

# The UCLS Newsletter



Volume 4 Issue 6

August 2015

## What is it



If you began surveying before the age of computers, you may recognize this month's what is it challenge.

Be the first to respond and correctly identify this tool and you will become eligible for a free lunch at your next chapter meeting. Bonus points will be given if you can name the standard units that were used with this tool.

Answers may be emailed to Susan at [srmerrill@ucls.org](mailto:srmerrill@ucls.org). The earliest received date and its time of response will determine the winner.

We hope you enjoy the new and improved format of The UCLS Newsletter.

**In this issue:** Sam Surveyor is back with more words of wisdom along with some timely suggestions that may improve the security of your mobile devices. Knud Hermansen provides us with the second of five articles regarding common mistakes that surveyors make. Representative Jason Chaffetz expresses his thoughts on the use of drones.

The national and state Trig-Star winners are announced and we introduce you to two more of our outstanding UCLS members. Unfortunately, we also lost a valued member with the recent passing of Donald Lloyd.

Have you ever wondered how certain places were named? Check-out the "What is the Correct Name of" by the Utah Geological Survey.

We invite you to share charismatic photos of yourself and/or a coworker, panoramic images of Utah's scenic wonders, or pictures of survey related tools and equipment. Additionally, we need 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, suggestions, or complaints.

The UCLS Newsletter is published monthly by the Utah Council of Land Surveyors (UCLS), as a service to the Land Surveying profession of the state of Utah. The publication is provided to UCLS members and similar organizations on a complimentary basis. The Newsletter is not copyright protected, therefore articles, except where specifically copy right noted, may be reprinted with proper credit given. Articles appearing in the Newsletter publication do not necessarily reflect the viewpoint or endorsement of UCLS, its officers, Board of Directors, or the editor. Contributions are encouraged. Articles, Advertisements, Pictures, and Comments may be submitted to UCLS at [ucls@ucls.org](mailto:ucls@ucls.org) or [uclsforesights@ucls.org](mailto:uclsforesights@ucls.org)

The UCLS Newsletter  
is published monthly by the

Utah Council of Land Surveyors  
PO Box 1032  
Salt Lake City, UT 84110

Phone/Fax:  
801-964-6192

Website:  
[www.ucls.org](http://www.ucls.org)

### IN THIS ISSUE:

Page 2....Officers & Committee Chairs  
Page 3....Mobile Device Security  
Page 4....Common Research Mistakes  
Page 5....Drones-The next Frontier  
Page 6....North Arrows  
Page 7....Trig-Star Winners  
Page 8....Getting to know our  
Members  
Page 9....Utah Geological Names  
Page 10...Donald Lloyd Obituary

"Things turn out best for the  
people who make the best of the  
way things turn out."  
- John Wooden

**UCLS Executive Board 2015**State Chair

Scott Woolsey  
43 S. 100 E. Suite 100  
St. George, UT 84770  
Business: (435) 628-6500  
Fax: (435) 628-6553  
scottwoolsey@alphaengineering.com

State Chair Elect

Dale Robinson  
12227 S. Business Park Dr., #220  
Draper, UT 84020  
Business: (801) 523-0100  
Fax: (801) 523-0900  
drobinson@sunrise-eng.com

Past State Chair

Kenneth Hamblin (CC)  
59 N. 2120 East Circle,  
St. George, UT 84790  
Business: (435) 673-3075  
khamblin@infowest.com

NSPS Director

Steven Dale  
3600 S. Constitution Blvd., Room 250  
West Valley City, UT 84119  
Business: (801) 963-3218  
Fax: (801) 963-3540  
steve.dale@wvc-ut.gov

West Fed Representative

Michael W. Nadeau (SL)  
5226 W. Ashland Rose Dr.  
Herriman, UT 84065  
Business: (801) 569-1315  
Fax: (801) 569-1319  
mikenadeau.ucls@gmail.com

Book Cliffs Chapter President

Ryan Allred  
P.O. Box 975  
Duchesne, UT 84021  
Business: (435) 738-5352  
Fax: (435) 738-5722  
dallred@ubtanet.com

Book Cliffs Chapter Representative

Brock Slaugh  
P.O. Box 1580  
Vernal, UT 84078  
Business: (435) 789-1365  
bis@timberlinelns.com

