Vol. 36, No. 4, 2013



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Diggin' the Past Setting the Future January 22–24, 2014

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THE OREGON SURVEYOR

Volume 36, No. 4, 2013

Professional Land Surveyors of Oregon

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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.

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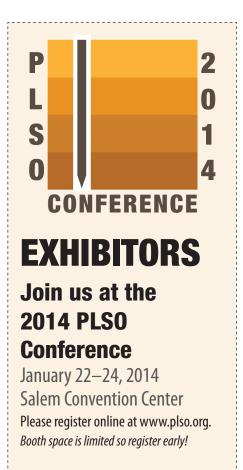
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This certainly sounds like something a word understand!



The government shutdown: blame it on Republicans, Tea Partiers or even Democrats, it doesn't matter. When the dust all settles it'll be finger pointing all around. Every elected official will be looking for ways to build a smokescreen of deniability around their involvement in it and I hope the electorate never forgets the impact of their outright failure to do their job. Simply because federal workers who were furloughed during the madness won't lose their pay (in a congressional effort to assuage their guilt) in no way removes the monstrous financial impact felt by the rest of us who haven't the benefit of such a parachute. Then again, think about furloughed workers sitting at home whilst getting paid. Where's the value in that? And where does that pay come from?

Think of the closure throughout the national parks system. I was planning on vacationing in southwestern Utah to visit four national parks. NOT! I had to cancel my vacation because they were all closed. Of course, I wasn't able to get some of my money back on the reservations I'd made months in advance, so my pocketbook was directly impacted by the shutdown. How many businesses that survive on tourism related to visiting the national parks saw their revenues suffer? I'm sure many of you have heard/read about the ripple effect through our economy. Analysts can now plow a fertile field of information in an effort to assess the financial impacts, so I'm certain we haven't heard the last of it.



Thankfully, the PLSO Board of Directors, as stewards of our organization, don't resort to pettiness, childishness, acrimony, partisan bickering, or any number of other notso-kind words I could imagine in describing the behaviors of some of our elected federal officials. Riding out the financial difficulties of the recent past (which in part were brought on by some of the same behaviors we witnessed during the shutdown) required our board to demonstrate serious statesmanship. Hard decisions had to be reached with minimal disruption to the level of service provided to the membership. A short term curtailment of the number of issues of *The Oregon Surveyor* was the hardest pill for me to swallow, but then I have a personal bias in that regard. Thankfully, we've ridden out the crisis and our publication schedule is back on track. As you can see by "The Letter from the Chair," Lee Spurgeon managed to maintain his cheerful demeanor through it all. I encourage all of our readers to consider contributing to the content of this great magazine. Time and again we have conducted surveys among our membership to assess which benefits are most important to them. This magazine has always been number one. •

P.S. 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.

We need YOU!

(But you ended up with me.)

n my first editorial column for The Oregon Surveyor, I promised to let you know how I managed to accidently become the PLSO Chair. You see, I never really intended or set out to do any of this, although I am awfully glad that it happened. Being involved in PLSO was just a tremendous hoot. I met so many intelligent, likeable people who are dedicated to our profession-more than I ever thought possible. Being the PLSO chair has undoubtedly helped my career. When I testify in court, the lawyers always manage to sneak in the fact that I was a chapter president and current state chair of the Professional Land Surveyors of Oregon. One has to admit that the title is infinitely more impressive than I alone could ever be! I generally refer to myself as the "Chief Knucklehead of the PLSO," mostly because of how I became the state chair. The "Chairman of the Board" sounds like a Monopoly token. Maybe they can name a property after me-Knucklehead Avenue. They can put it somewhere between Baltic Avenue and Go.

I became PLSO chair by either boredom or vanity; I am not sure which the main culprit was. I started out going to board meetings as a president-elect, and like most everyone else, I tended to not try to stand out but rather blend in with the other board members. As time went on, I became more engaged in the process and I started asserting myself in discussions. I began to ask for amendments on motions, and I started seconding motions, mostly to move the conversation along so that we could all go home at the three o'clock scheduled adjournment.

A few weeks after the board meetings, I would receive *The Oregon*

The "Chairman of the Board" sounds like a Monopoly token. Maybe they can name a property after me— "Knucklehead Avenue."



