



The UCLS Newsletter

What is it?



In previous issues of the newsletter, surveying tools of past generations were highlighted. However, in this edition of “WHAT IS IT”, there appears to be a piece of equipment that might be used by a modern surveyor.

The UCLS Newsletter is published monthly by the

**Utah Council of
Land Surveyors**

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What is the large green box sitting on top of a standard surveying tripod? Be the first to identify what it is and what it is capable of doing and you become eligible for a free luncheon at your next chapter meeting. Answers may be emailed to Susan at srmerrill@ucls.org. The earliest received date and its time of response will determine the winner.

In This Issue: We introduce you to three outstanding members of UCLS and provide information on our upcoming conference. You will also enjoy another dastardly deed, review a potential surveying app, and test your knowledge of north arrows used by our members.

Hopefully, we get more snow and therefore we optimistically added some tips for winter driving. For your reading pleasure, we went back in history and found an interesting 1861 GLO report.

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.

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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

“Where water is boss,
the land must obey.”
- African Proverb

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Getting To Know You

by: Lynn Curt



Pictured:

Some strange artifact from the preserved Roman town of Lutetia found in a crypt in the square in front of the Notre Dame Cathedral, Paris France.

-Submitted by Lynn Curt

My name is Lynn Curt and I currently reside in Salt Lake City and near Torrey Utah. My wife’s name is Lisa.

Up until about 5 years ago I was the Salt Lake City Surveyor and retired with just over 30 years at the city. I originally came to Utah for college and I liked the mountains and skiing. With some experience in surveying from a small town in the Upper Peninsula of Michigan, I took a summer job with a survey firm in Bountiful.

When I was a little kid we had a summer place on a lake in northern Wisconsin. One day I was out walking through the woods and came up to these two guys, one looking through this scope and the other pounding in stakes. They told me they were surveyors and let me look through the scope and I thought that was a pretty cool job to be out doing what they were doing whatever that was. And, it was always fun to shoot at those guard stakes with my pellet gun.

Today my connection with surveying is mainly through happenstance finding of physical monuments. I tend to send Lisa into one of those eye rolling snores when I stop the jeep to go and look at some chunk of brass on a little post. Funnier yet is when I come back to the vehicle to get the camera..., but we have a great time together and love to explore the back roads and wild places.

I’ve always liked the mechanics of land surveying and have experienced many changes as well as I am sure all of you have. I guess my simple answer to the future of surveying is that it is what we make of it. It is not up to the company we work for or any other outside factors. The individual needs to make their own career evolve in the way necessary to maintain it. Like life, it is what we make of it. Looking back I think of the importance of being involved in the surveying community. I could have done better in this area and as I have looked at some of our fellow surveyors who have accomplished so many things during their careers much of their enjoyment of the profession is through the variety of involvement they have taken on. Thank You!

December Who is It



The December’s who is it picture remains a mystery. Please let us know if you have an idea who these individuals may be.

17-23-17. Map of boundary survey

- (2) (a) (i) Each land surveyor making a boundary survey of lands within this state to establish or reestablish a boundary line or to obtain data for constructing a map or plat showing a boundary line shall file a map of the survey that meets the requirements of this section with this county surveyor or designated office within 90 days of the establishment or reestablishment of a boundary.
- (ii) A land surveyor who fails to file a map of the survey as required by Subsection (2)(a)(i) is guilty of a class C misdemeanor.

Getting to Know our Members

Name: **Walt Cunningham**

Residing in: **Taylorville, UT**

My spouse is **Ronda**, and we are proud parents of **six children**, and have **seven grandchildren**. My hobbies and/or interests are diverse and include: **hanging-out with the Wife, kids and grand-kids; day hikes, road trips, international travel, maps, surveying, Alaska, exploring, scouting, riding my old-fashioned three-speed bicycle, airplanes, good music, woodwork, historical, educational, scientific, and military documentaries and movies of all kinds, foreign languages, family history and genealogy, family reunions, chess, reading, watching ice hockey, soccer and college sports, cheering for the Underdog, and more.**

When I retire, I want to serve a church mission with **Ronda**; build my dream-cabin in the woods on the edge of a pristine lake and mountain forest, and do some more national and world travel. I also want to re-visit Alaska (where I grew up) and the Arctic coast, and spend some time in Australia on the way to Antarctica... if I don't run out of time, money, or health.

I have been a member of the Utah Council of Land Surveyors since **1994**, and wish they would always continue doing the great work in advancing and promoting the land surveying profession through surveying education, and by maintaining professional standards in Utah.

My current employer is **Salt Lake Community College**.

