

The UCLS Newsletter



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“Far and away the best prize that life offers is the chance to work hard at work worth doing.”

-Thomas Jefferson



Where is it?

Do you recognize this unique stone marker? It represents an inspiring tale of folklore and memorializes the last of its kind in Utah. If you are the first to correctly identify the stone marker and its location, you become eligible for a free luncheon at your next chapter meeting.

Answers may be emailed to srmer-rill@ucls.org. The earliest received date and its time of response will determine the winner.

In This Issue:

The contact information for UCLS Board and Chapter officers has been updated. Surveyor Sam provides ideas on why we should take pride in our work and profession. Ernest Rowley submitted a newspaper article reprint regarding the Pioneer Observatory in Temple Square - see

February’s what is it newsletter. The benefits of belonging to NSPS are explored and an interesting mapping conundrum at Utah Valley University was submitted by Dale Robinson.

Unfortunately, we failed to invite four new UCLS members to share their profile and therefore the “getting to know our members” section will not be included in this newsletter. However, we do present new UCLS members and recognize the latest licensed professional land surveyors in the state of Utah.

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

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Another Trick or Two

by: Sam Surveyor

Who's going to notice anyway? I live in a subdivision that my company did not do. As I walk to church, I notice the sidewalk and curb. I'll make a comment to my wife about it. You see the park strip is 5 ft. wide at the first of the block and 2 1/2 ft. at the other end. The curb also has a couple of "wow-ies" along the way. The road is to be straight. She tells me I say something every time we go to church and follows with the comment who's going to notice anyway?

Have you ever noticed your attention in the areas you visit? The improvements, the fences, how buildings and houses are laid out, the monuments in the street. I think that sometimes I'm the only one around that looks at such detail. I always look. I always notice. I was hiking on top of the Wasatch ridgeline and saw 3 or 4 monuments. I read every word on them and looked off in the distance to see what kind of control point this monument must have been placed here. The rest of the scouts just wanted to huck rocks or think of some way to pry it loose and destroy it. I also noticed .22 pocks on them. Why do I notice? Why do I care.

When I started out as a young buck rear (butt) chainman, I could care less about such stuff. Well I'll be, there is a nail in the curb, what's that for? Over the years I am constantly looking, noticing, and thinking. This slow but meaningful transformation has started as little wonder into how I can make a difference. I call it pride and I know to some we should avoid pride-fullness, but this is a good thing. As we pour our energy into this profession and see the fruits of our labors, we smile and say to our close ones, "I built that".

I like to think that I have made a good mark in this world. I have work that I am proud of. I have projects that I can put on my resume that will take notice. I have found that I take more time to look over the site of survey to see if all is right. When I am working on the drawing I find myself asking is this clear? Is it neat? Am I ready to put my name and seal on it?

There have been times when pressure to get it done or tight budgets have caused me to do less than my best. I am not happy about them and more often than not, I regret the work. I would like them to be blotted out, and there not. I'm sure some other surveyor has walked by and asked "what was he thinking"? I can't take a big eraser and re-do it. I have to live with it and know that others see my work and notice as I do.

How can we pay attention to detail? How do we develop the mindset that quality is the real objective? How can we be more forgiving of the mistakes of others and resolve to move forward together? Such questions can only be answered with experience and over the years I'm still learning, still trying to produce the perfect survey, still noticing. I noticed and it's enough to do better because I care and I've put my life into this profession I love.

I hope to see you in the trades, I mean fields. Remember, I'm pulling for ya.

