

THE

A publication of the Professional Land Surveyors of Oregon

# OREGON SURVEYOR

Vol. 35 No. 6 Nov/Dec 2012



**ENERGIZING**  
the  
**FUTURE**



**PLSO Conference**  
**January 23-25, 2013**

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## THE OREGON SURVEYOR

Volume 35, No. 6  
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**Editor's Note** In order to stay within the parameters of the revised PLSO budget, this is a smaller issue of *The Oregon Surveyor*. For chapter meeting minutes please visit the PLSO website at [www.plso.org](http://www.plso.org).

### Cover photo by Tymun Abbott

**Editor's Note:** This picture was taken just south of Haystack Rock in Cannon Beach, Ore. Tymun and I ran down to the rocks to get the picture. When we were standing on the beach, we could not see the scene depicted on the photograph. The star burst from the sun can *only* be seen by the shutter on the camera. Tymun didn't know he had the shot until he looked at the pictures later.

*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

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Send materials to Lisa Switalla, [lisa@llm.com](mailto:lisa@llm.com). For an editorial calendar, contact [lisa@llm.com](mailto:lisa@llm.com).

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**The Lost Surveyor Answer:** The Lost Surveyor is standing inside of First Immanuel Lutheran Church, located at 1816 NW Irving St. in Portland. The church, dedicated in 1906, has stained glass on three sides of the building. On a sunny day you are enveloped in color.

**Renew your PLSO membership at [www.PLSO.org](http://www.PLSO.org).**





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# Editor's Note

■ Oran Abbott, PLS

This is my last Editor's Note for *The Oregon Surveyor*, which is a good thing for everyone else. The highly-skilled Greg Crites will be our new editor starting in January 2013. I will remain a member of the Publications Committee for another year, or until I find a replacement.

## New members

One of the things that PLSO needs right now is new members. That sounds great, but I do not believe that a need for members correlates to a need for additional fees. I think membership in PLSO enhances a member's career in the State, in the U.S., and around the world. In addition to licensed surveyors, we have extensive abilities represented in the entire surveying workforce; many of whom are not licensed or PLSO members. I know several surveyors who are competent at surveying and fit into this category. They have a mastery in digital instruments, computer set-up and use, internet usage, computer drafting, photography applied to surveying, cell phone capabilities, apps, texting, Facebook, e-mail, etc. We do not give a license for any of these areas—but we sure do use them every day.

Have you read the magazine *Technology & more (t & m)*? There is an article in the 2009-2 issue titled "Amazing Response to Landslide Damage," detailing a Union Pacific Railroad landslide on Willamette Pass in 2009. It involved a very interesting survey, along the railroad that lasted four months in lousy weather, with long hours, by a nationally recognized survey company. I noticed that none of this work had anything to do with boundary surveying, and was excellent surveying work. All of the work featured in this issue could have been accomplished by non-licensed surveyors. Maybe we should encourage more involvement in the PLSO by those who are non-licensed but do surveying work every day. Just a thought.

When we receive a new member into PLSO, it is beneficial to have a committee, workgroup, or networking forum ready for them to participate in. It is much better for everyone if the new member has some way to feel useful and included in our organization.

## The Oregon Surveyor magazine

PLSO has published six, printed issues of the *Oregon Surveyor* for years—it is included as one of our membership benefits. Now we are having discussions about reducing the number of issues to four per year, but at the same time raising our annual dues. Has there been an oversight regarding what our membership dues pay for, or are there too many fees in our system? How do we get someone new to join PLSO with the accompanying message, "Well, our magazine is a membership benefit—you may receive six or four issues a year...or it could be a digital only...?"

Publishing *the Oregon Surveyor* as an online-only format is an option being considered. When was the last time you looked at the online version of an affiliate surveying association journal (i.e., the *Evergreen State Surveyor*)? I have a computer at home, but I do not have time to sit at the computer and



read a publication. Florida's surveying journal has been online for two years and I have yet to read a single issue. The front cover photo and the overall message of a journal carries more weight when it is printed and the hard copy is in someone's hands.

## One more thing...

Enjoy reading *the Oregon Surveyor*, get involved with our association, and think about our future. And if you've neglected to renew your membership in the PLSO, please consider doing so soon.

Thank you for allowing me to be Editor. It has been a privilege.