My position or title is **PLS, Associate Professor of Surveying & Geomatics, and Program Coordinator**, and I am responsible for **teaching full-time in, and coordinating, the Surveying & Geomatics Program with help, advice, and support from the UCLS and SLCC, while correlating and maintaining strong ties with the UVU Geomatics Program.**

I have been employed by SLCC since **1994**, but have been engaged with the surveying profession since **1966**.

I became a surveyor because **it's fun; and because I love the never-ending adventure of being in, and working, outdoors with some of the most interesting people in the world - Surveyors - and actually being paid for it!**

During the past **forty years, never-ending technological advances and various court case-law decisions** have by far had the greatest impact on the surveying profession, for better or for worse. However, during the next **forty years**, I believe that the **improving public view of surveying and surveyors** will have the most influence on its future by catapulting surveying to its ancient glory as one of the most important, noble, and respected core-professions in the history of Humankind.

In my opinion, **the future of surveying is very bright; and getting brighter... especially as Humanity continues to venture deeper into Space!**



Name: **Jeremiah Cunningham**

Residing in **West Valley City, UT**

My spouse is **Adriana Cunningham** and I am a parent of **3 children**

My hobbies and/or interests include **music, drumming, drawing, reading, and video games.**

When I retire, I want to **move to Mexico and live off of my retirement savings.**

I have been a member of the Utah Council of Land Surveyors since **2011** and hope they will **continue supporting high education and continuing education standards for licensed surveyors.**

My current employer is **Hill & Argyle, Inc.**

My position or title is **Land Surveyor** and I am responsible for **preparing, managing, and analyzing field data; reviewing and producing plats and maps; being the go-to guy when something goes bust.**

I have been employed by this company since **April, 2011** but have been involved in the surveying profession since **I was a teenager.**

I became a surveyor because **I enjoy almost every aspect of the profession. I love math and drawing. I enjoy travelling and new technology. Most importantly I feel like I am working and not just taking up space in exchange for a paycheck.**

During the past **10 years virtual reference stations (VRS) for GPS surveying** has had the greatest impact on the surveying profession. However, during the next **10 years**, I believe **integrating GIS tools into our daily workflow** will have the most influence on its future.

In my opinion, the future of surveying is **bright in Utah. There are many opportunities for work and plenty of niches to fill. I am looking forward to working in this field.**



Surveyors Leveling Tool for iPhone

If you happen to be one of those tech-savvy surveyors out there who head into the field armed with an iPhone, I have a new app to tell you about. It is called Surveyor's Leveling Tool and it could come in handy in the surveying field (provided you carry an iPhone). This is an iPhone application for Surveyors that will take the site readings and "reduce" the levels real-time.

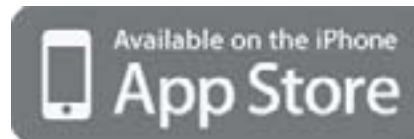
WHAT SURVEYORS LEVELING TOOL DOES:

This application will allow Surveyors to take site readings and reduce the levels real-time in the field. No more waiting until you get back to the office, or doing it while you are in the field.

The app is FREE, and initially comes with 25 Turning Points or IDs. The IDs are inexpensive consumables" that you must purchase to record the site readings.

Sites are initiated by supplying information, such as site ID, description, TBM, and elevation. You then start entering your readings:

- Station (STA)
- Backsight (BS)
- Instrument Height (HI)
- Foresight (FS)
- Description (Desc)



The "reduction" of each of the BS-FS readings is computed immediately. The final reduced readings are saved in the iPhone, and can be sent by email for later printing.

Surveyor's Prayer

Almighty God, surveyor of the universe and the true point of beginning for all things.

Bless that parcel of time more particularly described as life and guide as we traverse through it.

May we accurately follow the courses you have set forth giving full measure of our time and talents in a manner that will make our lives worthy of a place in the record book of eternity. We submit the sum of our being; less and except those errors by your grace forgiven.

Witnessed by those present in your holy name.

Amen.

- Ben Devane 13 July 1991

Board of directors approves 2014-15 exam item costs

The NCEES Board of Directors has approved values for each item for fiscal year 2014-15, which began October 1. Due to the transition to computer-based testing for the FE and FS exams, the values are now calculated in three groups: CBT multiple choice, which currently includes the FE and FS exams; multiple-choice items for pencil-and-paper exams, which include the PS exam, and PE exams, and the breadth portion of the 16-hour SE exam; and constructed response, or essay, questions for pencil-and-paper exams, which include the depth portion of the SE exam.