Surveyor magazine in the mail and I would notice that my name would show up in the board minutes for every motion or second to a motion I made. I was surprised, having never been mentioned before in a glossy, full-colored, professionally-edited magazine. It was really pretty cool! So I began to wonder, "How many times can I get my name mentioned in a single edition of The Oregon *Surveyor*?" These are the types of questions that one should immediately discard and never, ever act on. It turns out the answer is that you can get mentioned a whole lot, like 16 mentions in one issue.



Eventually, other board members caught onto what was going on, and they began rushing to make motions and second motions; although I am not sure if their motives were as shallow as mine were. Most notable of my opponents was Lee McDonald of the Midwest chapter. Lee could size up an issue and quickly and succinctly come up with a motion which was of sound judgment—and he could

> provide a well-crafted answer to complex problems. Furthermore, he was extremely quick with good reactions and it was pretty challenging to second a motion with Lee around.

Then a strange thing began to happen. What started out as a bit of a lark began to change into enthusiasm and an atmosphere which fostered

involvement. We were beginning to have very productive discussions and creative ideas were flowing freely. At the end of the year, the powers that be were having a difficult time finding someone who had the right mix of sanity to lead the PLSO and madness to actually want to do the job. There I was, happily involving myself in the affairs of PLSO with enthusiasm for all of the shallowest of motives. I was asked to become the chair-elect and I thought it was suitable punishment for my fit of vanity. But the more I thought about it, I realized that I was very fond of the people in the PLSO.

Continued on page 4 ►

Chair Message, continued

Add to that a notion that I was actually beginning to steer a very large and cumbersome vessel, although inadvertently. Eventually I came to the thought, "Why not me?"

This brings me to the whole point of this column. Why not you? The PLSO is an organization of highly competent people. I don't think we should have such a struggle to fill chapter and statewide positions. Most committees require less than a dozen hours of work per year. A chapter president can put on engaging and interesting chapter meetings with less than a 20 hour a year time commitment. And if you put in the time, are you going to get rewarded for it? Absolutely! You are going to make contacts with people you wouldn't have had access to before. People will treat you with deference for your service. You will gain prestige and that will help you out immeasurably in your professional career.

Even though it was an accident, volunteering to become engaged in the PLSO was one of the smartest decisions I ever made. (Oh, apologies to my wife...it was one of the smartest *professional* decisions...Sorry, dear.) If I had to do it all over again, I would do it in a heartbeat. It has been both fun and rewarding.

Thanks for having me. It was a pleasure serving all of you. •

Lee Spurgeon

Chief Knucklehead in Charge, PLSO

Why not you?

The PLSO is an organization of highly competent people. I don't think we should have such a struggle to fill chapter and statewide positions.





See you at the PLSO Conference, Jan. 22-24



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View from the PLSO office

■ Mary Louise VanNatta, CAE; PLSO Executive Secretary

Thanks for works unseen

iving thanks is the theme of the season. Decorations, lights and presents unite us in something in which we can all agree... we are thankful.

While thinking about thankfulness, I was in the conference room with my staff preparing for a PLSO board meeting and stuffing envelopes for a mailing. We were talking about how each mailing piece is carefully written, designed, edited, corrected, edited again, printed, folded, labeled and mailed—just to potentially hit the "round file" within moments of its arrival on your desk. It occurred to me that behind-the-scenes workers are often forgotten. So, let's be thankful for people who do the unseen work.

Those who deliver. We often forget about the people who transport and deliver goods long after we're asleep. All of our consumer goods are delivered by someone—many people working the early, *early* shift to make sure you have plenty of what the world has to offer.

Those who process. We are thankful for those who work with customers in our local businesses. Yet, behind the scenes there are folks processing the mail, the data, the inventory and the payroll. Many tasks that you think are automated are still hand-processed!

Those who prepare. When entering a meeting room, have you ever considered how the tables have been arranged and the refreshments prepared? Someone assured accommodations were just right. If your day went smoothly, someone behind the scenes paved the way for you.

Those who clean and landscape. Everything we use needs to be cleaned. If it's in the public domain—clean streets, buildings, parks, and water—it was

cleaned with the power of unseen workers. Businesses pay staff to clean, scrub bathrooms, and sanitize surfaces. Landscaping and property maintenance is a gift to the community. Surveyors who work in difficult terrain appreciate those who take care of their property.