Merry Christmas to you and your families. ◊

Oran, thank you for your beautiful photos and reliable work over the years!  
—*The Oregon Surveyor*

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# View from the PLSO office

■ Mary Louise VanNatta, CAE; PLSO Executive Secretary

## Oregon's Capital City Welcomes You!

It's been a few years since the PLSO Conference has been in Salem and everyone here in PLSO's HQ welcome you back to the Cherry City for the Annual Conference, January 23–25, 2013.

I've had the pleasure of watching the conference committee work many hours to bring some fantastic programming to you. In just a few days you can get all the professional development hours you need for the year and help keep yourself competitive in this challenging market. If you choose your classes strategically, you can learn about lobbying, getting positive online referrals for your business, ethics, surveying with solar instruments, avoiding boundary problems, and more. Our featured speaker will be Gary Kent (no relation to Tim!), nationally known for his knowledge on survey business management.

Also enjoy the company of others in your profession, eat great food, and spend a little money at our auction, which will benefit the education and outreach programs, and more! If you bring your family or enjoy a little site-seeing, I recommend the Historic Willamette Heritage Center which will feature the exhibit, "When we were Young: Childhood around the Valley," the Capitol Building, with its walk of flags, Hallie Ford Art Museum, which features art of the Pacific Northwest and Native Americans along with its Print Study Center. Or for fun, try the new Gilgamesh Brewpub across the street.

A lot of important business will be happening at the conference and the success of your professional organization depends upon your involvement.



I'll close with my favorite quote from Theodore Roosevelt:

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

See you in Salem! ◊

## SURVEY MAPS CONTEST

January 23–25, 2013  
Salem Conference Center  
Salem, Oregon

**COME ONE, COME ALL!  
SUBMIT YOUR MAPS FOR  
A FRIENDLY CONTEST!**

Let's double the number of entries from last year and have a large display of maps and presentation boards.

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

(Last year's winner not eligible)

**FIRST PRIZE** One free admission to the 2014 Annual PLSO Conference

**SECOND PRIZE** \$100 • **THIRD PRIZE** \$75

*\* Cash prizes sponsored by Pacific Survey Supply \**

### 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  
Monday, January 21 at 5 pm  
to be considered.**

For entry forms, please see the PLSO website at [www.plso.org](http://www.plso.org) or contact **Kenneth Cochran, [ken.cochran@hotmail.com](mailto:ken.cochran@hotmail.com), 503-256-6877.**

Join us!



# ENERGIZING the FUTURE



2013  
PLSO  
Annual Conference

January 23–25, 2013

Salem Conference Center  
200 Commercial St SE | Salem, OR

## Featuring

- Land surveying professional, national speaker and educator **Gary Kent**, LS—ALTA Surveys, Best Business Practices, Avoiding Boundary Problems.
- BLM on Restoration of Lost Corners; Government Agency Updates; Legal Descriptions; Ethics; GIS; Scanning, Politics, FEMA, NSPS, and more!
- Great exhibitors, auction, food, beverages and college alumni gatherings.



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

Save \$50 if you register before 12/31/12!



■ *Tim Kent, PLSO Conference Chair*

I welcome each of you to the 2013 Professional Land Surveyors of Oregon Annual Conference. It's an exciting and somewhat trying time for the surveying profession as we continue to grow and adapt, remaining optimistic that the economy will improve. The world of surveying is a thrilling area in which to work/study/play, and we'll continue to meet and bring inspired people together in conferences like this, to ensure that PLSO remains at the cutting edge.

I'd like to give you an idea of what you can expect and what we hope to achieve

at this conference. We have an exciting line-up of topics and presenters this year, led by Gary Kent with three half-day presentations that I am sure you will find informational and educational. There also will be topics on boundary surveying, GIS, marketing, business practices, and other areas of interest.

We will have an exhibitor's social on Wednesday evening along with our new Education and Outreach auction on Thursday evening. Please plan to donate an item to be auctioned, and bid on some items as well! Remember that this event is an excellent way to support the

needs of the PLSO, now and into the future.