The following are the exam item costs for 2014-15:

- CBT exam cost: \$2,510
- Pencil-and-paper exam item cost for multiple-choice items: \$2,307
- Pencil-and-paper exam constructed response: \$19,802

Each year, NCEES assesses the potential financial damages associated with an exam breach and sets a cost to replace an exam item, or question, if it can no longer be used. NCEES considers travel expenses, subject-matter experts' time, psychometric costs, and office and personnel costs when establishing the dollar value of each exam item.

New specs, design standards

The PE Civil exam (all modules) and PE Agricultural and Biological exam have revised specifications, beginning with the April 2015 administration. This includes all five of the PE Civil exam module options: Construction, Geotechnical, Structural, Transportation, and Water Resources and Environmental.

The SE exam will have revised design standards starting in April 2015. The PE Civil exam's Construction, Geotechnical, Structural, and Transportation modules and the SE exam have revised design standards, which also begin with the April 2015 administration.

Updated specifications and design standards are posted online at ncees.org/exams.

Calculator list approved

The board of directors recently approved the calculator models that can be used on NCEES computer-based and pencil-and-paper exams in 2015:

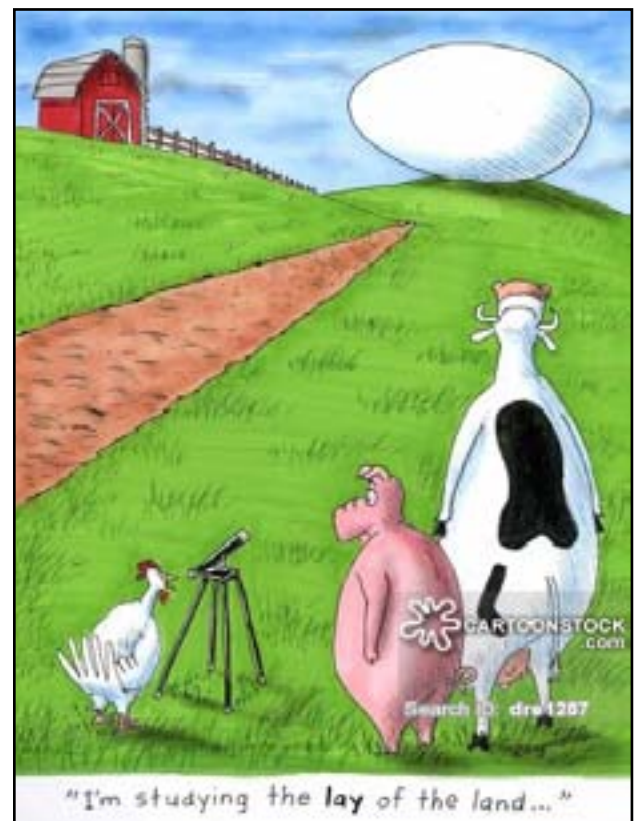
- Casio: All fx-115 models (Any Casio Calculator must have fx-115 in its model name.)
- Hewlett Packard: The HP 33s and HP 35s models, but no others
- Texas Instruments: All TI-30X and TI-36X models (Any Texas Instruments calculator must have TI-30X in its model name.)

Limiting the types of calculators allowed in the exam room is one of the measures NCEES takes to protect the integrity of its exams.


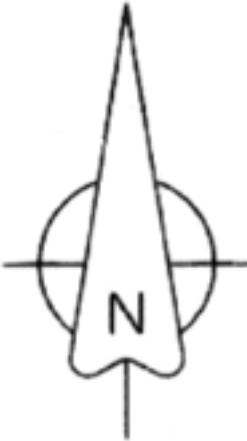



AN ORDINANCE CREATING A SURVEYOR GENERAL'S OFFICE

Passed by the General Assembly, March 2, 1850

Sec.6 All surveys made in any County shall, upon the completion thereof be returned to the County Surveyor, who shall file a copy thereof, together with a copy of all surveys made by himself, in the County Recorder's office, in the County wherein the same is made; and transmit another copy of the same, together with the surveys made by himself, to the Surveyor General's office at the Seat of Government



Which North Arrow belongs to which company?

	A	B	C	D	E	
1 Torgerson Engineering						1 = _____.
2 Clark Surveying						2 = _____.
3 Salt Lake County						3 = _____.
4 Balling Engineering						4 = _____.
5 PEPG						5 = _____.

Answers on page 10

R156-22-304. Continuing Education for Professional Engineers, Professional Structural Engineers and Professional Land Surveyors.