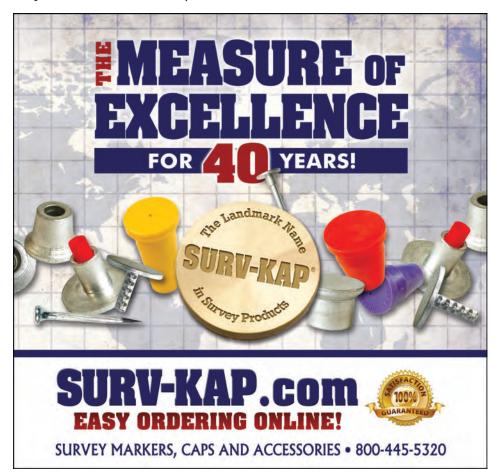
Those who maintain and fix. For everything that can break, we need someone who knows how to fix it. It's great that someone thinks about maintaining our essential equipment and services and is ready 24/7 to fix them.

Those who think. Some people seek to improve our lives by thinking. They ponder, study, pray, analyze, research, measure, create and meditate on the essential meaning of life and society. In quiet studios or offices they create



or write, sculpting concepts or policy. They debate silently and lose sleep over a societal challenge, process or business dilemma. Your PLSO volunteer board members and committee chairs spend hours working to help students and improve the profession. For those of us who think only of the problems of the day, we thank you.

We only notice when you're not there, delivering, processing, cleaning, fixing and thinking, so thanks for being there when we need you. Thanks for thinking about our needs and our future, so we can enjoy our present. •





Diggin' the Past Setting the Future

January 22–24, 2014

Salem Convention Center 200 Commercial St SE, Salem, OR

Featuring: Dave Doyle, Dennis Mouland, Curt Sumner, and many more!



Register online at www.plso.org Save \$50 if you register before 12/31/13!



Welcome attendees!

■ Jered McGrath, PLS, PLSO Conference Chair

"Welcome back, my friends to the show that never ends. We're so glad you could attend. Come inside! Come inside!"

E merson, Lake & Palmer, said it well in 1973, and I extend a similar welcome to you. Come and be part of the 2014 PLSO Conference. We return to the Salem Convention Center and The Grand Hotel—which by now should bring a feeling of familiarity. The conference offers a chance for surveying professionals to network with peers, learn and share new and old technologies, and listen to surveying topics and opinions—keeping (or tossing aside) the pertinent information to you and your practice.

We have some great speakers from near and far covering a wide variety of topics. Our hope is that each of you can find what you're looking for in fulfilling your continuing educational requirements. We will have our annual auction and general gatherings after classes on Wednesday and Thursday. We really hope you can attend.

Schedule (As of December 13, 2013)

Please see the preliminary schedule on the following pages to get an idea of the opportunities we have put together for you. Please note that due to outside speaker schedules and minor coordination events, the schedule as printed herein will change. We will update on the PLSO website as details are finalized.

I leave you with two thoughts:

"It is the mark of an educated man to be able to entertain a thought without accepting it." —Aristotle

"Every man owes a part of his time and money to the business or industry in which he is engaged. No man has a moral right to withhold his support from an organization that is striving to improve conditions within his sphere."

—Theodore "Teddy" Roosevelt

Room and Time	Santiam Rooms 1 & 6	Santiam Room 2	Santiam Room 3	Santiam Room 4	Santiam Room 5	Lobby	Croisan Creek A	Croisan Creek B	Croisan Creek C	Pringle Creek Room
7:00 AM	REGISTRATION 7 AM to	9 4 PM								
8:00 am	When the Manual is Silent, by Dennis Mouland	Professionalism, by DW Converse	New Officer Orientation	Determining Intent, by Evan Page		Exhibitor set-up			Silent Auction set-up (closed)	Conference Office
9:30 am	BREAK					tors	BREAK			
10:00 am	When the Manual is Silent, by Dennis Mouland (continued)	IRS Audit , by Mike Gordon	PLSO Board Meeting	Determining Inte by Evan Page (continued)	ent,	Exhibi	WRE, by Gerry Clark			
11:30 am	LUNCH Keynote/We	lcome • Program: E	xhibitor Presentatio	ns • Location: Willa	amette River Room	s (secor	nd floor)			
1:00 pm	When the Manual is Silent, by Dennis Mouland (continued)	Ethics, by DW Converse	PLSO Board Meeting (continued)	Curt Sumner		Exhibits & Survey Olympics	NSPS advocacy, J and government in Washington, I other perspectiv activism for NSP by John Byrd, NSF	affairs D.C.; and es on political S members,	Silent Auction	
2:30 pm	BREAK	1				& Sur	BREAK		Viewing and	
3:00 рм	When the Manual is Silent, by Dennis Mouland (continued)	Tax Update, by Mike Gordon		Curt Sumner		Exhibits {	Road Research, by Mike Berry		Bidding	
4:30- 6:30 рм	Exhibitor's Recention • Location: Exhibit Area (First Floor)									