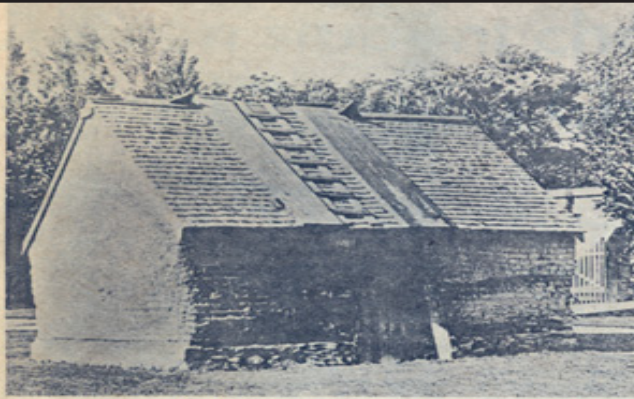
Golden Spike Chapter

by: Dave Balling

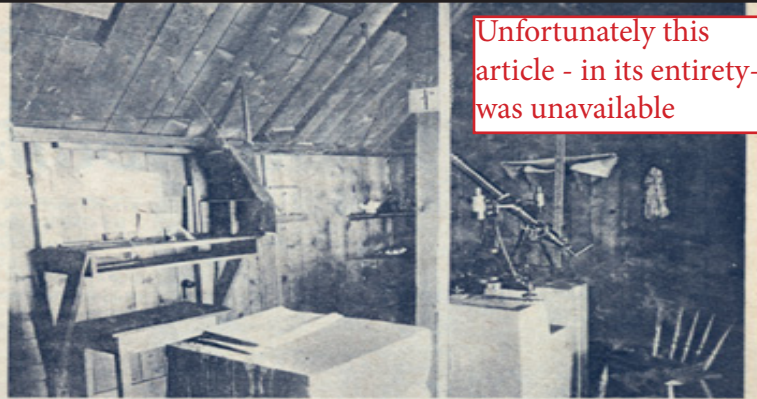
The Golden Spike Chapter will meet at 12:00 noon on Thursday, April 3rd at the Layton Golden Corral. This is just off I-15 on the East side South of the Antelope Drive exit. Our speaker will be Steven Dale who is the chairman of the UCLS Ethics Committee. He will tell us how the committee works and the projects they are working on.

April 24 is also a Thursday and our lunch. It will be held at the Ogden Golden Corral at 988 S. Washington in Ogden. Henry Peterson of the U.S. Forest Service will address us. He will inform us about government contracts on the forest lands. He will also relate some of his experiences in the fields.

We will continue to have our meetings each month and keep you informed. Even if you're not a member, please come and enjoy with us.



Slots in roof could be uncovered for easier sky-scanning.



Interior view shows Pratt telescope mounted on meridian stone.

Unfortunately this article - in its entirety - was unavailable

Orson Pratt was first LDS astronomer

BY GOLDEN A. BUCHMILLER
Church News staff writer

Pioneer observatory built in 1869

A small adobe observatory that stood on Temple Square past the turn of the century was a silent monument to Orson Pratt, the Church's first astronomer and mathematician. The structure was built by the federal government in 1869. However, it was often used by Orson Pratt, both to assist the government in its observations of the stars, and to observe them on his own.

Pratt, the boy received his first schooling at New Lebanon, N.Y. At 11 he hired out on a farm, but continued to attend school during the winter months. At 18 (1829) he enrolled in a boarding academy to study geography, grammar and surveying.

religion until the autumn of 1829. At that time he began to pray fervently for spiritual light and guidance. About a year later, while he was living at Canaan, N.Y., two elders of the Church came into his neighborhood and held meetings.

store for him. On Nov. 4 the future apostle had his answer:

"My son Orson, hearken and hear and behold. . . blessed are you because you have believed; and more blessed are you because you are called of me to preach my gospel — to lift up your voice as with the sound of a trumpet, both long and loud, and cry repentance. . . And if you are faithful, behold I am with you until I come. . ." (D&C 34.)

arranging the Book of Mormon into chapters and verses and writing books. Some included "Divine Authority," "Kingdom of God," "Remarkable Vision" and "Divine Authenticity of the Book of Mormon." He wrote countless tracts on the basic principles of the gospel.

At separate times in Kirtland, Ohio, Elder Pratt taught an evening grammar course and took an eight-week class in Hebrew from a Professor Sixas, visiting from New York. Later, Elder Pratt headed a mathematics school at Nauvoo.