(d) a maximum of ten hours per two year period may be recognized at the rate of one hour for each hour served on committees or in leadership roles in any state, national or international organization for the development and improvement of the profession of professional engineering, professional structural engineering or professional land surveying but no more than five of the ten hours may be obtained from such activity in any one organization;



Winter Driving Tips

- Avoid driving while you're fatigued. Getting the proper amount of rest before taking on winter weather tasks reduces driving risks.
- Never warm up a vehicle in an enclosed area, such as a garage.
- Make certain your tires are properly inflated.
- Never mix radial tires with other tire types.
- Keep your gas tank at least half full to avoid gas line freeze-up
- If possible, avoid using your parking brake in cold, rainy and snowy weather.
- Do not use cruise control when driving on any slippery surface (wet, ice, sand).
- Always look and steer where you want to go.
- Use your seat belt every time you get into your vehicle.

Tips for long-distance winter trips:

- Watch weather reports prior to a long-distance drive or before driving in isolated areas. Delay trips when especially bad weather is expected. If you must leave, let others know your route, destination and estimated time of arrival.
- Always make sure your vehicle is in peak operating condition by having it inspected by a AAA Approved Auto Repair facility.
- Keep at least half a tank of gasoline in your vehicle at all times.
- Pack a cellular telephone with your local AAA's telephone number, plus blankets, gloves, hats, food, water and any medication in your vehicle.
- If you become snow-bound, stay with your vehicle. It provides temporary shelter and makes it easier for rescuers to locate you. Don't try to walk in a severe storm. It's easy to lose sight of your vehicle in blowing snow and become lost.
- Make sure the exhaust pipe isn't clogged with snow, ice or mud. A blocked exhaust could cause deadly carbon monoxide gas leak into the passenger compartment with the engine running.
- Use whatever is available to insulate your body from the cold. This could include floor mats, newspapers or paper maps.
- If possible run the engine and heater just long enough to remove the chill and to conserve gasoline.

Tips for driving in the snow:

- Accelerate and decelerate slowly. Applying the gas slowly to accelerate is the best method for regaining traction and avoiding skids. Don't try to get moving in a hurry. And take time to slow down for a stoplight. Remember, it takes longer to slow down on icy roads.
- Drive slowly. Everything takes longer on snow-covered roads. Accelerating, stopping, turning-nothing happens as quickly as on dry pavement. Give yourself time to maneuver by driving slowly.
- The normal dry pavement following distance of three to four seconds should be increased to eight to ten seconds. This increased margin of safety will provide the longer distance needed if you have to stop.
- Know your brakes. Whether you have anti lock brakes or not, the best way to stop is threshold breaking. Keep the heel of your foot on the floor and use the ball of your foot to apply firm, steady pressure on the brake pedal.
- Don't stop if you can avoid it. There's a big difference in the amount of inertia it takes to start moving from a full stop versus how much it takes to get moving while still rolling. If you can slow down enough to keep rolling until a traffic light changes, do it.
- Don't power up hills. Applying extra gas on snow-covered roads just starts your wheels spinning. Try to get a little inertia going before you reach the hill and let that inertia carry you to the top. As you reach the crest of the hill, reduce your speed and proceed down hill as slowly as possible.
- Don't stop going up hill. There's nothing worse than trying to get moving up a hill on an icy road. Get some inertia going on a flat roadway before you take on the hill.
- Stay home. If you really don't have to go out, don't. Even if you can drive well in the snow, not everyone else can. Don't tempt fate.

UCLS Convention 2015 News

The UCLS 2015 Convention is scheduled for February 18-20, 2015 in St. George. The keynote speaker will be Chuck Karayan. Registration will be from 12:00 noon to 1:00 p.m. on Wednesday with classes Wednesday afternoon. Thursday and Friday will be full days. You may register for the convention online.

UCLS has contracted with 4 hotels for discounted rates for Convention attendees. Some reservations need to be made 30 days in advance of the convention for these rates to apply.

Hilton Garden Inn - \$95 King, \$105 2 Queens - ask for UCLS rate 435-634-4100 or 1-877-STAY-HGI or register online at: <http://hiltongardeninn.hilton.com/en/gi/groups/personalized/S/SGUGIGI-UCLS-20150217/index.jhtml>

Fairfield Inn - \$95 King, \$95 2 Queens - ask for UCLS rate 435-673-6066

Clarion Suites - \$90 2 Queens with pullout, \$80 King with pullout, \$80 2 Queens - ask for UCLS rate 435-673-7000 or 800-245-8602

Crystal Inn - \$90 Double, \$80 Single - use Group Code: CLS215-435.688.7477 or 877-688-7177

Six reasons why you - and your employees - should attend the UCLS Conference

1. LEARN

No matter how many years of experience you have under your belt, everyone has something new to learn. Aside from the obvious benefits of obtaining required professional development hours, taking advantage of educational opportunities give you a new perspective. Take time to evaluate the schedule and strategically plan which employees will attend which session for maximum benefit to your company.