Wednesday, January 22

PLSO Annual Conference

Thursday, January 23

Room and Time	Santiam Rooms 1 & 6	Santiam Room 2	Santiam Room 3	Santiam Room 4	Santiam Room 5	Lobby	Croisan Creek A	Croisan Creek B	Croisan Creek C	Pringle Creek Room
7:00 AM	REGISTRATION 7 AM to	0 4 PM								
8:00 am	BLM, To be announced	FEMA/Dogami, by Jed Roberts	Vendor Rodeo	GPS Derived Heights, by Dave Doyle					Silent Auction Viewing	Conference Office
9:30 am	BREAK					ts & S pics (BREAK		and Bidding	
10:00 am	BLM, To be announced	Vendor Rodeo, Part 1–2	One Man Shop, by DW Converse	GPS Derived Heig by Dave Doyle (continued)	hts,	Exhibits & Olympics	Curt Sumner (repeat)		2	
11:30 ам	1:30 AM LUNCH • Program: Exhibitor Presentations • Location: Willamette River Rooms (second floor)									
1:00 рм	Water Boundary, by Evan Page	Vendor Rodeo, Part 3–4	History of Proportioning & Misapplication in the PLSS, by Chad Erickson	Right of Entry Defense, by Mary Johnson		Exhibits & Survey Olympics OPEN	NSPS advocacy and governmen in Washington, other perspect activism for NS by John Byrd, NS	nt affairs D.C.; and ives on political PS members,	Vendor Rodeo	
2:30 pm	BREAK									
3:00 pm	Water Boundary, by Evan Page (continued)	FEMA/Dogami, by Jed Roberts (repeat)	Ocean Science Hydro, by Adrian McDonald	Expert Witness P by Mary Johnson	reparation,	Exhibits CLOSED	Research, Reso by Shirley Rober			
4:30 pm	OIT Alumni Gathering—Second Floor Foyer, North Side • OSU Alumni Gathering—Second Floor Foyer, South Side									
5:30 рм	Dinner and Education & Outreach Auction • Location: Willamette River Room									

Friday, January 24

Room and Time	Santiam Rooms 1 & 6	Santiam Room 2	Santiam Room 3	Santiam Room 4	Santiam Room 5	Lobby	Croisan Creek A	Croisan Creek B	Croisan Creek C	Pringle Creek Room
7:00 ам	REGISTRATION 7 AM to 1	PM								
7:00 ам	Past PLSO Board Presid	ents' Coffee, PLSO President's Su	lite							
8:00 am	To Accept or Not, by Dennis Mouland	Chaotic Evidence in Restoring Corners, by Chad Erickson	Legislator, To be announced	Modernization Spatial Referen by Dave Doyle		Survey Olympics OPEN	Review, GIS, 1 by OIT professo		High School Student Program	Conference Office
9:30 am	M BREAK					lymp	BREAK			
10:00 am	To Accept or Not, by Dennis Mouland (continued)	OSBEELS Update: Law Enforcement	War Stories, by Joe Ferguson and Greg Crites	Modernization Spatial Referen by Dave Doyle (c	ce System,	Survey 0	Review, GIS, T by OIT professo	,		
11:30 ам	LUNCH • Program: Hi	gh School Students and College	Presentations, Map 8	& Survey Olympics	Contest Awards	• Loca	tion: Willamette	River Rooms (see	cond floor)	
1:00 pm	To Accept or Not, by Dennis Mouland (continued)	OSBEELS Update: Renewals and Audits	GPS Users Group	FEMA, by Christine Shirl	еу		Certified Surv by Tim Kent	ey Technician,		
2:30 рм	BREAK						BREAK	· · · · · · · · · · · · · · · · · · ·		
3:00 pm	To Accept or Not, by Dennis Mouland (continued)	BOLI Prevailing Wage Rate (PWR) Compliance for Contractors, by Susan Wooley	GPS Users Group (continued)	PLSS, by Edith Forkner	BLM		Review, GIS, T by OIT professo	,		
4:30 рм	4:30 PM Conference ends. See you in 2015!									



Highlighted speakers

John "JB" Byrd, NSPS Registered Lobbyist

JB Byrd has worked in the public policy arena for 12 years. Since 2005, has been working for John M. Palatiello & Associates (JMP&A), a public affairs, management, and consulting firm in Reston, VA.