Color Country President

Todd Jacobsen  
2458 Scenic Drive  
Santa Clara, UT 84765  
Business: (435) 627-4124  
Fax: (435) 627-4133  
tjacobsen@sgcity.org

Color Country Chapter Representative

Rick Snyder  
11 North 300 West  
Washington, UT 84780  
Business: (435) 652-8450  
Fax: (435) 652-8416  
rsnyder@sunrise-eng.com

Golden Spike President

David K. Balling  
198 E. Shadowbrook Lane  
Kaysville, UT 84037  
Business: (801) 295-7237  
dkballing@msn.com

Golden Spike Chapter Representative

Val Schultz  
2096 W. 5750 S.  
Roy, UT 84067  
Business: (801) 399-8018  
Fax: (801) 825-1320  
vschultz@co.weber.ut.us

Salt Lake Chapter President

Brad Mortensen  
3268 S. 930 W.  
Syracuse, UT 84075  
Business: (801) 882-6385  
btmort@earthlink.net

Salt Lake Chapter Representative

Tim Prestwich  
12830 Redwood Road  
Riverton, UT 84065  
Business: (801) 208-3124  
tprestwich@hotmail.com

Timpanogos President

Bradly D. Daley  
3814 Sage Vista Lane  
Cedar Hills, UT 84062  
Business: (801) 566-5599  
Fax: (801) 566-5581  
bdaley54@msn.com

Timpanogos Chapter Representative

Jim Kaiserman  
1020 Sage Circle  
Heber City, UT 84032  
Business: (435) 657-3222  
Fax: (435) 657-3207  
jkaiserman@co.wasatch.ut.us

Administrative Secretary

Susan Merrill  
PO Box 1032  
Salt Lake City, UT 84110  
(801) 964-6192  
srmerrill@ucls.org

Treasurer

Brad Mortensen (SL)  
3268 S. 930 W.  
Syracuse, UT 84075  
Business: (801) 363-5605  
Fax: (801) 363-5604  
btmort.earthlink.net

Chapter Vice Presidents:

Book Cliffs Harold Marshall  
hmarshall@uintahgroup.com  
Color Country Bob Hermanson  
bobh@bushandgudgell.com  
Golden Spike Ken Hawkes  
kenh@awagreatbasin.com  
Salt Lake Gary Christensen  
chill@spanishfork.org

Chapter Secretary/Treasurer

Book Cliffs Paul Hawkes  
paul@trisatesurvey.com  
Color Country Brad Peterson  
brad2765@gmail.com  
Golden Spike Travis Gower  
gwlsurvey@gmail.com  
Salt Lake Brian Mitchell  
bmitchell@slco.org  
Timpanogos Chad Poulsen  
chad@lei-eng.com

Committees & Committee Chairs

Legislation Doug Kinsman  
doug@ensignutah.com  
Education Walt Cunningham  
walt.cunningham@slcc.edu  
Publication Steve Keisel  
svkeisel@gmail.com  
Standards & Ethics Dale Bennett  
dale@benchmarkcivil.com  
Membership David Balling  
dkballing@msn.com  
Public Relations Randy Smith  
rdsmith@utah.gov  
Testing Darryl Fenn  
dfenn@merid-eng.com  
Workshop & Convention  
Todd Jacobsen  
tjacobsen@sgcity.org  
Historical Charles Heaton  
charles.heaton@esieng.com  
Matt Peterson  
Construction Survey  
David Mortensen  
DMortensen@bushandgudgell.com

## Another Thought or Two

by Sam Surveyor

Attitude can make all the difference. I'll bet you have thousands of examples of this. If you're an employer, you want the worker who is always upbeat and happy rather than one who wears a scowl on his face. The Jonny Mercer song has a lot of wisdom. "You've got to accentuate the positive, eliminate the negative." It's sad to say that accidents happen, but worse is the society that justifies that someone need to pay for that accident rather than how to help. Don't you think that the person who had the accident feels bad enough already?

Regarding attitude, I'm reminded of the monk who at the end of each year was allowed to say just two words to break his silence. The first year he said "Bed Hard." The second year was similar, - "Food Rotten." The third year he quickly said "Shoes Hurt." It was no surprise that he left the ministry before the fourth year was out - he had been complaining ever since he got there.

