Volume 1 Issue 10 February 2013



# The UCLS Newsletter





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**Utah Council of** Land Surveyors

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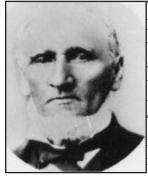
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#### Who is it



This individual was instrumental in planning and laying out numerous cities, canals, and railroads throughout the Utah Territory. Although he left a legacy as a surveyor, his biography indicates he would rather be remembered as a teacher and mentor.

The first member who responds and correctly identifies this person, may be rewarded with a free meal at their next chapter meeting. Answers may be emailed to ucls@ucls.org, uclsforesights@ucls.org or

srmerrill@ucls.org. The winner will be determined by the earliest received date and its time of response.

In This Issue: The UCLS annual conference is quickly approaching and therefore we have included the latest details to assist you in planning your activities. Additionally, requests are made to contribute auction items for the UCLS scholarship fund.

President Robert Dahn, provides an update on the activities of NSPS and the leaders of our various chapter and committees will enlighten you on the activities of their chapter or accomplishments of their UCLS committees.

Do you have a picture to share? We invite you to share charismatic photos of yourself and/or coworker, panoramic images of Utah's scenic wonders, or pictures of survey related tools and equipment. Additionally, we seek interesting and unique descriptions or survey related stories to share with our membership. Remember, if you do not participate you have no right to complain. Please let us know your thoughts, recommendations,

"Surveyors are not a dying breed, but rather a cog in a machine of an everevolving profession."

-Michael Nadeau, Professional Surveyor Magazine Student Essay Contest Runner Up Winner. AKA, UCLS Past Chair and the new WestFed Represen-

tative

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Contributions are encouraged. Articles, Advertisements, Pictures, and Comments may be submitted to UCLS at ucls@ucls.org or uclsforesights@ucls.org

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#### NSPS President's Report -Robert Dahn January 13, 2013

To begin I would like to thank each of you on the BOG, the BOD and the staff who have risen to the occasion since our Spring meeting. Since the completion of the ACSM merger into NSPS and the implementation of the 100% Membership Program, so many have willingly embraced the tasks at hand, it would be difficult to thank you individually in this space I have been asked to provide a summary of what has been done since our Spring meeting and will do my best to cover everything. If there is anything I have overlooked please do not hesitate to let me know I will provide whatever information I can.

#### The 100% Membership Program

We all understand the reasoning for 100% membership from the NSPS perspective. To create the strongest possible national voice, to have the greatest possible impact on the future of the profession, surveyors from Maine to Alaska must work in convert. Our profession's future will be shaped in large part on how effectively we do this. We also have committed to expanding the participation, the role and the influence of the state surveying societies in the national society.

The response has been immediate and significant; Tennessee, Virginia, Washington, Wisconsin, Oregon, Kansas, Massachusetts, Missouri, Montana, Minnesota, Vermont and New York have approved participation, signed agreements and have joined Maine and Alaska as 100% membership states. With those 12 new 100% states alone there are now approximately 5000 new voices working for the surveying profession nationally. North Carolina, Nevada, Louisiana, South Carolina, Pennsylvania and the District of Columbia have reported board and membership approval and have begun to review the MOU. Iowa, Wyoming, Idaho, Indiana, New Mexico and Arizona boards have approved participation and are proceeding with the steps they must take to formulize their participation. Florida, Utah, Kentucky and Michigan have approved the concept and are exploring how they will approve and implement the program.

A map has been prepared as a visual presentation of the program's progress. The map is being updated to reflect the most recent commitment. We are including a chart with membership numbers reflecting the NSPS membership impact. The chart is based on state membership numbers provided to NSPS by the state societies in the spring and final numbers will depend on the current status of the state affiliate's membership.

#### **NSPS Affiliations**

Curt and the staff have devoted considerable time and finalizing any paperwork required for our affiliations with organizations like ABET, NCEES, FIG, COFPAES etc. This process was made necessary by the merger of ACSM into NSPS, it has still required a great deal of time and effort.

#### **Governmental Affairs**

At the fall meeting a budget increase for governmental affairs was approved. Throughout the merger process governmental affairs was consistently identified by membership as our most important and successful program. The increase is intended to enable a significant upgrade to the NSPS Governmental Affairs Program, making our governmental affairs activities that much more effective. The Governmental Affairs Committee prepared an RFP to upgrade our lobbyist services. They received six responses. They short listed three, JMP&A, C.L.A. Group and Lobbyit.Com for review by the BOD. This selection will be a key component in the upgrade of the NSPS efforts at the capital. All of you receive the Governmental Affairs Updates so I will not rehash specific legislative activities or actions.