As the NSPS Registered Lobbyist, Byrd advocates for increased awareness in Congress and the Executive Branch for NSPS and the surveying profession by emphasizing legislation and regulations impacting professional surveyors. He also advises expenditures by the NSPS PAC to campaigns of Congressional candidates.

Prior to joining JMP&A and NSPS, Byrd was an aide to a U.S. senator. He graduated from James Madison University with a degree in History. Byrd earned his MBA from Winthrop University.

David Doyle, NGS, Chief Geodetic Surveyor (Retired)

Dave Doyle joined the National Geodetic Survey in 1972, and held the position of chief geodetic surveyor until January, 2013. He was responsible for the development, technical design and management of plans and programs that enhance the U.S. National Spatial Reference System. He provided technical assistance in geodesy to international, federal, state and local surveying, mapping and GIS agencies.

Doyle began his career as a geodetic surveyor in the U.S. Army in 1967, serving on numerous field survey campaigns until 1970. From 1970–72 he worked for a private surveying company near Washington D.C., while attending George Washington University.

During his time at NGS, Doyle's experiences included all phases of geodetic triangulation, astronomic positioning, leveling, GPS data collection, data analysis, datum transformations, network adjustments, and data publication. His activities included the development and implementation of the North American Datum of 1983, the North American Vertical Datum of 1988, the Puerto Rico Vertical Datum of 2002 and the Virgin Islands Vertical Datum of 2009. He has also provided technical support to various countries for the modernization of national and regional geodetic reference systems in Caribbean and Central America, Africa, and the Pacific.

Doyle is a past president of the American Association for Geodetic Surveying, a Fellow member of ACSM, a charter member of the Geographic and Land Information Society, and has served on the U.S. delegation to the International Federation of Surveyors.

Dennis J. Mouland, PLS

Dennis J. Mouland is a registered professional surveyor in Arizona, New Mexico, and Colorado and has been in the surveying profession since 1972. His experience is evenly split between the private sector and federal government employment.

Mouland has been an instructor and course manager for the BLM/Forest Service "Advanced Cadastral School" and most recently served as the National Cadastral Training Coordinator for BLM in Phoenix, AZ. In that position, he developed the Certified Federal Surveyors Program for the Department of the Interior. In addition to having over 250 technical articles published in the U.S. and Canada, Dennis is a contributing author to *The Surveying Handbook*, and authored *Ethics for the Professional Surveyor* in 1996, now in it's third printing. He has conducted seminars for the surveying and real estate professions since 1984. To date, Dennis has instructed over 75,000 students on boundary survey subjects.

Mouland has taught boundary law subjects in higher education institutions since 1995, and is currently a surveying instructor at the University of Wyoming and Oklahoma State University.

Evan A. Page, PLS

Evan Page is a Boundary Determination Officer with the California State Lands Commission and a technical expert for the Board for Professional Engineers and Land Surveyors.

Page has been in the land surveying profession since 1981. He has extensive experience in boundary, construction, topographic, and ALTA/ACSM Land Title Surveys. He also has experience with land subdivisions, control surveys, and FCC telecom site surveys. In his current position, Page determines boundaries of State lands and locations of other state land interests. These boundaries are mostly riparian or littoral, involving the beds of navigable lakes, rivers, streams, coast, and inlets.

He is active in the California Land Surveyors Association, where he serves, or has served, on the State Board, the Legislative Committee, and the Professional Practices Committee.

Page earned a BS degree in Surveying from OIT, graduating with honors in 1995.

Curtis W. (Curt) Sumner, Executive Director, NSPS

Curt Sumner is a primary point of contact and liaison for the surveying profession with numerous national and state organizations in the geospatial community and the U. S. Congress, and is a member of the NSPS/ACSM Delegation to the International Federation of Surveyors (FIG). He also serves on the Surveying Curriculum Advisory Committee at Troy University in Alabama.

Sumner serves as the NSPS Delegate to the Coalition of Geospatial Organizations (COGO) whose purpose is to increase dialog among a variety of interest groups, and diminish discord among them on issues affecting them respectively. He served as COGO Chair in 2010.

As a long-time member representing NSPS on the ALTA/ACSM Land Title Survey Requirements Committee, he has joined his fellow committee members in the development of upgrades made to these standards, including the 2011 version.

