from the many choices.

### Skinner Butte

Within walking distance of downtown Eugene, Skinner Butte and the surrounding park offers a place to relax in the midst of the metro area. Stroll along the Willamette on the riverfront bike path, hike to the top of the butte for a spectacular view of Eugene or take a rest in the shady park. The past comes alive at the replica of Eugene and Mary Skinner's 1846 cabin, the first pioneer structure in the area. This new interpretive area coincided with the 150th anniversary of the Applegate Trail. *(Drive by or allow 30 minutes at the cabin)*

### Owen Rose Garden

This park along the Willamette River is home to over 4,500 varieties of summer blooming roses. The famous Black Republican Cherry tree is also in the garden. This tree dates back to 1860 and is the last surviving remnant of an early-day riverfront orchard. It is the largest cherry tree in Oregon and one of the largest in the United States. *(Allow 1 hour)*

### Lane County Historical Museum

Step back in time as you learn about the history of Oregon's settlement, including Oregon Trail artifacts. Period rooms, as well as vehicle displays from the covered wagons to the 1920s and 1930s await you at this fascinating museum. *(Allow 1 hour)*

### Jordan Schnitzer Museum of Art at the University of Oregon

As the largest state-supported art museum in Oregon, The Jordan Schnitzer Museum of Art at the University of Oregon welcomes visitors to a world-class museum. The museum houses over 12,500 works of art, with extensive Asian and Pacific Northwest collections. Guided tours available upon request. *(Allow 1½ hours)*

## US SURVEY SUPPLY

**Precision Measurement & Control Solutions**

**(866) US SURVEY (541) 347-5413**

---





**Buy a Carlson Robotic or RTK System by 1/29/16:  
Get 10% off MSRP –PLUS–  
1 Free Registration to the 3-Day Carlson User Conference  
in Las Vegas, Feb. 2016**

**\*Network Rover, 5% / 50% off**

---





**Buy a GeoMax Robotic or RTK System by 1/29/16:  
Get 15% off MSRP**

**\*Network Rover, 10% off**

---

Complete Robotic Systems Starting at \$23,995  
Complete RTK Systems Starting at \$17,495  
Full Inventory of NEW & USED INSTRUMENTS




**Our job is setting you up to do your job** | <http://ussurveysupply.com>





### University of Oregon Museum of Natural and Cultural History

Explore Oregon's geological past and 15,000 years of northwest cultural history at the newly remodeled University of Oregon Museum of Natural and Cultural History, which is home to the world's oldest pair of shoes. The newly expanded exhibition hall is filled with interactive displays about the geologic and human history of the Pacific Northwest. (Allow 1½ hours)

### Springfield Museum and Historic Springfield Interpretive Center

Sit on the official couch from the TV show "The Simpsons." The Simpsons creators have identified this Springfield as *the Springfield*. Stroll down the street to the Emerald Art Center to view a mural of Bart, Homer, Lisa, Marge and Maggie. Located in a 1911 Oregon Power Company substation in Springfield's historic downtown shopping and antique district, this interpretive center examines the area's rich history. The growth of the community from early settlement in 1849 to the 1920s is highlighted in the exhibits. The ground floor Springfield Museum hosts rotating displays ranging from antique dolls to quilts. (Allow 1 hour)

### Cascades Raptor Center

Come face to face with eagles, owls, hawks and falcons at this raptor rehabilitation center. More than 60 birds call the Cascades Raptor Center home. Located in the woods of South Eugene, the Raptor Center provides a unique opportunity to see these beautiful birds of prey up close and to learn more about them.

### Fifth Street Public Market

The historic Fifth Street Public Market is a colorful collection of shops, restaurants and galleries. Since 1976, the market has been the perfect place to meet friends for coffee, a delicious meal, or to shop in the local boutiques.

### Eugene Ale Trail

The Eugene Ale Trail spotlights our region's top breweries—like well-known breweries Ninkasi and McMenamens. Discover some of the smaller outlying brewers like Agrarian Ales (Coburg), Brewers Union Local 180 (Oakridge) and Hard Knocks (Cottage Grove). Download the Passport at [www.eugenecascadescoast.org/eugene-ale-trail/](http://www.eugenecascadescoast.org/eugene-ale-trail/).

### South Willamette Valley Wine Country

Less than 30 minutes from the Eugene metro area, discover more than a dozen distinct, award-winning wineries tucked in the scenic, rolling landscape of the South Willamette Valley.

### We look forward to your visit!

If you want any more information be sure to visit our web site at [www.eugenecascadescoast.org](http://www.eugenecascadescoast.org).