In listening to other people sometimes, I can hear the frustration with another individual. They discuss ways to get back or shun so and so. I often ask the question, "What would happen to you if by chance you were nice?" "Do you think it would kill you?" People are generally good! Trust is built on goodness, Kindness really does reward kindness, and happiness is contagious. When you became a surveyor, didn't you think it to be a worthy employment? Do you still have this attitude? What would be so bad if you thought well of surveying? Oh, and by the way, Elections are coming. Get involved.

I hope to see you in the trades, I mean fields. Remember I've got you in my sights.

## Mobile Device Security

Mobile device, such as smartphones and tablets, have become incredibly powerful. Not only can you call anyone in the world, you can also watch movies, read your email, bank online, and even install apps. These combinations of factors make mobile devices very useful; however, they also can put you at great risk.

To protect yourself, we recommend the following:

- Just like with your computer, install only apps that you need and make sure that you download them from trusted sources. Criminals can create apps that look real, but are actually malicious programs designed to quietly take control of your devices. In addition, do not install apps that request excessive permissions, such as the ability to silently send text messages or copy your address book.
- Just like with your computer, backup your mobile device on a regular basis. This way, if something happens to the device, your information is not lost.
- Make sure you update your mobile device and apps on a regular basis. Cyber attackers can more easily exploit your devices if you are running outdated software. If your mobile device is old and no longer supported, consider purchasing a new one that can support the latest version of the operating system and security updates.
- Never jailbreak or hack your own mobile device. Not only may your device no longer be supported, but this usually cripples or disables many of the security features designed to protect you and your information.
- If you have security software installed, such as anti-virus or a firewall, then make sure they are enabled and updated with the latest version.
- Remember that many of the attacks you find in email can also happen via texting on your mobile device. For example, cyber criminals can text you messages asking you to connect to malicious websites, download infected apps, or ask you for private information, such as your bank account. If a text message seems suspicious or too good to be true, simply delete it.
- Be careful when using Wi-Fi. Many mobile devices will automatically connect to Wi-Fi networks without asking you, putting your device at risk. Disable Wi-Fi if you are not using it.
- Attackers can also take advantage of your Bluetooth capabilities. Just like Wi-Fi, disable Bluetooth when you are not using it. It is also important to turn off Bluetooth discoverable mode features.
- Do not access or store work email or other data from our organization on your mobile device unless you have been authorized to do so and the appropriate security safeguards are in place.

Finally, when you lose a mobile device, anyone can access all your information, including your emails, pictures or contact lists, unless it is protected. Protect your devices with a hard-to-guess password or PIN. If your device supports encryption, we recommend you use it. Also, consider enabling remote wiping if it's available. This means that if your mobile device is lost or stolen, you can erase all of your information remotely. If you lose a device issued to you by our organization or a device that contained any organizational information, notify the help desk or information security team immediately.

### DISPOSING YOUR DEVICE

New mobile devices with must-have features are coming out every month. As a result, many people replace their smartphones or tablets almost every year. However, what happens to your old device when you dispose of it? More importantly, what happens to all of your private data. Before you dispose of any mobile device, ensure that you wipe all information on it. Most mobile devices now have a reset feature that wipes all the data from your mobile device. Be sure to use these built-in features to wipe your device. In addition, be sure to remove the SIM and any flash cards from the device before disposing of it. If your mobile device was issued to you by an organization, make sure you contact the help desk or information security team so they can tell you how to dispose of it.

## Common Research Mistakes Surveyors Make (Forward Search)

By

Knud E. Hermansen†

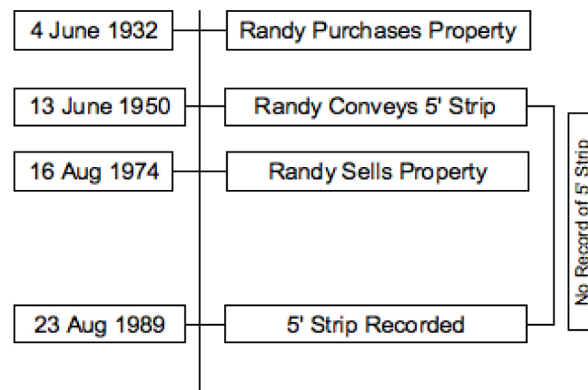
P.L.S., P.E., Ph.D., Esq.