Prior to his appointment as NSPS (and ACSM) Executive Director in 1998, Sumner was the NSPS Governor representing the Virginia Association of Surveyors for the years 1987–1994, serving as Chair of the Board of Governors in 1992 and 1993. He served as NSPS President during the 1997–1998 term.

Since January 2011, he has hosted the NSPS Radio Hour, a web radio show broadcasted at *www.americaswebradio.com* at 11AM EST on Mondays.

In 2006, he was named by *Professional Surveyor* magazine as one of the Top 25 Most Influential Individuals in the Surveying Profession during the first 25 years of the magazine's existence.

He is a licensed professional surveyor in Virginia and Maryland. •

PLSO Annual Conference

SURVEY MAPS CONTEST

January 22-24, 2014

Salem Convention Center Salem, Oregon

Come One, Come All!

SUBMIT YOUR MAPS FOR A FRIENDLY CONTEST!

Prizes awarded to the top three (3) entries in each contest. (Last year's winner not eligible)

FIRST PRIZEOne free admission to the 2015 Annual PLSO ConferenceSECOND PRIZE\$200 gift card• THIRD PRIZE\$100 gift card

Categories

- Record of surveys
- Subdivision & condominium plats
- ALTA land title surveys
- Topographic surveys
- Exhibit map(s)
- Public land plat(s)
- 3D Models

Submissions

Please submit one rolled paper copy (24" x 36") maximum (without your stamp and firm name). Limit 3 maps (4 sheet max) per firm. *Sorry, entries cannot be returned*

Maps must be submitted by *Friday, January 17 at 5 pm* to be considered.

Fill out the entry form below and send it along with your map(s) to:

PLSO Survey Map Contest c/o Jeanette DeHaven PO Box 2646 Salem, OR 97308

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PLSO Annual Conference 2014 PLSO Education and Outreach Auction

By Gary Johnston

The 2014 PLSO Education and Outreach Auction will be held during the annual conference on January 23. Proceeds from the auction will be used for the PLSO scholarship fund and for PLSO-supported outreach efforts. The program is being revised from previous years to be more appealing to all participants. Dinner begins at 5:30 PM, following a short break from the day's class sessions. A delicious multi-course meal is included with each conference registration, and guest dinners can be purchased at an additional cost, either online or at the door.

Silent auction items will be displayed and offered for bidding throughout the day and evening on Thursday. Oral auction items will be displayed during the day Thursday and be offered for live bidding following dinner that evening. The oral auction is being conducted by Paul Schultz; who has been engaging and entertaining during our past three annual auction events. Members can support the auction by contributing items large or small. Chapters, consider pooling resources to provide a special item from local events or businesses. Hand-crafted items, works of art, gift baskets, recreation packages, tools, books, household items, and services are just a few examples. Current pledged auction items include: Trailblazer game tickets, a handmade quilt, a photography book of Oregon scenes, and a guided fishing trip.

An auction contribution form is included on page 13 and is also available on the PLSO website—along with other conference information. Send a completed form (one for each contribution) to the PLSO office by fax or email. Please send forms by January 15, if possible. Contributions can be brought to the conference or sent to the PLSO Office for storage until the conference. \circ

If you have questions, please contact the PLSO Office at 503-585-4551.



2014 PLSO Education and Outreach Auction contribution form

To All Members and Friends of the Land Surveying Profession:

As we near our annual conference on January 22–24 in Salem, it is time to ask for your support to the PLSO auction. PLSO is a non-profit trade organization and all proceeds this year will go to PLSO's Education and Outreach activities. This includes, but is not limited to the PLSO Scholarship fund, Trig-Star, Twist, career fairs, mentoring programs, etc.

In order to make this a great event, we need your help in procuring and/or donating items for the auction. Please use the procurement form below so that we may give you the proper credit for your donation. You can make as many copies as you need!

Best scenario: Arrange to get items to the PLSO office in Salem in advance of the conference or bring items to the conference, packaged and ready with procurement forms completed by noon, January 15.

Some items for consideration may include the following:

Vacation package	Golf/lunch package	Wine tour
Season tickets/hotel package	Skiing package	Condo timeshare package
Airplane tour	Boat/fishing trip	Dinner package
Old survey instruments	Photographs/paintings	Surveying equipment
Surveying books	Yard and office decorations	Electronic games
Homemade gifts	New re-gifted items	Gift cards
Classic or first edition novels	Collectibles	Yard/home services

If you have any questions, please contact the PLSO office at 503-585-4551 or office@plso.org.