#### **Publications and Communications**

Starting with the decision to move the Bulletin to digital delivery, we have begun to address several longstanding concerns about our publications and our communications in general. Over recent years it has become increasingly difficult to control costs and to find quality articles that have not already appeared elsewhere. We have also questioned the wisdom of communicating our message via a vehicle that only goes to our own membership. For each of these reasons, it was decided to suspend the bulletin after on final edition and begin a new media program. The BOD eliminated the publications staff position. We have received and accepted a proposal from Flat Dog Media to establish a NSPS communications program taking full advantage of both print and social media. We hope to accomplish this by redirecting the revenues saved by eliminated the staff position.

#### **Corporate Filings**

Staff is close to completing all changes/paperwork required by IRS due to the merger. As part of this effort staff has requested input from IRS regarding continuing the tax relationship like ACSM had with the "Sections". That relationship allowed the ACSM Sections to establish non-profit status by being listed as "subordinate entitles" under and ACSM Group Ruling by the IRS. With the 100% membership program taking root, the Northern California Section is the only Section that is located in a state in which the 100% membership is not in effect that has expressed an interest in continuing "subordinate entity" status. Information we have received to date is unclear whether entities in states where all the members are NSPS members can become "subordinate entities".

#### **Existing Programs**

Existing programs like CST, TrigStar etc. have continued to function as before. If you would like detailed information on any specific program please contact myself or staff and we will request that the appropriate committee provide a detailed report. The framework for continued Staff support for the CFedS program has been established through an agreement between BLM and NSPS.

#### **BOD Teleconferences**

The Board of Directors continues to successfully use teleconferences to do business. We believe this has been an effective and economic alternative to meeting face to face.

#### NSPSF Disaster Relief Fund

Immediately following the storms in the Northeast all members of leadership, the staff and the NSPS Foundation began to actively promote the Disaster Relief Fund. The response has been great and for that we are thankful. Please continue your support to whatever degree you are able. I urge every member of NSPS to promote the disaster relief whenever the opportunity arises. The program administered through the NSPS Foundation is asking for assistance from the state societies in the affected states in identifying surveyors who have been affected by Sandy. There is approximately %55,000.00 in the Fund to date.

I hope this information is helpful and again I thank all of you for all your work over the past months.

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#### **Getting to Know our Members**



Name: John Assel Residing at: West Jordan, Utah My spouse is : Margene and I am a parent of: 0 children

My hobbies and/or interests include: gardening, hiking, travel, relaxing... When I retire, I want to: travel, volunteer at a humanitarian aid type facility

I have been a member of the Utah

Council of Land Surveyors since: 1995 and wish they would: encourage more voluntary training/testing of the non licensed survey techs.

My current employer is: Bush & Gudgell, Inc My position or title is: Vice President/ Project Manager and I am responsible for: operations of the Salt Lake Office and transportation projects

I have been employed by this company since: 1992 with a 5 year hiatus at UDOT

but have been involved in the surveying profession since: 1965

I became a surveyor because: I needed a part time job after school and I loved the outdoors, my next door neighbor was the county surveyor.

During the past 10-15 years, GPS has had the greatest impact on the surveying profession. However, during the next 10 years, I believe GIS and Lidar will have the most influence on its future.

In my opinion, the future of surveying is: heavily dependent on the level of professionalism shown by those practicing and their efforts to keep up with technology. With technology increasing other non-professionals are quickly stepping into areas historically done by surveyors.

#### 2013 Scholarship Program

Each year, through the National Society of Professional Surveyors Foundation, \$25,000 in scholarships funded by variety of individuals, companies and organizations are made available to encourage and support college education in geospatial sciences. These scholarships are a great opportunity for college education in geospatial sciences. These scholarships are a great opportunity for college students enrolled in surveying, mapping, geographic information systems and geodetic science programs. The scholarships are awarded in four eligibility categories. The application deadline is March 15. Visit <a href="https://www.nsps.us.com">www.nsps.us.com</a> for details.

#### **NOTICE**

Please be aware-some people have had issues with our convention and membership renewal online registration forms. We have learned from our website provider that they have experienced some problems with the maintenance of one of their servers, which in turn has been causing some problems on our website. They are pretty sure that the issue has been resolved, but just as an added safety measure, they suggest that people be sure to clear any browser caches before trying to fill out a form again on the website.



John G. Raymond, Jr. of
Strasburg Virginia invented
the surveying
tape tensioning
and leveling apparatus and was
granted US patent #3,828,438
on August 13,

1974.