In a previous article, I stated that surveyors often make five common mistakes in researching the records. In the first article, I discussed mistakes made in determining senior title. The second of five common mistakes often made by surveyors when researching the records is the failure to perform a forward search.

Many surveyors perform a record research back in time but fail to perform a search forward in time. As a consequence, the surveyor will often miss recorded out-conveyances from a parcel. The surveyor will also fail to find other recorded documents (e.g., boundary agreement) related to the boundary of the parcel being researched.

Assume a research of the records has disclosed that Randy owned a residential lot from 4 June 1932 to 16 August 1974. On 13 June 1950, Randy conveyed a five-foot strip of his residential property to his neighbor, by a properly executed deed. The neighbor built a fence along the new boundary on 2 May 1954 (thereby providing notice).

On 16 August 1974, Randy conveyed the residential lot to Bill. The deed from Randy to Bill used the original description and did not mention the five-foot strip conveyed to the neighbor twenty-four years previously.



On 23 August 1989, the executrix (personal representative) of the neighbor's estate discovered that the deed for the five-foot strip from Randy to the decedent had never been recorded. The executrix recorded the deed for the five-foot strip on 23 August 1989. Although the deed was executed in 1950, the deed was indexed in the indices covering the 1989 time period when the deed was finally recorded. If a surveyor fails to perform a forward search, the surveyor will not discover the recorded deed conveying the five-foot strip of land to the neighbor. The surveyor, with Bill as a client, would believe the fence was encroaching on Bill's property

What this example illustrates is that a complete record search entails using the name of a previous owner and searching every grantor index from the time the property was conveyed to a predecessor in title up to the present time. This procedure is known as a forward search. Unless a forward search is performed, the surveyor will not discover some conveyances that were made, properly indexed, and are effective against the title to real estate.

Bringing to light a surveyor's failure to perform a forward search will not necessarily convince surveyors to undertake the tedious and time consuming research necessary to overcome this limitation. Yet, the failure to perform this task could expose the surveyor to liability. At the very least, the surveyor should inform the client that these deficiencies in the research exist at the completion of services. Should the client want to compensate the surveyor for the time to perform a thorough search, these limitations can be overcome.

† Knud is a professor in the surveying engineering technology program at the University of Maine. He offers consulting services in the area of boundary litigation, title, easements, land development, and alternate dispute resolution.



Chairman Jason Chaffetz  
 Opening Statement  
*"Drones: The Next Frontier of  
 Commerce?"*  
 Wednesday, June 17, 2015

NSPS  
 MEETS WITH  
 REP. JASON  
 CHAFFETZ (R-  
 UT)

Today's hearing on drones is the first in a series of hearings the Oversight Committee will hold on emerging technologies.

Drones are already being used in a variety of applications. First responders are using them to deliver food and medical supplies to areas hit by disaster. Law enforcement envisions using drones to locate missing persons. Companies big and small are finding new and innovative ways to use drones for inspecting and ensuring the safety of infrastructure ranging from railroad tracks to telecom systems. They are being used to monitor oil and gas pipelines, crops and livestock, and music festivals. Companies like Amazon and Google are currently researching and developing systems that would allow merchants and customers to deliver and retrieve packages via drones.

**Some experts believe the use of drones could create more than 100,000 jobs and \$482 million in tax revenue for the United States by 2025.** The future is indeed bright for this emerging technology – the question is whether that future is going to take place here or elsewhere.

On February 15, 2015, the FAA released a proposed rule on the commercial use of drones. This came after years of delay and on the heels of a June 2014 report by the Department of Transportation Inspector General that criticized the FAA for being significantly behind in its efforts to integrate drones into the National Airspace System. The IG concluded that it was unlikely that FAA would meet the statutory deadline of September 2015 to integrate drones into our airspace. In addition, under current FAA regulations, as well as the proposed rule, it is very difficult for companies that are interested in developing transformative drone technology to even test their ideas.

Developers have been forced to either limit their testing to the small confines of indoor spaces in the U.S., or to test overseas in a country where the rules are more flexible.

In March 2014, Google's 'Project Wing' started testing deliveries by drone in Australia. A year later, in March 2015, Amazon began testing drone deliveries in Canada and the United Kingdom after months of waiting for approval to test in real world environments in the United States.