**Carlson**  
Carlson Software for Land Surveying  
CARLSON SOFTWARE | 102 West Second Street | Maysville, KY 41056 | 800-989-5028 (Toll Free) | [www.carlsonsw.com](http://www.carlsonsw.com)

**Desktop software**

**Mobile software**

**Hardware**

Come see what's new in Eugene, Oregon:  
**PLSO Conference**  
Eugene Hilton | January 20th - 22nd

# The Lost Surveyor

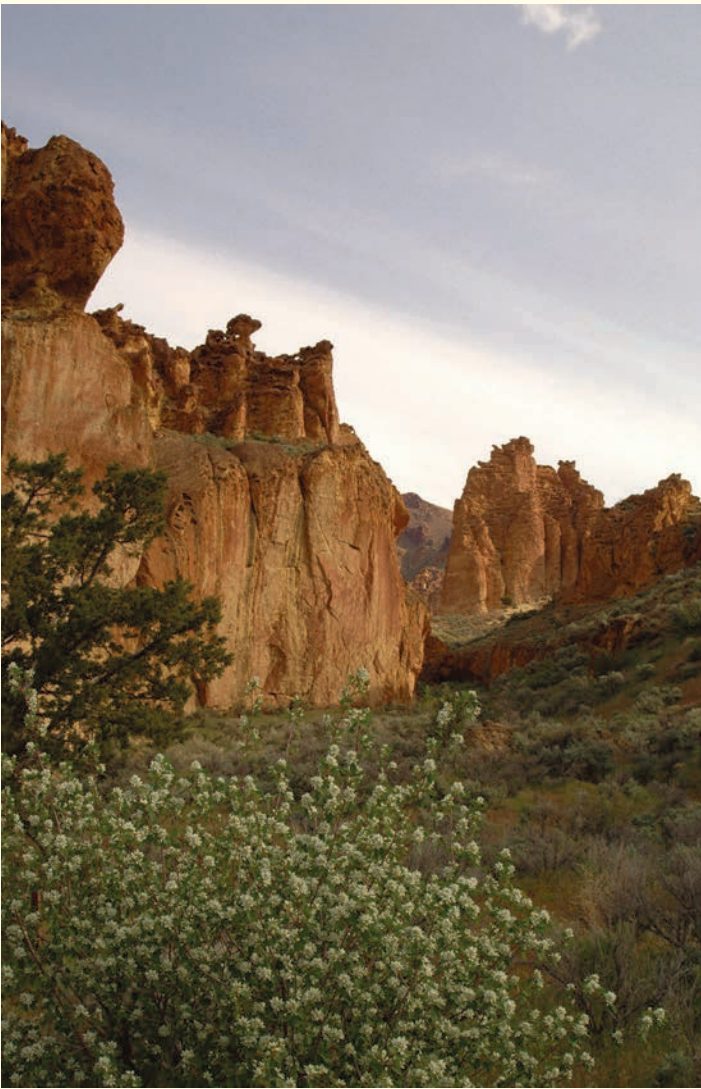
■ Pat Gaylord, PLS

Question: Can you name this unique southeastern Oregon location?