It is known that the accuracy of measuring tapes, even those made of metal, can be influenced by several factors, including the amount of tension on the tape at the time a measurement is made. Thus, in surveying work, the tapeman endeavors to put the same amount of tension on the tape every time a measurement is taken. This tension is estimated in an effort to coincide with a standardizing tension, which is customarily 15 pounds.

The apparatus for releasable gripping a section of a surveying tape to tension the tape including a gauge for measuring the tension applies to the tape and a leveling gauge to facilitate properly positioning the tape. The apparatus is intended for in-the-field use by a surveyor's assistant and is provided with a handle so that the appropriate tension may be applied to the tape.

The following UCLS members correctly identified the Surveying Tape Tensioning Apparatus that was posted in the January 2013 Newsletter:

Darren Williams, PLS	01/11/2013	2:17 PM
Kevin Bishop, PLS	01/11/2013	3:17 PM
Corbin VanNest, PLS	01/11/2013	3:18 PM
Warren Monroe, PLS	01/14/2013	8:51 AM
Matthew R. King	01/14/2013	10:08 AM

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#### Colorful quotes from the mouths of surveyors:

- "I would rather have more people skills if I had people with skills."
- "My party chief wanted to go someplace he had never been before...so I took him to the rear property line."
- "Surveying is a great career, but a lousy business."
- "People do not choose to be surveyors, they are born that way."
- "If you really want to know where your property line is, ask your neighbor."
- "I remember surveying the adjoined in 1957. There was an SIB set by Pierce on that corner."

#### Colorful quotes from the mouths of our clients:

- "Why did they let me build my house on their property? Someone should have stopped me."
- "I did hit my neighbors car with that sledgehammer, but that sledgehammer is not mine."
- "I got a coordinate from google earth, and laid out my property line with my hand held GPS. What do you mean it is not right."
- "Yeah, I saw the survey bars along the road, but I found that a few good hits with a sledgehammer and they will come right out. I use them to hold my barn door open and as pry bars."
- "I took a surveying course in college in 1962. If I help out the crew, will it save me some money?"
- "My deed says I own 100 acres. Your plan shows only 99.5 acres. You stole some of my land."
- "It's got to be right. I had it surveyed by my neighbor's cousin's friend who used to work for Hydro."



**What Does It Mean** 

A Cul-de-sac (literally "butt of the sack" in French) is an expression of French origin referring to a dead end, no through road or court meaning dead-end street with only one inlet/outlet. While historically built for other reasons, one of its modern uses is to calm vehicle traffic.

Cul-de-sacs have appreared in plans of towns and cities before the automotive 20th century, particularly in Arab and Moorish towns. The earliest example of cul-de-sac streets was unearthed in El-Lahun workers village in Egypt, which was built circa 1885 BC. The village is laid out with straight streets that intersect at right angles; akin to a grid, but irregular. The western part of the excavated village, where the workers lived, shows fifteen narrow and short dead-end streets laid out perpendicularly on either side of a wider, straight street; all terminate at the enclosing walls.

Dead-end streets appeared also during the classical period of Athens and Rome. The 15th century architect and planner Leon Battista Alberti implies in his writings that dead-end streets may have been used intentionally in antiquity for defense purposes. He writes: "The Ancients in All Towns were for having some intricate Ways and turn again Streets, without any Passage through them, that if an Enemy comes into them, he may be at a Loss, and be in Confusion and Suspense; or if he pushes on daringly, may be easily destroyed". The same opinion is expressed by an earlier thinker, Aristotle, when he criticized the Hippodamian grid. He writes: "...but for security in war {the arrangement is more useful if it is planned in} the opposite [manner], as it used to be in ancient times. For that [arrangement] is difficult for foreign troops to enter and find their way about when attacking."

### UCLS Conference Schedule

	Tues February			Wednesday February 27, 2013		Thursday February 28, 2013		2013	
7:00		,		Registration				tration	
7:30				Continental Breakfast		Continental Breakfast		fast	
8:00						Officer Installation Committee Report Exhibit Hall 3		on	
8:30				Railroad Discussion				ort	
0.00	Vendor	•		<u>Rm 300 A-D</u>					
9:00 9:30	Scholarship A	Auction Setup		•					D*
	Exhibit	Hall 3		Break		A*	В*	C*	
10:00	EXHIDIC	Tidii o		Exhibit Hall 3		, ,	"		
10:30 11:00				Railroad Discussion					
11:30				Railload Discussion Rm 300 A-D			Lin	nch	
Noon	Regist	tration				Exhibit Hall 3			
12:30	Expo I			Lunch					
1:00	Opening C	eremonies		Chapter Reports					
1:30	Opening Ceremonies  Rm 300A-D			Exhibit Hall 3		Α*	B*	B* C*	E*
2:00	Autodesk	GIS for		Railroad Discussion					
2:30	Field to Finish	Surveyors		Rm 300 A-D		Break			
3:00	<u>Rm 300A-B</u>	Rm 300A-B		Break		Exhibit Hall 3			
3:30	Bre	eak		Exhibit Hall 3					
4:00	<u>Exhibit</u>	Hall 3							
4:30	Autodesk	GIS for		Railroad Discussion		F*	G*	H*	*
5:00	Field to Finish Rm 300A-B	Surveyors Rm 300A-B		<u>Rm 300 A-D</u>					
5:30	KIII 300A-B	KIII 300A-B				Siler	nt Aucti	on Win	ners
6:00									
6:30	Hospitality Suite By			Banquet Student Awards					
7:00									
7:30		esk / Prosoft		Exhibit Hall 3					
8:00	Rm 20	JUA-C							