**According to the UAV trade association, every year that the integration is delayed, the United States loses more than \$10 billion in potential economic impact.**


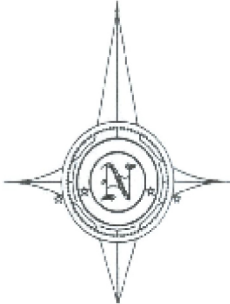


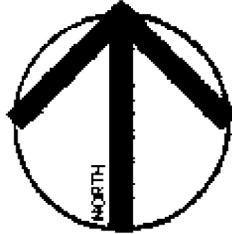
I recognize that privacy and safety concerns exist. I personally share many of those concerns.

I don't want my neighbor flying a drone over my backyard, and I certainly don't want law enforcement using drones for constant surveillance and recording everything that happens in a city. I also agree that safety of the airspace must be the priority. Can they be overused? Yes. But we can get this right. And we must. The opportunities are nearly limitless. America has always led when it comes to innovation. We must continue to do so.

I look forward to hearing from our witnesses.

NSPS lobbyist John "JB" Byrd recently met with Congressman [Jason Chaffetz](#) (R-UT), chair of the House Committee on Oversight and Government Reform. That panel has broad jurisdiction over operations of the Federal government, including Federal procurement and acquisition legislation. Last month, this Committee held a [hearing](#) on unmanned aerial systems (UAS), and Chairman Chaffetz provided an [opening statement](#). When JB met the Chairman and asked about UAS as the next wave of commerce, the Chairman replied that UAS technology will help promote and enhance commerce of many kinds, but cautioned that privacy concerns need to be addressed.

**Which North Arrow belongs to which company?**

	A	B	C	D	E	
1 Boundary Consultants						1 = _____.
2 Dominion Engineering						2 = _____.
3 HDL Surveying						3 = _____.
4 Park City Surveying						4 = _____.
5 Watson Engineering						5 = _____.

Answers on page 7

**COFPAES Wins Bid Reversals**

COFPAES, of which NSPS is a member, won reversal of two U.S. Department of Agriculture bid requests for professional LiDAR services. AG-0109-S-15-0008 - Chugach National Forest LiDAR Collection and Delivery (Alaska) and RFQ1008387 - Natural Resource Conservation Service, Crab Creek LiDAR (WA) were both successfully changed to qualifications based selection (QBS) contracting. **COFPAES has an “if you see something, say something” process where, when an NSPS members sees something wrong with a government procurement, COFPAES will work with the procuring agency to correct the process, with the name of the firm or individual who raised the issue being kept confidential.**



**Did you know**

That the survey measurement “ROD” was established in the sixteenth century as the length of the left foot of the first 16 men out of church on a certain Sunday?

## National Trig-Star Committee Selects Winners of the Richard E. Lomax National Trig-Star and Teaching Excellence Awards

The National Society of Professional Surveyors (NSPS) is pleased to announce the recipients of the 2015 Richard E. Lomax National Trig-Star Awards. The Trig-Star committee met on July 31 and August 1, 2015 to determine the three top high school students from the national examinations submitted by state winners. This year there were thirty-nine state winners submitted. A past president of NSPS, Richard Lomax was the driving force behind the elevation of the local Trig-Star program to the national level. In October 1994, Board action named this high school trigonometry skill award in his honor.

### ***The Richard E. Lomax National Trig-Star Awards are as follows:***

First Place: William Mitchell, West Valley High School, Fairbanks, Alaska  
 Second Place: Russell Kenney, Big Piney High School, Big Piney, Wyoming  
 Third Place: William Zhang, Vestavia Hills High School, Vestavia Hills, Alabama

### ***The Richard E. Lomax National Teaching Excellence Awards are as follows:***

First Place: Sandra Ryan, West Valley High School, Fairbanks, Alaska  
 Second Place: Jennifer Banks, Big Piney High School, Big Piney, Wyoming  
 Third Place: Todd Taylor, Vestavia Hills High School, Vestavia Hills, Alabama

The first place student receives \$2,000, second place student receives \$1,000, and third place student receives \$500. The first place teacher receives \$1,000, second place teacher receives \$500, and third place teacher receives \$250. The Trig-Star Policy States that "the National Student and Teacher Awards be given to the winning students at or before the next state professional land surveying organization conference of the student's home state."