Please return this form and send items (if not attending co	nference) to:
PLSO, PO Box 2646 (or drop off at 3340 Commercial St SE #	210), Salem, OR 97308
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Contact Name	
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DONATION ITEM	
Description	
Fair Market Value	
Bidding Restrictions (if any)	

Modernization of the National Spatial Reference System

A Workshop for Surveyors and GIS Professionals

Presented by David Doyle, NGS Chief Geodetic Surveyor (Retired), Base 9 Geodetic Consulting Services Sponsored by Oregon GPS User's Group

This professional presentation details the efforts to enhance the quality of and availability to the high accuracy positioning elements of the National Spatial Reference System.

These include:

- Enhancements to the On Line Positioning User Service (OPUS)
- Gravity for the Redefinition of the American Vertical Datum (GRAV-D)
- Transition to new horizontal (geometric) and vertical (geopotential) datums to replace NAD 83 and NAVD 88 (targeted to be completed by 2022).

Are you prepared for the change? Continued user demands and shrinking budgets at NGS encourage the transition to the National Spatial Reference Framework (NSRS). This transition is to align with the international IGS-ITRF datum and to a gravity based vertical datum. Attend and learn of the upcoming transition and how best to take advantage of the changes and benefits that may be required of your upcoming surveys.

Take advantage of the seminar to have questions answered during the afternoon session.

When	Thursday, April 3, 2014 7:30 ам – 4:30 рм
Where	NW Eola Viticulture Center, Chemeketa Community College 215 Doaks Ferry Rd., Salem, OR 97304
Cost	\$70, includes buffet style lunch
Check-in	7:30–8:30 AM (Preregistration only–No registration at the door)
PDH credits	7

First come, first served, for up to 150 registrants. Attendees will be emailed any handout materials prior to the workshop and should be self printed prior to attendance. No materials will be provided at the workshop.

Questions: johnminor@stuntzner.com or neathamer@gmail.com

Send one registration per person to: Cael Neathamer, PO Box 1674, Medford, OR 97501

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Book Review John Thatcher, PLS

The Measure of Manhattan The Tumultuous Career and Surprising Legacy of John Randel, Jr.: Cartographer, Surveyor, Inventor *by Marguerite Holloway*

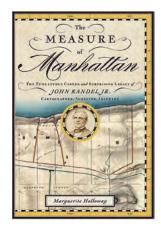
y wife, Sue, and I visited New York City for the first time over Spring Break in March 2013. NYC was an item on our bucket list. We were fortunate to have propositioned Steve Zenovic and Nina Pitts, our good friends from Port Angeles to accompany us. We lured them down to Edgefield, using Ruby's Spa and the salt water soaking pool as bait. It worked, they accepted, and off we flew to New York City, having secured lodging in a condo in midtown Manhattan. We packed a lot of must-sees into our week in the city, and shortly after we returned home, the April 8 issue of The New Yorker arrived containing a brief review of said book (sorry, I've been writing a lot of legal descriptions lately).

The review piqued my interest, so I purchased the book and started reading. I have read far enough along to realize it should interest any surveyor who is intrigued by our roots. Reading the book reminds me of the David Thompson story in the sense that here we have a surveyor of epic historical significance who is largely unknown and unheralded. My original plan was to write a detailed review of the book's subject, John Randel, Jr. Then the December 13 digital issue of *POB* magazine dropped into my inbox and sort of stole my thunder. In that issue, John Hetzler interviews author, Marguerite Holloway about her book. So I will exhort you to read the book (which is very thoroughly researched and well written) and highlight a few salient points from the *POB* interview.

Marguerite Holloway is the director of science and environmental journalism at Columbia University's Graduate School of Journalism. She became interested in Randel in 2003 when she was profiling Eric Sanderson (Sanderson orchestrated the "The Mannahatta Project" project for the *New York Times*, in which he overlaid present-day Manhattan with the predeveloped island). Sanderson often referred to Randel, which intrigued Holloway.

When Holloway began researching John Randel, she found he was lost in obscurity. Most information that she found was contained in 45 notebooks spanning the years 1808 to 1823,

This is a fascinating history of the beginnings of the urbanization of Manhattan Island and a compelling biography of the little-known surveyor, mapmaker and inventor whose task it was to lay out the island's street grid.



preserved by the New York Historical Society. In those notebooks, Holloway found not only Randel's survey calculations but also a journal of his personal life.

Randel was obsessed with accuracy and doing it right, no matter the cost. In fact, he was so obsessed that he invented his own instruments, at his own expense. Hence the word "inventor" in the book's title.