I'd like to close by thanking each of you for supporting our conference and bringing your expertise to our gathering. You, as PLSO members, have the vision, the knowledge, and the experience to help us pave our way into the future. You are truly our greatest asset today and tomorrow, and we could not accomplish what we do without your support. Stay engaged, keep us proactive and help us shape the future of surveying by supporting PLSO. My personal respect and thanks goes out to all of you. ◉

## Wednesday, January 23

Room and Time	Santiam Room 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	
7:00 AM	REGISTRATION 7 AM to 4 PM										
8:00 AM	Scanning Project at City of Troutdale, by Christine Amedzake	Marketing, by Paula Creekmore	New Officer Orientation	Grass Roots Lobbying & Political Involvement, "Why Does It Matter?" by Darrel Fuller, Fred VanNatta, Rep. Vicki Berger	Forest Service Surveying Program, by Bill Ham	EXHIBITOR SET-UP	Auction Set-Up (closed)	Surveying with Solar Instruments, by Tim Kent	DLC Corner Restoration, by Carl Clinton	Conference Office	
9:30 AM	BREAK						BREAK				
10:00 AM	Community Flood Management Issues, by Christine Shirley	Marketing, by Paula Creekmore (repeat)	PLSO Board Meeting	How To Handle the Power of Positive Reviews . . . , by Tim Fahndrich, Mary Louise VanNatta	BPA Surveying Program, by Mike Magyar		Surveying with Solar Instruments, by Tim Kent (repeat)	BLM Surveying Program, by Mary Hartel			
11:30 AM	LUNCH—Keynote/Welcome with Lee Spurgeon and Bob Neathamer • Program - Exhibitor Presentations • Location: Willamette River Rooms (second floor)										
1:00 PM	FEMA Update, by Christine Shirley	Legal Descriptions, by Earl Morris	PLSO Board Meeting (continued)	Survey Profession Ethics & Business Practices, by Jon Warren	Planning, by Randall O'Toole	EXHIBITS & SURVEY OLYMPICS OPEN	Silent Auction Viewing and Bidding	GIS, by Rick Breckenridge	DLC Corner Restoration, by Carl Clinton (repeat)		
2:30 PM	BREAK						BREAK				
3:00 PM	Un-Numbered A-Zones, by Christine Shirley	Legal Descriptions, by Earl Morris (continued)	PLSO Board Meeting (continued)	Survey Profession Ethics & Business Practices, by Jon Warren (continued)	Planning, by Randall O'Toole (continued)		GIS, by Rick Breckenridge (continued)	Fish & Wildlife Service Surveying Program, by David Hills			
4:30 PM	Exhibitor's Reception—Exhibit Area (First Floor)										

## Thursday, January 24

Room and Time	Santiam Room 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			
7:00 AM	REGISTRATION 7 AM to 4 PM												
8:00 AM	Avoiding Boundary Problems, by Gary Kent	Legal Descriptions, by Earl Morris (repeat)	Effective Writing, by Gail Tycer	GeoAutomation, by Jon Warren, Chris Aldridge	Exhibitor Data Collection Presentations	Exhibits & Survey Olympics OPEN	Silent Auction Viewing and Bidding	GIS, by Rick Breckenridge	Error Theory, by Jack Walker	Conference Office			
9:30 AM	BREAK												
10:00 AM	Avoiding Boundary Problems, by Gary Kent (continued)	Legal Descriptions, by Earl Morris (continued)	SCORE, by TBD	What Comes After RTK?, by Gavin Schrock	Exhibitor Data Collection Presentations (continued)			GIS, by Rick Breckenridge (continued)	ArcGis Tools, by Mason Marker (continued)				
11:30 AM	LUNCH—PLSO Annual Meeting, Willamette River Rooms (second floor)												
1:00 PM	Water Boundaries & Waterway Ownership, by Jennie Bricker, Shawn Kampmann	Managing Your Business, by Gary Kent	Effective Writing, by Gail Tycer (repeat)	GeoAutomation, by Jon Warren, Chris Aldridge (repeat)	Exhibitor Data Collection Presentations (continued)	Exhibits & Survey Olympics OPEN	Restoration of Lost Corners, BLM, by Tim Moore		Error Theory, by Jack Walker (repeat)				
2:30 PM	BREAK												
3:00 PM	Water Boundaries & Waterway Ownership, by Jennie Bricker, Shawn Kampmann (continued)	Managing Your Business, by Gary Kent (continued)	SCORE, by TBD (repeat)	What Comes After RTK?, by Gavin Schrock (repeat)	Exhibitor Data Collection Presentations (continued)	Exhibits CLOSED	Restoration of Lost Corners, BLM, by Tim Moore (continued)		ArcGis Tools, by Mason Marker (repeat)				
4:30 PM	OIT Alumni Gathering—Second Floor Foyer, North Side • OSU Alumni Gathering—Second Floor Foyer, South Side												
6:00 PM	Dinner and Education & Outreach Auction, Willamette River Room												

## Education & Outreach Auction at the 2013 PLSO Conference

PLSO members are encouraged to bring donations. Large or small, all bring support to this important fundraising effort. Items can be provided individually, or through the combined efforts of a group. Some of the best contributions result from their unique or creative character.