The following is a list of the remaining State Winners in the order of finish:

Zhongxu Chen, Oregon; Haoxiang Li, Illinois; Wally Johnson, Kentucky; Erika Lustig, Michigan; Christian Jacobsen, Montana; William Lies, Kansas; Nashalie N. Ortiz Torres, Puerto Rico; Vincent Pan, Nevada; Anastasia Mullins, Georgia; Joseph Work, Ohio; Joseph Barnes, South Dakota; Jiang Lai Zhang, New Jersey; Katherine Platt, Pennsylvania; Alan Zimmer, Missouri; Alexander Snouffer, Maryland; Grady Mauch, North Dakota; Joshua Shepherd, Washington; Elizabeth Han, Iowa; Taylor McCreary, California; Jack Bao, Indiana; Luke Deng, Colorado; Kyle Pittman, New Hampshire; Katie Kanich, Delaware; Jordan Goldstein, Texas; Kael Stelck, Idaho; Antonio Faraci, New York; Christopher Fechisin, Virginia; Benjamin Reas, Wisconsin; **Jeremy Green, Utah**; Jacob Judd, Tennessee; Alexander Foster, South Carolina; Isabella Latta, Maine; and Alexander Cooper, Massachusetts.

The Richard E. Lomax National Trig-Star and Teaching Excellence Awards are a few of several annual NSPS awards. For more information about the NSPS awards and scholarship programs, please contact NSPS, 5119 Pegasus Court, Frederick, MD 21704, (240) 439-4615, e-mail: Trisha Milburn at trisha.milburn@nsp.us.com, or visit the NSPS web site at www.nsp.us.com.

UCLS FALL FORUM  
 GIS to BOUNDARY  
 Friday September 18, 2015  
 7:30 am - 5:00 pm  
 Salt Lake Community College  
 See UCLS website for more details

### Continuing Education Opportunities

*UCLS wants to recognize interesting and outstanding work by our members - via a special section in the Fall Foresight Magazine. We are looking for unique projects that were challenging or required creative solutions to complete. This project might be big, small, and/or weird. Simply provide a project description and include the basics: what made your project unique and the surveying techniques used to complete the project. Email the submission, along with photos and scanned images, to Susan Merrill at [smerrill@ucls.org](mailto:smerrill@ucls.org)*

R156-22-304. Continuing Education for Professional Engineers, Professional Structural Engineers, and Professional Land Surveyors (4)(c) a maximum of five hours per two year period may be recognized for preparation of papers, articles, or books directly related to the practice of professional engineering, professional structural engineering or professional land surveying and submitted for publication;

Answers to North Arrow Question 1=C; 2=A; 3=B, 4=E, 5=D

## 2016 Convention Update

Todd Jacobsen

The 2016 UCLS Convention will be held at the Dixie Center located in St. George, UT, February 17-19. Even though we are in the early stages of planning the convention we already have several key presenters lined up and are trying to finalize another.

The Convention Committee would like to do things a little differently this year and break up the meeting schedule with more presenters and more opportunities for breakout sessions. This should keep things flowing and keep things fresh. Also we are tossing the idea around to have the same breakout session offered twice so if you wanted to go to two different ones you'll be able to do so. We would like to bring back the Survey Olympics, maybe have a hands on breakout session with the vendors and their equipment outside, and have better awards for the Plat Competition. We would like to see some of you present a project during one of our breakout sessions that you have been working on or have completed and discuss what you did, why you did it and what the results were. We are thinking of bringing back the golf tournament and also go to the Southern Utah Practical Shooting Range located in Hurricane. These would be pre-convention activities, not post-convention activities like in the past.

There are so many ideas and things that we can do or plan for our conventions. Some of these things may work and some will not and some we just may not have time for. But if there is something that you would like to see or hear at our next convention please contact the Workshop/Committee Chair with your suggestions. todd.jacobsen@sgcity.org



umm Boss - I think we may need to re-calibrate our equipment

## Getting to Know our Members

Name: **Kagan Dixon**

Residing at **Taylorville, UT**

My spouse is **Amanda Dixon** and I am the parent of **1 child**.

My hobbies and/or interests include **cycling, golf and cars**.

When I retire, I want to **spend more time with my family and travel**.

I have been a member of the Utah Council of Land Surveyors since **2012**

My current employer is **Benchmark Engineering and Land Surveying**

My position or title is **Survey Department Manager** and I am responsible for **project management, crew scheduling, and department goals/standards**.