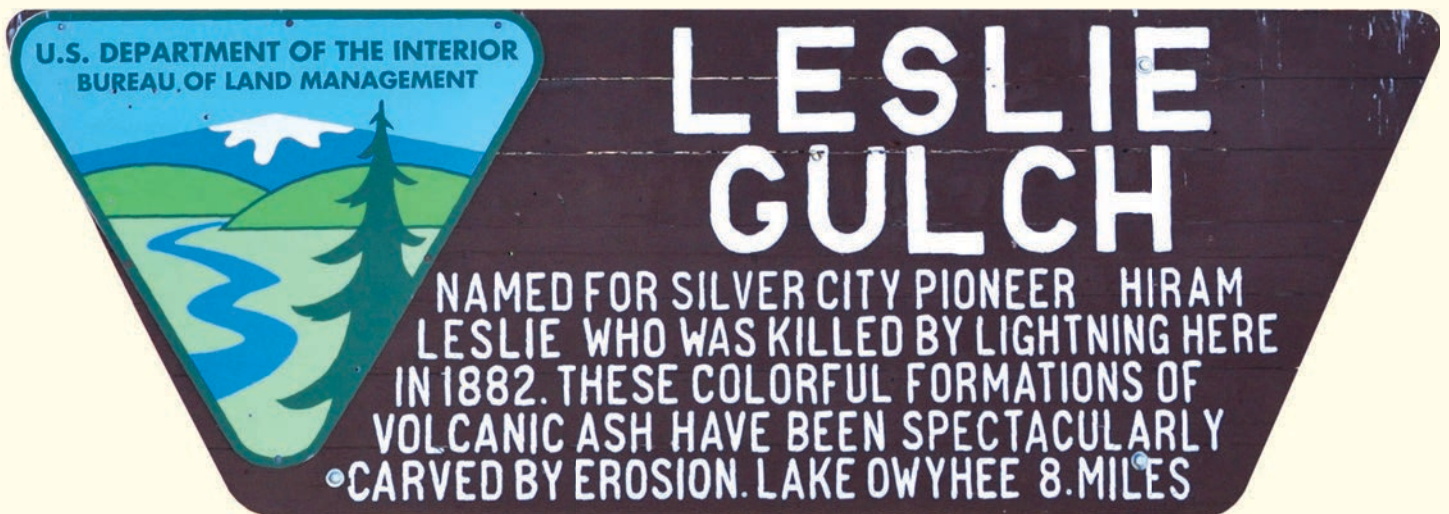


Answer: If you are looking for a road trip check out Leslie Gulch near Jordan Valley, Oregon.





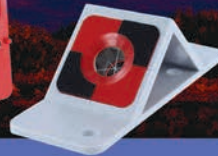
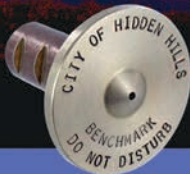
Its full of amazing colors and rock formations and the road through the area leads to a boat ramp on upper end of Owyhee Reservoir where you can camp and do a little fishing while you are there. This one is high on my list of favorite places in Oregon.



# SURVEY

## MARKING PRODUCTS

- SURVEY MARKERS & MONUMENTS
- CONCRETE MARKERS & DRILL BITS
- SURVEY NAILS & WASHERS
- REFLECTIVE TARGETS & PRISMS
- FLAGGING & WITNESS POSTS



# Berntsen®



**REQUEST A CATALOG**

877.686.8561



**FIND US ONLINE**

www.berntsen.com

**MARKING THE INFRASTRUCTURE OF THE WORLD™ | WWW.BERNTSEN.COM**

1.800.721.1916  
www.deainc.com



DAVID EVANS  
AND ASSOCIATES INC.

Surveying services for:

Energy  
Land Development  
Transportation  
Water Resources

Bend, Oregon  
Portland, Oregon  
Salem, Oregon

*Outstanding Professionals ... Outstanding Service*

## GeoTERRA AERIAL MAPPING SERVICES

**\*\*NEW\*\*NEW\*\*NEW\*\*NEW\*\*NEW\*\***

### Optech Galaxy Aerial LiDAR System

Lidar | Aerial Imagery | Orthophotography  
Feature Data Collection | DTM | Contours | TIN | GIS

www.GeoTerra.us  
541.343.8877

## HOFLAND SURVEY MONUMENTS

Pipe Monuments • Concrete Markers • Custom  
Stainless • Aluminum • Brass • Iron • Copper

RICHARD HOFLAND  
503.320.2685  
hoflandsurvey@earthlink.net

P.O. BOX 515  
145 W. MAIN STREET  
YAMHILL, OR 97148



Give your  
company a  
*fresh* look.