Auction items will be accepted throughout the morning on Wednesday, Jan. 23 in a room (Croisan Creek A) reserved for securing and displaying the contributions. After items are received and catalogued, they will be displayed until the room is closed on Thursday, Jan. 24 at 11:30 AM. On January 23 & 24, registrants can bid on silent auction items. Successful bidders will be able to purchase their winnings before the oral auction begins.

The PLSO auction dinner will start at 6:00 PM on Thursday. Light entertainment will be provided during dinner. The entertaining oral auction for a limited number of special items will begin as dinner concludes—about 6:30 PM. The oral auction should close around 8 PM.

Everyone should plan on attending dinner and participating in the auction. Dinner is included with conference registration, and this will be the only scheduled evening event.

Start looking for unique items that you or your chapter can offer to this year's auction. Help make this a memorable event to support PLSO's outreach efforts. ◉



**Friday, January 25**

Room and Time	Santiam Room 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 1 PM					Past PLSO Board Presidents' Coffee, PLSO President's Suite	REGISTRATION 7 AM to 1 PM				
8:00 AM	ALTA/ACSM Land Title Surveys—A Field Perspective, by Gary Kent	Interview Skills, by Ann Snelling	ODOT/OUN, by Ron Singh	Corps of Engineers Program, by Mel Littlell	OSBEELS Update, by JR Wilkinson, Allen McCartt	Exhibits & Survey Olympics (First Floor)	Restoration of Lost Corners, BLM, by Tim Moore (repeat)		High School Student Program	Conference Office	
9:30 AM	BREAK						BREAK				
10:00 AM	ALTA/ACSM Land Title Surveys—A Field Perspective, by Gary Kent (continued)	Railroad Safety, by Jim Irvin	NGS Program, by Mark Armstrong	Litigation of Surveying Court Case, by Dan Duyck, Attorney	Corner Recovery, by Kermit Carlyle		Restoration of Lost Corners, BLM, by Tim Moore (continued)		High School Student Program (continued)		
11:30 AM	LUNCH—High School Students and College Presentations, Map & Survey Olympics Contest Awards										
1:00 PM			GPS Users Group	Litigation of Surveying Court Case, by Dan Duyck, Attorney (repeat)	OSBEELS Update, by JR Wilkinson, Allen McCartt (repeat)		State Plane Coordinates, by Larry Signani				
2:30 PM			BREAK				BREAK				
3:00–4:30 PM			GPS Users Group (continued)		Corner Recovery, by Kermit Carlyle (repeat)		State Plane Coordinates, by Larry Signani (repeat)				

**Speaker Highlights**

**Gary Kent, LS**

- Courses:* Avoiding Boundary Problems—Thursday
- Managing Your Business—Thursday
- ALTA/ACSM Land Title Surveys—A Field Perspective—Friday

Gary Kent is Director of Surveying at The Schneider Corp., a 42-year-old consulting firm based in Indianapolis providing solutions in surveying, GIS, 3D graphics, architecture, and civil, municipal and transportation engineering. A past-president of both ACSM and the Indiana Society of Professional Land Surveyors, Gary is registered to practice surveying in Indiana and Michigan. He is chair of both the NSPS/ACSM committee and the ALTA committee on the ALTA/ACSM Standards. He currently sits on the Indiana State Board of Registration for Land Surveyors and is also a member of the adjunct faculty at the Purdue campus in Indianapolis where he teaches Land Survey Systems, Legal Descriptions, Boundary Law and Property Surveying.

**Tim Moore, PLS**

*Course:* Restoration of Lost Corners—Thursday

Tim Moore is a cadastral surveyor for the BLM Oregon State Office. He started his career with BLM in 1980, has worked in three different state offices (jurisdictions), performing a variety of cadastral surveys and services in seven different states. Tim enjoys sharing his knowledge and experiences and has instructed at various technical workshops and seminars.

**Christine Shirley**

- Courses:* Community Flood Management Issues—Wednesday
- FEMA Update—Wednesday
- Un-Numbered A-Zones—Wednesday

Christine Shirley is a Natural Hazards and Floodplain Specialist at the Oregon Department of Land Conservation and Development. The goal of the DLCD is to provide for protection of people and property from natural hazards through sound land-use planning.