- A\* The Surveyor and Court Room Discovery Rm 300 A
- B\* Legal Descriptions Rm 300 B
- C\* Water Rights Rm 300 C
- D\* Property Rights and You Rm 300 D
- E\* In Search of the Baptiste Mineral Surveys Rm 300 D
- F\* AutoDesk Machine Grading Rm 300 A
- G\* Surveyor Contracts Rm 300 B
- H\* Trig Star Rm 300 C
- I\* NOAA Rm 300 D

Wednesday - Survey Olympics during the day in Expo Lobby

Wednesday – Plat Competition during the day in Exhibit Hall 3

Wednesday / Thursday - Silent Auction in Exhibit Hall 3

Wednesday - NSPS Student Competition in Room 200 A-C

# UCLS Conference Accomodations

# Join Us!

The UCLS 2013 Conference is upon us. This year the Conference will be held at the South Towne Expo Center at 9575 South State Street, Sandy, Utah

We hope we have included all the necessary information regarding the conference, however, please feel free to contact the UCLS Office at (801) 964-6192, or any member of the Workshop and Conference Committee if you have additional questions. Please visit the UCLS Web for conference information and for online registration. We hope you will join us February 26-28, 2013.



One of our featured presentations Tuesday afternoon will be AutoDesk's Field-To-Finish presented by ProSoft with a concurrent session on GIS Hands on for Surveyors by UVU. Tuesday evening we will be favored with a Hospitality Suite sponsored by ProSoft & AutoDesk to help mix and mingle with old friends and new (look for ProSoft's announcement). This will also be a wonderful time to meet all the NSPS Student Competitors that will be taking part of the competition on Wednesday and get to know the WFPS Association as well.

Wednesday will be a busy day filled with our keynote speaker Charlie Tucker with his presentation on Rail Road Surveying while at the same time the NSPS Student Competition will be underway. Wednesday night will be our awards banquet where we will also be presenting the winners of the Student Competition and they will get to showcase their winning project.

We are pleased to have Assistant Attorney General Charles Stormont, The Office of the Property Rights Ombudsman – Brent Bateman, Aaron R. Smith PLS, Bill Stone PLS, Jeff Hurst, Earl Morriss Esq. PLS, Linda Smith PLS, Arthur LeBaron PLS, Trent Williams PLS, and UVU to name a few that will be presenting our various session on Thursday talking about property rights, water rights, surveying right (rite) in Utah and how to market yourself and/or your survey company. We are very excited to have a session on TrigStar, Surveying/Machine Grading, as well as several other wonderful breakout sessions.

## HOTEL

The convention hotel will be the Country Inn & Suites, SLC South

<u>To wne</u> located at 10499 South Jordan Gateway, South Jordan, UT 84095, Phone 801-



553-1151, Fax 801-553-1161. I love this Country. You may start making your

reservations now,

ask for the UCLS Convention Rate of \$90.00.

#### SCHOLARSHIP SILENT AUCTION

There is getting to be a greater demand for licensed professional land surveyors and if we as a profession do not actively pursue and mentor students interested in land surveying we can look forward to other professionals taking over work that should be preformed by professional land surveyors. You might be saying to yourself that this will never happen to our profession. We would agree as long as we continue to expand the ability of our UCLS Scholarship Fund to financially assist students of all ages that are interested in getting their education in Land Surveying.

As surveyors we have the ability to affect a lot of people in the community. With this positive affect we have a great network of clients and acquaintances that might be willing to donate to our scholarship fund raising efforts. We are coming to you, our fellow UCLS members, to help us get the items needed to continue the scholarship fund. Please don't limit your donation items to surveying or outdoor activities as there will be significant others attending the awards banquet again this year.