2. NETWORK

Learning does not only happen during seminar sessions. Meeting industry colleagues give you a chance to learn which current productivity strategies are working for them. Despite the popularity of online sharing, there is something powerful in meeting face-to-face. Important decisions and ideas often start from a simple conversation initiated over lunch. Learning from each other may increase competition in the field, but it makes our profession better. It is also a good opportunity to meet new suppliers and vendors and see what equipment is new to the market. Did I mention networking?

3. VISIBILITY

Being visible at industry events positions you and your company as an expert.

4. REGAIN FOCUS

After a busy summer schedule and holiday season, the UCLS Conference in February is the perfect time for employees to regain focus for the upcoming year.

5. SUPPORT THE FUTURE OF THE PROFESSION

The higher up the professional ladder you climb, the more likely it is you need to hire staff. How are you going to hire local, qualified professionals if were not cultivating professional education and outreach for our new graduates? Support the Education Scholarship Auction by donating items for bid and showing up for a fun night of good food and conversation during the silent and live auctions. The person you help send to college may be your future superstar intern or staff member.

6. SHARE

After learning new information and perspectives, having fun connecting with professional colleagues, and regaining focus on careers - it will be easy to spread this knowledge and inspiration throughout your company.

IT'S WORTH EVERY PENNY

Dastardly Deed

Page 1 of 4
Instrumen: 121 31 5
ALPR Book: 2009 Page: 1 3
2/25/2009 10:47:11 AM
County, AL
Judge of Probate
Recording Fee: \$20.00
Taxes: \$19.50
Totals: \$39.50

WARRANTY DEED

This instrument prepared by

(Name) GERALD L.

(Address) 2045 County Road Alabama 360

JOINT TENANTS WITH RIGHT OF SURVIVORSHIP

I Gerald L. . . . , an individual with an address of 2045 Co. Rd. 123 AL
Being married to Mary Frances . . . , in consideration of \$1.00 and other good
and valuable consideration to Grantor paid, the receipt which is acknowledged, does
hereby grant, bargain, sell, convey and warrant to, James Steven . . . , & Sandra
. . . , the following property.

That certain parcel of land particularly described as, beginning at the north east corner of J.W. Huetts, north 160 feet, west 276 feet, south 160 feet, east 276feet.

To have and to hold unto the said Grantees as joint tenants, with right of survivorship, their heirs and assigns, forever; it being the intention of the parties to this conveyance, that (unless the joint tenancy hereby created is severed or terminated during the joint lives of the grantees herein) in the event one grantee herein survives the other, the entire interest in fee simple shall pass to the surviving grantee, and if one does not survive the other, then the heirs and assigns of the grantees herein shall take a tenants in common.

And we do for ourselves and for our heirs, executors, and administrators covenant with the said grantees, their heirs, and assigns, that we are lawfully seized in fee simple of said property; that they are free from all encumbrances, unless otherwise noted above; that we have a good right to sell and convey the same as aforesaid; that we will and our heirs, executors and administrators shall warrant and defend the same to the said grantees, their heirs, and assigns forever, against the lawful claims of all persons.

IN WITNESS WHEREOF, we have hereunto set our hand(s) and seal(s), this

2nd day of February 2009

WITNESS;

Sandra (L.S.)



That certain parcel of land particularly described as, beginning at the north east Corner of J.W. Huetts, north 160 feet, west 276 feet, south 160 feet, east 276feet

The Perception of Bank notes as Money

Paper currency first developed in the Tang Dynasty in China during the 7th century, although true paper money did not appear until the 11th century during the Song Dynasty. The usage of paper currency later spread throughout the Mongol Empire.

Originally, money was based on precious metals and bank notes were seen as an I.O.U. or promissory note: a promise to pay someone in precious metal on presentation. With the gradual removal of precious metals from the monetary system, bank notes evolved to represent credit money, or "Fiat Money" - money backed by the credit of a government - not precious metals.

Gold as a Currency & Store of Wealth

At present there are 177 currencies being used in the world. Excluding the early paper currencies of China up until the 15th century and the majority of paper currencies that existed in China until 1935, there are 609 currencies no longer in circulation. Of these, at least 153 were destroyed by military occupation/liberation, renamed for political reasons, or were converted to another currency. The median age of these currencies is only seventeen years.

"Paper money eventually returns to its intrinsic value --- zero." - Voltaire (1694-1778)

Has your Contact Information Changed?