# Triathlon—PLSO Team TriPod results

■ *Renee Clough*

This wraps up the 2012 racing season. I will start compiling teams for the 2013 season in February. Watch the triathlon group e-mail list for details.

## McMinnville Sprint

**John Minor**

Swim, 500 YARDS—12 minutes, 28 seconds

**Harvey Christenson**

Bike, 13.1 MILES—51 minutes, 22 seconds

**Renee Clough**

Run, 3.1 MILES—26 minutes, 53 seconds



McMinnville Sprint Triathlon—John Minor, Renee Clough, Harvey Christenson

## Blue Lake

► Placed second in their division

**Renee Clough**

Swim, 1500 METERS—29 minutes, 2 seconds

**Vincent Logan**

Bike, 40 KM—1 hour, 12 minutes, 11 seconds

**Russ Dodge**

Run, 10 KM—49 minutes, 55 seconds



Blue Lake Triathlon—Russ Dodge, Renee Clough, Vincent Logan

## Best in the West

► Placed third in their division

**Chris Moorhead**

Swim, 500 METERS—10 minutes, 30 seconds

**Harvey Christenson**

Bike, 20 KM—53 minutes, 29 seconds

**Rick Jones**

Run, 5 KM—24 minutes, 25 seconds



Best in the West Triathlon—Chris Moorhead, Rick Jones, Harvey Christenson

# The Prime Meridian

■ Chuck Wiley



The plaque above me is inscribed "Greenwich Meridian" with "East Longitude" over my right shoulder, and "West Longitude" over my left shoulder.

I want to share with you my adventure visiting the Prime Meridian at Greenwich in London, UK.

My opportunity to stand on the Prime Meridian and have one foot in the Western and the other in the Eastern hemisphere at the same time came about as a result of a long-anticipated trip with high school friends of both my wife and myself. I had gone to high school with Tom, and my wife had gone to high school with Sue. As a matter of fact, Tom introduced me to my wife and my wife introduced him to Sue. Neither Sue nor I have forgiven either of them yet.

The adventure began with a long Tube trip from our hotel in Swiss Village (a section in the northwesterly part of London). I have to say that the Tube is the way to get around in London. Some stations are more handicapped friendly than others, but all in all it is better than driving on the wrong side of the car, not to mention the road. I mentioned the

handicapped amenities as I was on pain medication due to a herniated disc that was re-injured upon arrival in London five days earlier. I am a trusting husband and took the anti-inflammatory pills that my wife was feeding me.

Unbeknownst to me, I was being given the PM version which only added to my jet lag. When I discovered what she was

doing, I corrected the error of her ways. At least I think it was an error.

If you visit England and decide to tour any public exhibits, be sure to arrive early in the day. The English are very quick to close shop at the end of the day—sometimes, even before the end of the day. I believe that it has something

Continues ▶



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## The Prime Meridian, continued

to do with the after-work meetings that seem to be held at every pub. And there are a lot of meetings because there are a lot of pubs. I know this from experience. But that is a story for later.

After dragging my numb leg from the Tube station in Greenwich for about two miles, we discovered that the exhibit had closed before our arrival (a few minutes past 5 PM). There must have been one of those staff meetings at the pub down the street.

After my initial disappointment and trying to figure out a way to scale the fence, I was able to get a few pictures of the exhibit, which looked quite nice. Then I noticed an iron gate and fence along a path that crossed below the new exhibit area. I decided to investigate. As it turned out, I was able to complete my endeavor on an older section of the exhibit.

I would like to return to the Royal Observatory someday to see the new exhibit. Perhaps someone will want me to verify the location and I will need to spend a few days observing the line. I can dream, can't I? ☺


### EXHIBITORS

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## Oregon Land Survey Law #1

January 3–4, 2013 • 8 am–5 pm

Oregon State University, Owen Hall, Room 110

**Speakers** Prof. Robert Schultz, PE, PLS  
Tyler Parsons, PLS, WRE, CFEDS

**Program** This 2-day workshop explains the basic Oregon land surveying statutes and common law decisions. It introduces the surveyor to the legal portion of the profession. The information is helpful in preparation for the Oregon four-hour session of the Principles and Practice of Land Surveying (PLS) exam. **Cost** \$280