#### Auction item ideas:

We are looking for any surveying instruments, supplies, even an old chain or other surveying or drafting type item you think could be sold to the general UCLS membership during the convention. Other ideas are gift baskets, gift cards, sports equipment such as bats, footballs, basketballs, golf clubs, golf balls, fitness club memberships, tickets to sporting events, certificates for a round of golf, movie passes, theater passes, gift certificates to restaurants, car wash certificates, car care products, passes to Lagoon or other amusement parks, vacation passes to resorts, home improvement store certificates, day spa certificates, antique survey equipment—the possibilities are endless.

Thank you for supporting the UCLS Scholarship Fund with your efforts and donations.

Sincerely,

The UCLS Education Committee

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#### **PLAT COMPETITION**

# 2013 RECORD OF SURVEY / CORNER REPORT COMPETITION

The Utah Council of Land Surveyors is pleased to host its ninth annual record of survey plat and corner report competition. Please participate by submitting your entry(s) in one, or all of the following categories:

Record of Survey

- □ Topographic Survey□ ALTA/ACSM Survey□ Subdivision Plat
- Identify which category the plat or report is intended to
- compete in.

  If plat/project requires multiple pages, submit only one page of the set

Record Corner Report

- · Provide a standard sized copy for display purposes during the conference
- · Plats / Reports may be submitted in black/white, half-tone/shaded, or color prints
- · Judging to be conducted by current and past surveyor of the year recipients
- · A 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place winner will be determined for each category.
- $\cdot$  The awarding of the ribbons will be by attachment to the plat

### New in 2013

Judging will take place prior to the conference; therefore, a .pdf must be emailed to Steve Keisel at

<u>s vk e is e l @gm ai l.c o m</u> for distribution to the judging com- mittee. E-mail submissions must be received before February 9, 2013.

Along with the survey plat and corner report display, we wish to exhibit unusual and unique images of north arrows and/or seals. If you have a north arrow or seal, that is display worthy, please bring a copy on an 8  $\frac{1}{2}$  x11" sheet of paper.

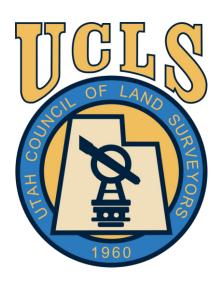
Please contact Steve Keisel at <a href="mailto:svk-eisel@gm ailto:om">svk-eisel@gm ailto:om</a> or 801-512-4338 if you have questions.

#### PRIZES!!!

Back by popular demand, we will be giving away a shotgun again this year. We will also be giving away an iPad, nice binoculars and other great door prizes. You must be present to win.\*

\*items shown are a representation only, Actual prizes may differ slightly.





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South Towne Expo Center, Sandy, Utah

Please type or print and fill out completely

You may register online or mail registration form to: UCLS, P.O. Box 1032, Salt Lake City, UT 84110
For more information or to register online: www.ucls.org Fax/Phone: (801) 964-6192

Name:	Name for Nametag				
Company:					
Mailing Address:					
City:	State/Zip:				
Phone: ( )	Fax: (	)			
License Number:	E-Mail:				
	Included with registration fo	ees:			
• All sessions •16+ Classroo	om hours • Handouts & comp exhibitors		breaks with		
• Lunches & Cont. Breakfo	asts• Opportunity to socialize w	ith peers • Installation	n banquet		
UCLS/WFPS Member Conference Registration Fees					
Member Registration Full Conference		\$375.00	\$		
Wednesday and Thursday		\$300.00	\$		
Thursday only		\$225.00	\$		
Non-Member Conference Registration Fees					
Non-member Registrations Full Conference		\$500.00	\$		
Wednesday and Thursday only		\$400.00	\$		
Thursday only		\$300.00	\$		
Student Registration Full Conference (must provide s	tudent ID)	\$100.00	\$		
NSPS Competition Team (Students & Advisor)		\$250.00	\$		
<b>Optional Activities</b> Extra Banquet Ticket <i>(per person)</i>		\$30.00	\$		
Surcharge for Late Registration (after February 18, 2013)		\$25.00	\$		
Grand Total  □ Check here if you require special service (ple your registration)	ease describe your needs in writ	ing on a separate she	et of paper and enclose it with		
Registration Deadline: February					
18, 2013, 10:00 p.m. (MT) Late registrants will not be guaranteed		Payment			
conference handouts. No refunds will be					
given after February 18, 2013.  UCLS accepts payment by check or credit card. If paying by check, please make checks payable to UCLS and send to the address above.	☐ Check Enclosed ☐ M CardNumber Expiration Date		□ Discover □ American		
	Security Code				
	Signature_				