Change in your address, email, or telephone
Please contact UCLS with your updated information

or

Log onto the member section of the UCLSWebsite
<http://www.ucls.org/>

Provide correct username & password
Under the Searchable Membership Directory,
Click on my profile and make necessary corrections
Your Help Is Appreciated



**HELP UCLS
BECOME THE BEST IT CAN**

We are looking for volunteers to serve on our various committees. Get involved today! Call or email Susan to find out how you can make a difference

1861 Annual Report of the Commissioner of the General Land Office to the Secretary of the Interior.

TERRITORY OF UTAH.

By the original act establishing the territorial government, approved September 9, 1850, Utah contained 140,925,440 acres, which has been reduced to 84,044,880 acres, by the provisions of sections 1st and 21st of the act of Congress organizing the Territories of Nevada and Dakota, approved March 2, 1861.

No public lands have been surveyed in Utah since the year 1857, there being no land district organized for the disposal of 2,500,000 acres already surveyed, and no demand for purchase from the United States.

The surveyor general, with his limited clerical force, has been occupied in the examination of former surveys, executed under the late surveyor general, David H. Burr, against which sworn allegations of fraud had been preferred.

Mr. Burr's immediate successor has been engaged in the examination of surveys made by Charles Mogo, deputy surveyor, under his contract with Surveyor General Burr, dated March 6, 1857.

The late surveyor general, Mr. Stambaugh, after organizing an examining party, started for the field in the early part of the last fiscal year, and his report of the examinations made, dated September 10, 1860, disclosed disregard, on the part of the late surveyor general, of the laws governing the surveys, and, on that of his deputies, great delinquency in perpetuating the corner boundaries of their surveys in the field, and in the failure to plant corner posts of the requisite dimensions.

The examination of the surveys made under the administration of Surveyor General Burr has resulted in showing great remissness on the part of that officer in not providing proper checks upon his deputies, as required by law and instructions, to prevent the survey of lands unfit for cultivation.

The surveying account of Charles Mogo, United States deputy surveyor, growing out of his contract of March 6, 1857, with the late surveyor general of Utah, which, by the decision, dated the 27th of August, 1861, of the Secretary of the Interior, was directed to be adjusted upon the principles therein laid down, was reported for payment to the amount of \$4,173.63, instead of \$13,285.23. The amount which has been allowed and paid consists only of the per mileage due Mr. Mogo for standard and township lines, \$4,008.89, which work by law he had authority to survey, and \$144.74 for the subdivisional lines covering the extent of 5,000 acres of land, the surveyor general's report of the examination of Mr. Mogo's work in the field showing this extent to be fit for agricultural purposes, and consequently surveyable under the law and instructions.

Under said decision there was disallowed the sum of \$9,111.60, being charges of per mileage under his contract for the subdivisional survey of desert land, the survey of it being interdicted by law, which declares that "none other than township lines shall be run where the land is deemed unfit for cultivation." - (Statutes at Large, vol. 9, p. 497, made applicable to the surveys in Utah by the provision of the 1st section of the organic act establishing the office of the surveyor general of Utah, approved February 21, 1855.)

The late surveyor general of Utah reported against the continuation of the public surveys in Utah until a different policy may be devised by Congress to induce other than Mormon emigration to the Territory.

The region in the valley of Uintah river, a tributary of Green or Colorado river in Utah, situated about sixty miles south of Fort Bridger, is represented as the best agricultural lands, abounding in pine and other timber, watered by several streams affording valuable water power, and presenting great inducements to settlers.

It is reported that all the settlements heretofore made in Utah were established under the special direction of the Mormon church; that about the 1st of September, 1861, an exploring party left Salt Lake City, headed by the territorial surveyor general, preparatory to the settlement of this and other valleys, by one hundred and fifty families, who proposed removal for the organization of settlements. No public surveys have extended over the Uintah valley, owing to its isolation and hitherto uninhabited condition, except by the Indians. Explorations made during the last summer, by a surveying party, for a more direct overland route from Denver City, Colorado, to California, having passed through the valley of Uintah, and reported it well adapted for large settlements, and favorable for location of the overland route, seem to have given incentive to appropriation of the valley by Mormons.

The President, however, by order dated October 3, 1861, upon the application of the Indian office, has directed the reservation of the valley for Indian purposes, and the surveyor general has accordingly been instructed to lay down upon the map of Utah Territory the reservation, containing upwards of 2,000,000 acres, to be respected accordingly in future surveying operations.

As no land district has yet been organized for Utah for the sale or disposal of the public lands already surveyed, and no information has reached this office showing any general desire on the part of the people to acquire titles to the public lands from the government, no further surveys are now recommended - it being proposed, merely, to keep up the organization of the district through the surveyor general, now in custody of the surveying archives, until either the department shall deem it proper to close for a time the district, placing the archives in charge of some United States functionary, or until the policy of Congress in the premises shall be marked out by further legislation.