**LLM**  
PUBLICATIONS  
Where Publishing Comes To Life

503.445.2220  
800.647.1511  
www.llm.com



# 2015 PLSO Board & Committee Chairs

## CHAIR JOHN THATCHER

johnsue648@gmail.com

## CHAIR-ELECT LEE MYERS

leemyers@oregontrail.net

## PAST CHAIR LEE SPURGEON

503-656-4915 | lee@townshipsurveys.com

## EXECUTIVE SECRETARY AIMEE McAULIFFE

503-303-1472 | execdirector@plso.org  
www.linkedin.com/in/amcauliffe

## PLSO OFFICE

PO Box 230548

Tigard, OR 97281

PHONE 503-303-1472

TOLL FREE 844-284-5496

FAX 503-303-1472

EMAIL office@plso.org

WEB www.plso.org

## COMMITTEE CHAIRS

### ARCHIVES

Roger Galles, finditsol@aol.com

### AWARDS

John Voorheis,  
johnvoorheis@grantspass.com

### BYLAWS/CONSTITUTION

Brent Bacon, brent.bacon@eweb.org

### CONFERENCE (CO-CHAIRS)

Jered McGrath  
mcgrathjered@hotmail.com

Jason Martin

jason@tothepointls.com

### EDUCATIONAL GOALS & ACTIONS (EGAC)

Lee Spurgeon, lee@townshipsurveys.com

### FINANCIALS

Gary Johnston, garyjohn@wildblue.net

### GEOCACHE

Ryan Godsey, rgodsey@cesnw.com

### GPS USERS GROUP

Dave Wellman  
dave@wellmansurveying.com

### HISTORIAN

Paul Galli, gallip@co.cowlitz.wa.us

### LEGISLATIVE

Carl Sweeden  
cslandsurveying@douglasfast.net

### MEMBERSHIP

Gary Anderson  
ganderson@westlakeconsultants.com

### NSPS, OREGON GOVERNOR

Bob Neathamer, bob@neathamer.com

### DACES LIAISON

Scott Freshwaters  
sfreshwaters@chamberscable.com

### THE OREGON SURVEYOR

Greg Crites, gac@deainc.com

### PROFESSIONAL PRACTICES

Bob Neathamer, bob@neathamer.com

### SCHOLARSHIP

Ben Stacy, bstacy001@hotmail.com

### STRATEGIC PLAN

Gary Johnston, garyjohn@wildblue.net

### TRIG-STAR

Joe Ferguson, joe@flspx.com

### TWIST

Tim Kent, takent@comcast.net

### WESTFED

John Thatcher, johnsue648@gmail.com

## CHAPTER OFFICERS

<b>Central</b> <b>1</b>	President	Dave Williams	davew@hwa-inc.org
	President-elect	Brian Reeves	breeves@surveyingunlimited.com
	Secretary/Treasurer	Kevin Samuel	kevin_r_samuel@yahoo.com
<b>Mid-west</b> <b>2</b>	President	Dan Nelson	dann@branchengineering.com
	President-elect	Donn Rowe	donnrowe@msn.com
	Secretary/Treasurer	Brent Bacon	brent.bacon@eweb.org
<b>Pioneer</b> <b>3</b>	President	Jim Greenman	jimg@hrs-engrs.com
	President-elect	Mike Rademacher	miker@compass-landsurveyors.com
	Secretary/Treasurer	Al Hertel	info@chsurvey6150.com
<b>Rogue River</b> <b>4</b>	President	Herb Farber	herb@farbersurveying.com
	President-elect	John Voorheis	johnvoorheis@grantspass.com
	Secretary/Treasurer	Shawn Kampmann	shawn@polarissurvey.com
<b>South Central</b> <b>5</b>	President	Mason Marker	mason.marker@oit.edu
	President-elect	TBD	
	Secretary/Treasurer	Rhonda Costin	costin.rhonda@gmail.com
<b>Southwest</b> <b>6</b>	President	Derek Windham	emap@northbendcity.org
	President-elect	John Minor	johnminor@stuntzner.com
	Secretary/Treasurer	Jerry Estabrook	estabrooklandsurveying@yahoo.com
<b>Umpqua</b> <b>7</b>	President	Kris DeGroot	kdegroot@co.douglas.or.us
	President-elect	Brent Knapp	knapp@ieengineering.com
	Secretary/Treasurer	Dan Saily	dan.saily@lrtc.com
<b>Willamette</b> <b>8</b>	President	Colter Hessel	colterh@msn.com
	President-elect	Daren Cone	daren.l.cone@oregon.gov
	Secretary/Treasurer	Kyle Latimer	latimerky@gmail.com
<b>Blue Mountain</b> <b>9</b>	President	Rod Lewis	lewis.survey@frontier.com
	President-elect	TBD	
	Secretary/Treasurer	Lance King	lance@ck3llc.net

AFFILIATED WITH



Join us on Facebook: [Professional Land Surveyors of Oregon](#)



Join the PLSO group: [www.linkedin.com](http://www.linkedin.com)



Follow us at: [www.twitter.com/ORLandSurveyors](http://www.twitter.com/ORLandSurveyors)

The Oregon Surveyor  
PO Box 230548  
Tigard, OR 97281

PRSR STD  
US POSTAGE  
**PAID**  
SALEM OR  
PERMIT NO. 526

# Since 1927 we've

Called our customers  
**2,256,753** times

Sent  
**1,964,032** emails

Visited  
**534,721** offices

Hosted  
**3,417** events

Check out our survey  
solutions with the  
TOPCON DS Series.

 **TOPCON**

## Isn't it about time you called us?



[www.thePPIgroup.com](http://www.thePPIgroup.com) | (800) 247-1927