I have been employed by this company since **2007** but have been involved in the surveying profession since **2007**

I became a surveyor because **a friend got me a job as a rodman, and I found that I really enjoyed the field**.

During the past several years, the **drive to become licensed** has had the greatest impact on the surveying profession. However, during the next **20 or 30 years**, I believe **education** will have the most influence on its future.

In my opinion, the future of surveying is **helping to ensure that we don't become too complacent or dependent on the technology which serves us**.

Name: **Merritt P Dismant**

Residing at: **Fruita, CO**

My spouse is **Elizabeth**, and I am the parent of **5 children of my own and 4 of my current wife**.

My hobbies and/or interests include **photography, silver smithing, lapidary and history**.

When I retire, I want to go **back to work**. I **retired in 1998 and went back to work a year later**. I **enjoy the challenges of land surveying and I was bored stiff**.

I have been a member of the Utah Council of Land Surveyors since **1986** and wish they would **have more of their annual meetings in the Salt Lake area or closer to the center of the state**. The last meeting I attended was in **Sandy**. **The weather wasn't that warm but the location was good**.

My current employer is **myself**.

My position or title is **sole proprietor**, and I am responsible for **all things big and small**. I **have been self-employed or the principal since 1978, but have been involved in the land surveying profession since 1970**. I **had previous surveying experience in the geodetic and mapping control field**.

I became a land surveyor because the **State of Colorado at one time in the late 1960s considered passing a law that required aerial mapping companies to have many of their maps certified by a registered land surveyor**. I **had the required education and surveying experience so I was selected to take the exams in Colorado in 1970**. I **passed**. I **was registered in Utah in 1986**.

During the past **20 years** **GPS** has had the greatest impact on the surveying profession. However, during the next **20 years**, I believe **GIS** will have the most influence on its future.

In my opinion, the future of surveying is **rapidly changing into an era of measurers and GIS solutions, disregarding original monumentation and possession**.



# GLAD YOU ASKED

## WHAT IS THE CORRECT NAME OF...?

Mark Milligan

Among the more commonly asked questions we receive at the Utah Geological Survey (UGS) are those dealing with the correct names of Utah's geographic features. Perhaps the best tool for answering these questions is a searchable database established and maintained by the U.S. Board on Geographic Names, which is part of the U.S. Geological Survey (USGS). This database, called the Geographic Names Information System (GNIS), is available online at [geonames.usgs.gov](http://geonames.usgs.gov). Following the American Civil War, a surge of exploration, mining, and settlement of western territories created many inconsistencies and contradictions in geographic names, which became a serious problem for surveyors, map makers, and scientists. To address this problem, President Benjamin Harrison signed an executive order that created the U.S. Board on Geographic Names in 1890 (the current form of the board was established by a 1947 law).

Technology, such as geographic information systems, global positioning systems, and the Internet increases the need for standardized data on geographic names, but it also makes accessing that data quick and easy through the GNIS. The database includes current and historical information for over 2 million physical (e.g., mountain ranges, summits, lakes, arches, and streams) and cultural (e.g., populated places, churches, airports, and cemeteries) geographic features in the United States, associated areas, and Antarctica. However, it does not include roads and highways. Named features are located by state, county, USGS topographic quadrangle map, and geographic coordinates. Other attributes include elevation (another commonly asked question at the UGS), alternative and unofficial (variant) names and spellings, feature class/type, historical and descriptive information, and citations.

In addition to finding official names, elevations, citations, and such, all sorts of name curiosities can be investigated using the GNIS. The following list illustrates some of the more entertaining results of our GNIS name queries.