How about this for a corner search? As part of her research for the book, Holloway went out in the "field" with Reuben Skye Rose-Redwood and J. R. Lemuel Morrison to search for original Randel monuments. The description of this corner search kicks off Chapter 1. They found an original Randel iron pipe embedded in a large rock, preserved in a park in Manhattan. Thankfully they found at least one monument because most of Randel's monuments were set for street intersections and were definitely not placed in monument boxes. We all have had our stakes pulled out by disgruntled adjoiners. Well, any surveyor who has dealt with right-of-entry issues will enjoy the stories of Randel's constant battle with landowners—both in the field and in court.

This is a fascinating history of the beginnings of the urbanization of Manhattan Island and a compelling biography of the little-known surveyor, mapmaker and inventor whose task it was to lay out the island's street grid. \circ



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Cadastral Surveying and Federal Law

A recap of the 11th Annual OIT/BLM workshop

■ Tim Kent, PLS

The 11th annual OIT/BLM workshop was recently held at the Monarch Hotel in Clackamas, Ore., with over 70 professionals in attendance. They were treated to some very interesting and thoughtprovoking presentations by Bob Dahl and Ron Scherler. Both of these professionals are Oregon Tech graduates and experts in the field of cadastral surveying through their work with the Bureau of Land Management (BLM).





The Interior Board of Land Appeals (IBLA) is an appellate review body that exercises the delegated authority of the Secretary of the Interior to issue final decisions for the Department of the Interior. Its administrative judges decide appeals from bureau decisions relating to the use and disposition of public lands and their resources. IBLA is separate and independent from the Bureaus and Offices whose decisions it reviews. While not great in number, there are many very interesting surveying decisions that have been documented over the years, all of which can be viewed at IBLA.







Bob and Ron reviewed two IBLA decisions in their presentation. The first was *Domenico A. Tussio and Malyle Tussio, 37 IBLA 135.* This case dealt with the positions of the north and south ¼ section corners of section 8, which defined the ownership between the Tussio's property and BLM administered land. The second case was *Robert W. Delzell and Betty Simpson,. 158 IBLA 238.* This case centered on evidence evaluation and the difference between an obliterated corner and a lost corner.

After each presentation about the facts of the case, the attendees were divided into discussion groups to review and discuss the salient points. They then reported back their findings and what they felt were points that made the case be decided in the manner it was.

There were many Certified Federal Surveyors (CFedS) also in attendance. These IBLA cases are a part of their continuing education requirement. In fact, the very first person in the U.S. to attain CFedS status, Tyler Parsons (#1001) from Corvallis, attended the workshop.

More importantly, Tyler is now an honorary member of Oregon Tech, by virtue of the many Oregon Tech items that were presented to him. Congratulations, Tyler! •







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Oregon Tech Geomatics scholarship success



a \$15,000 check to Tracy Ricketts, Oregon Tech.

Great things happen when everyone pulls together to meet a goal! This past month the goal of \$30,000 was met to initiate the Geomatics Department annual scholarship. This is a first for the program and will help future surveying students with some of their college expenses.

The ground work for the scholarship was set in 2007 when Jim Griffis of David Evans and Associates pledged \$15,000 to be matched by other contributions toward the initial minimum goal of \$30,000. The ensuing years brought small contributions, but something more needed to be done to bring closure to this scholarship promise.

This past fall, Tim Kent, an assistant professor and Geomatics Program Director at the Wilsonville campus, took on the challenge to raise the additional funds to meet the minimum requirement for the scholarship. He contacted a number of alumni and many were able to donate to what culminated in the matching amount being met.

In early November, a ceremony was held at the Oregon Tech Wilsonville campus with Marcus Reedy from David Evans & Associates and Tracy Ricketts from Oregon Tech. Marcus sealed the deal with the presentation of a check for \$15,000. This was the assurance that the scholarship would be available for the 2015–16 school year.

Tim and others were not satisfied having to wait two more years to initiate the scholarship. Through some brainstorming sessions, additional funds were secured with the sale of some of the excess surveying equipment from Oregon Tech. The \$1,200 proceeds from this sale assured that a scholarship in that amount will now be available for the 2014–15 school year.

Good things can be accomplished when working together and this is one great step forward in helping assure that surveying students will be helped towards that goal of a licensed land surveyor. •

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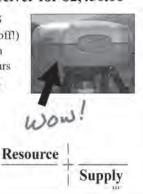
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