UCLS NEEDS YOU

Utah Surveyors may be sorted into three groups: active members of the Utah Council of Land Surveyors (UCLS), non-active members of UCLS, and those that are not members of UCLS. Unfortunately, the smallest of these groups is the active members of UCLS. Over the years, members have been encouraged to participate, or at the very least, attend a meeting and witness the work that is done. Regardless of your line of work, the benefits of belonging to a professional organization are many and include:

- **Protection of the Profession** - The UCLS keeps an eye on legislative proposals that may have an adverse effect on the surveying community. They are ready to confront those bills so that they are defeated or amended to protect the profession in Utah. The National Society of Professional Surveyors (NSPS) does the same thing on the national level. If you are a member of UCLS – you are also a member of NSPS.

- **Strength in Numbers** - A lone surveyor has little chance to challenge "City Hall" if their city or county has rules or ordinances that he/she feels are unfair or conflict with the regulations of the State. Opposition to an ordinance by a local UCLS Chapter representing dozens of surveyors will get attention. A letter from the UCLS Chair, representing hundreds of surveyors will get more attention than a letter from a single surveyor. A phone call from NSPS, representing tens of thousands of surveyors across the country, to a congressional representative in Washington D.C. will be heard! Over the past few years, NSPS has fought successfully against LightSquared's potential interference with the GPS signals and is currently battling the Department of Labor regarding the Davis-Bacon Act.

- **Learn Leadership Qualities** - By serving on Chapter and State Boards or part of a committee, you will improve communication, organization, and leadership skills that will help you in your own business.

- **Make Some Friends** - Meet your fellow surveyors. Talk about the common problems that you have. Your peers are often experiencing the same issues and have the same concerns that you do. At some point, you will have a difference of opinion with one of your fellow surveyors and it will be a lot easier to call them and discuss the problem if you already know them. It is easier to call a friend than it is to call a competitor.

Stay Educated - UCLS offers multiple opportunities each year for Continuing Education credits by attending Chapter meetings, Fall Forum, or Annual Conference.

• Potential Business Development



Often projects develop that might out of our area of coverage or expertise. When you need to get the job done it is simpler to call someone you know through the UCLS than someone you lack an association with.

Remember, this is a two-way street and will benefit you as well!

- **Professional opinion** - Surveyors are very opinionated and

somewhat stubborn! However, sometimes we face problems or circumstances that may need a second opinion. You are much more likely to seek out the opinion of a surveyor you know by your association with the UCLS than one from the phone book or website.

If you understand the benefits of a professional organization and are a member of UCLS, then you deserve a pat on the back. However, before you hurt yourself, consider the following questions: What have I done, since joining the UCLS? Do I attend the Annual Conference and/or any of the Chapter Meetings? Do I participate in any of the UCLS Committees? Would I accept an election nomination and respond positively when asked to serve?

UCLS relies on the efforts of its volunteer members. Unfortunately, UCLS cannot continue to go to the same well every year. In order to improve the profession, UCLS needs new faces, with new ideas and enthusiasm. The work that is being done by the UCLS benefits all surveyors of our State, members and non-members, active and non-active. The work is easier to do if more people are carrying the load.

Yes, it is a 30-minute drive across town to the site of the meetings. Yes, your daughter has ballet classes on Thursday night and your son's basketball games are on Tuesdays, but we are talking about your livelihood here!

Francis Bacon said "I hold every man a debtor to his profession; from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavor themselves by way of amends to be a help and ornament thereunto."

It is time to start paying our debt - before the profession morphs into something unrecognizable and/or disappears forever.

MEMBERSHIP BENEFITS

As the new membership year starts up, we would like to take a moment to thank you for being a member of UCLS. We look forward to working with you. Many of you have been UCLS members for years while others are earlier on in their career. Whichever one you are, it is always important to evaluate a return on investment. Are you getting the most of your membership or do you find yourself writing a check each year, only to think that it must be that time of year when UCLS wants their money?

Association memberships can be a valuable resource to your career - if you are taking advantage of the opportunities offered. Participation also makes an association stronger. Being a symbiotic relationship, the stronger the association, the more benefits it can offer its membership.

Here are a couple of ways to **maximize your membership value**:

SHOW UP

During this age of digital interface, it is easy to think communicating through an email or social media is enough. However, putting a face to your company name and attaching a memory of an actual conversation to that LinkedIn connection is invaluable. We know - you are busy. Just know that association events provide the opportunity to network with colleagues. As relationships form, it is easier to pick up the phone and call someone when you have a question, need help solving a dispute, or are ready to take the next big step in your career.