- The *San Rafael Swell*, in Utah, has the company of 12 other *Swell* places across the U.S.
- Based on "feature names," Utah has more *Bars* (29) than Arizona (1), Nevada (3), and Wyoming (3). Also based on "feature names," the density of *Bars* is apparently not directly related to how dry a state is; Florida has 10, while Idaho has 115. But based on "feature class," Florida, Idaho, and Utah have 211, 116, and 40 bars, respectively. Note: a bar is an elongated ridge of sand, gravel, or other sediment that forms in a river, lake, or ocean.
- Of the 99 U.S. *Nipples*, nearly one-third (29) are in Utah; *Mollies/Mollys* is most common (8).
- The U.S. has 365 *Eggs*, but only Utah, Virginia, and Texas have *Eggnog*.
- Utah has only two *wives* (*Wife*), but this is one more than any other state in the nation.
- *Devil* (U.S.—1,853 and Utah—69) is more common than *Hell*, but *God* and *Jesus* are omnipresent. Each has "more than 2,000" matches in the U.S. In Utah *God* has only 37 matches, while *Jesus* has 1,126. This is due to the inclusion of church names in the database (the devil is in the detail).
- *Hell* on earth (or at least in the U.S.—983 matches, and Utah—55 matches) is much more common than *Heaven* (U.S.—327 and Utah—13).
- Utah has a *Mitten Canyon* in Uintah County, but the famous Mittens (*East and West Mitten Buttes*) of the Navajo Nation's Monument Valley are on the Arizona side of the border.
- *Shite Creek* is in Idaho. *Shitten Creek* is in Oregon. *Shitamaring Creek* is in Utah. None of these states contain one of the nation's 28 *Paddles*.
- *Scope Ore Swamp* in South Carolina has not always been named such. Feature names can be and are changed for political correctness and other reasons, but the original name is maintained in the database. (You will have to look up the original name yourself.)
- Curiously, Utah contains none of the 104 *Strange* U.S. names and not one of the truly *Odd* (311) U.S. names.
- While 23 names across the U.S. include *Goblin*, Utah's "*Goblin Valley*" is unique.
- *Unique* is not unique (12 in the U.S.), but nothing is *Unique* in Utah.

**Donald Farrell Lloyd (1936-2015)**

Our beloved father, grandfather, great-grandfather, brother, and friend, Don Lloyd passed away peacefully on August 12, 2015 in his home surrounded by his loving family. Don was born in South Jordan, Utah on November 16, 1936 to Henry Farrell and Mary Farmer Jensen Lloyd. He married Carol Ann Harper, later divorced.

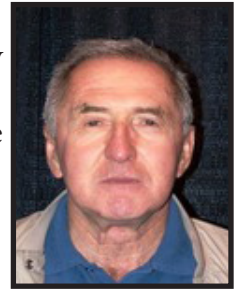
He was a faithful and devout member of The Church of Jesus Christ of Latter-day Saints, serving in many capacities including scouting, ward clerk, and service missionary. Don served in the National Guard from 1958-1964. He worked for Kennecott Copper for 29 years as a land surveyor and truck foreman. He also worked at Barrick Mercur Mine for 14 years before he retired.

Don was a dedicated, wonderful father and raised five children. He enjoyed spending time with his family. He had a great appreciation for the outdoors and taking care of his yard.

Don is survived by his 5 children; Donnette (Randy) Mitchell, Denice (Daryl) Beazer, Leslie (Glen) Knight, Doug (Cynthia) Lloyd, and Steve (Jamie) Lloyd, sisters, Elaine Holt and Betty Lee, brother Rodney Lloyd, 29 grandchildren, and 15 great-grandchildren. He is preceded in death by his parents, grandson Kayden, and brothers-in-law Jay and Max.

Funeral services will be held on Saturday, August 15, 2015 at 11:00 a.m. at the Crescent 8th Ward, 2080 East 11530 South, Sandy. Friends may call on Friday, August 14, 2015 from 6-8 p.m. at Larkin Sunset Gardens Mortuary, 1950 East Dimple Dell Road (10600 South) and from 9:30-10:30 at the ward prior to the service.

UCLS expresses their condolences to the family and friends of Donald Lloyd.



## DASTURDLY DEED

### a. *Town House*

Address:

**3434 W 3440 S  
West Valley, UTAH 84119**

**Decree of Divorce**

**Third Judicial District Court**

Legal description:

***Unit 3, Phase 1, contained within The Rosewood Garden Homes, formerly known as Chimney Street Condominium***

### b. This property is divided as follows:

***My husband and I have discussed it and we both agree that I get the house. In the year and a half that my husband and I have been married he was suppose to be going to school while I worked. Turns out he wasn't really going to school, not hard enough to earn a college credit in the last year and a half that is, and he also hasn't had a job, so he hasn't contributed to this marriage. The loan is in my name. We bought the townhouse in April so there really isn't any equity.***

4. Neither party is awarded alimony from the other.