## Oregon Land Survey Law #2A

January 17–18, 2013 • 8 am–5 pm

**Speakers** Prof. Robert Schultz, PE, PLS  
Dennis L. Bartoldus, Attorney at Law

**Program** On Thursday, this law workshop will extend the materials from Workshop No. 1 into the areas of agreements, adverse possession, and ethics. The Friday session will include a discussion on water boundaries and surveyor duties with respect to other parties. **Cost** \$280

**Register online** <http://cce.oregonstate.edu/workshops/>  
**For more information** Nancy Brickman, 541-737-4273

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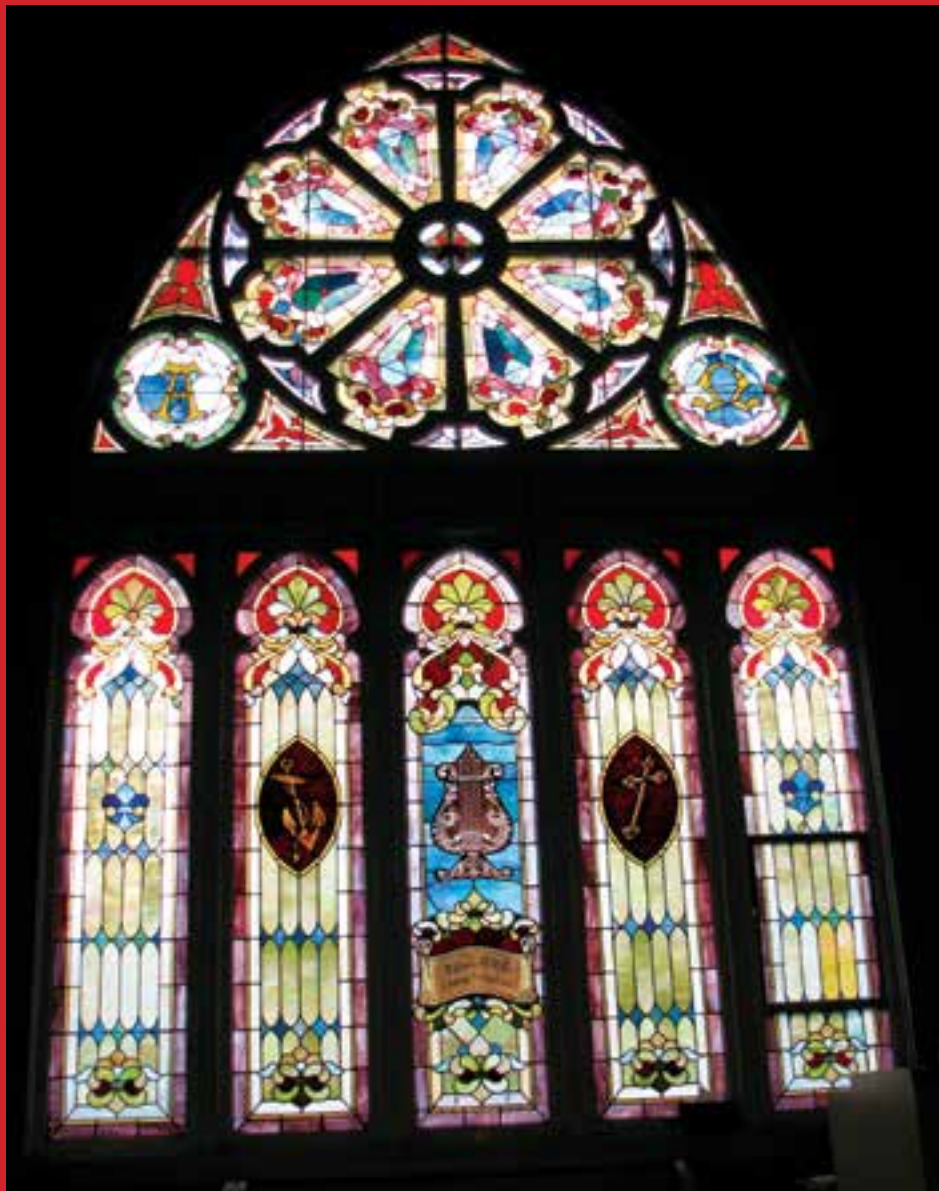
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# The Lost Surveyor

■ *Oran Abbott*



Latitude 45° 31' 40" N  
Longitude 122° 41' 24" W

The stained glass window was designed and installed by David Povey of the Povey Brothers in the late 1800s. Can you tell me where it is located? Answer on page 1

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