GET ENGAGED

Okay, so you showed up to the conference and now you are holding up the wall, silently keeping all your potential friends safe from the roof collapsing on their unsuspecting heads. Take a deep breath and stop being a wallflower. The truth is, nobody really *likes* networking. Some people are just better at it because they have experienced the rewards.

VOLUNTEER

Volunteering is a great way to become more visible to your professional community. It also feels good to have an impact on something you care about. UCLS desperately needs volunteers and input from its membership. Whether you participate on a chapter level, in a committee, on the Executive Board, or just helping at the registration desk at the annual conference – WE APPRECIATE THE TIME YOU GIVE US!

UTILIZE BENEFITS

There are a number of UCLS and NSPS programs set up to save members' time and money so take advantage of these opportunities. For a list of some of the benefits, go to <http://www.ucls.org/> or <http://www.nsp.us.com/> If you want to add more value to the association, join the party by participating.

By talking with fellow members and utilizing available opportunities, the value of your UCLS membership will be increased. Additionally, your network will grow and your professional career will be enhanced. The best part - you support an association specifically created to support our profession.

SEE YOU AT THE CONFERENCE

2015 ANNUAL AWARDS BANQUET



- **UEC Engineer of the Year**
- **UEC Engineering Educator of the Year**
- **Fresh Faces of Engineering Award**
- **Outstanding MESA Teacher Award**
- **University Engineering Student Scholarship Awards**

Saturday, February 28, 2015

Rio Tinto Stadium

9256 South State Street, Sandy, UT 84070

Social Reception 6:00 – 6:30 PM

Dinner 6:30 – 7:30 PM

Awards Presentation /

Keynote Speaker 7:30 – 9:00 PM

Keynote Speaker

Federal Emergency Management Agency's
National Office of Response and Recovery
"Pre and Post Disaster Event —
What Engineers and Cities Can Do"

For Tickets:

Visit the UEC website or Contact Charles Vono
UEC Secretary/Treasurer at:

charlesvono@comcast.net (801) 745-5879

Completed Registration Form is required and may be found on the UEC website.

Tickets General Admission \$65

Student and Retired Senior \$45

Purchase of Table of 8 will receive priority seating.

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Please contact Brian Warner (brian@mcneileng.com)
for display space

Salt Lake County Surveyor - Job Opportunity

Requisition Number: 15-2955
Job Title: Survey Technician
Salary: Grade 23/ \$18.50 Hourly/ \$38,480.00 Annually
Grade 25/ \$20.36 Hourly/ \$42,348.80 Annually

Salary Grade: 23/25
Opening Date: 02/11/2015

Closing Date: 02/25/2015

Position Type: Full-Time

Work Hours: 40

Work Location: Salt Lake County Government Center - 2001 South State Street

Important Information: This position is subject to being called to work prior to or after the scheduled shift in response to emergency situations. Applicants must have the ability to push, pull or lift survey equipment weighing up to 100 pounds on a regular basis. This position requires working outdoors with constant exposure to heat, cold, dust, noise, fumes and traffic hazards.

Position Description:

JOB SUMMARY

Performs, under general supervision, a variety of tasks related to land and engineering survey work for County projects.

MINIMUM QUALIFICATIONS

GRADE 23

Associate's degree from an accredited college or university in Surveying, Drafting, Pre-engineering or Geographic Studies plus one (1) year of experience in a related field; OR three (3) years of experience in a related field; OR an equivalent combination of education and experience.

GRADE 25

Associate's degree from an accredited college or university in Surveying, Drafting, Pre-engineering or Geographic Studies plus two (2) years of experience in a related field; OR four (4) years of experience in a related field; OR an equivalent combination of education and experience.

Must have or be able to obtain a valid Utah driver's license in order to operate a County vehicle.

ESSENTIAL FUNCTIONS

- Operates and maintains field office and survey equipment.
- Assists Crew Chief in field calculations, data collection and evaluation. Maintains complete and accurate survey field notes and assists in entering such notes in the County Surveyors database.
- Assists Crew Chief in the deployment and use of safety equipment and traffic control procedures to insure compliance with federal, state, and county regulations
- Maintains the accuracy and integrity of Salt Lake County survey control network.
- Assists in the monument preservation permit checking process.
- Reads and interprets pertinent survey descriptions.
- Recovers, manufactures, installs, repairs, references and maintains an inventory of survey monuments and supplies. Coordinates disbursements of monuments.



APPLY AT
<http://admin.slco.org/humanResources/jobs.aspx>
or Jobs.SLCO.org