Of the period Elder Pratt

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A tribute to him by Elder Orson F. Whitney on the 100th anniversary of Orson Pratt's birth noted that whether he

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The revelation was a call for Elder Pratt to serve as a missionary, and he responded. Twenty or more times through the remainder of his life he was called formally to serve as a missionary or mission president. As one of the leading scholars in the Church he performed other tasks such as

Of the period Elder Pratt wrote: "I occupied much of my leisure time in study, and made myself thoroughly acquainted with algebra, geometry, trigonometry, conic sections, differential and integral calculus, astronomy and most of the physical sciences. These studies I pursued without the

Elder Pratt used the observatory and his mathematical ability to "weigh the earth, compute distance in space, time the revolutions of distant suns, and chart the courses through space of planetary systems." (Deseret News, Nov. 23, 1935.) He died in 1881 at the age of 70.

A tribute to him by Elder Orson F. Whitney on the 100th anniversary of Orson Pratt's birth noted that whether he "was in school or out, his studious mind was always at work. . ." At intervals he picked up arithmetic and book-keeping, the speaker said. Later he became proficient in algebra and calculus.

One of them was his older brother, Parley P. Pratt. Parley baptized Orson on his 19th birthday (Sept. 19, 1830) and the new convert decided he wanted to meet the Prophet Joseph Smith.

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Continued on page 13

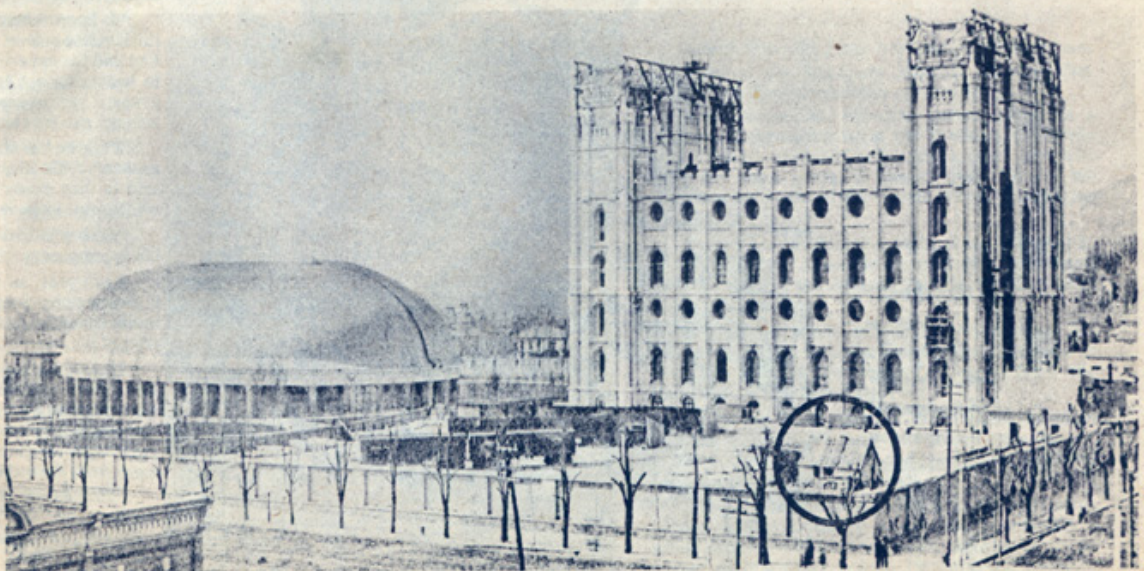
Science was just an avocation with Elder Pratt despite his great interest in it. It had to be. His main priority was the Church, and as a member of the first Council of the Twelve in the new dispensation, he gave prodigious service.

Though a frequent reader of the scriptures, Orson Pratt was not deeply concerned about

Accordingly, during the next few weeks he made his way to Fayette, N.Y., 200 miles away, where the Prophet confirmed Orson Pratt a member of the Church and ordained him an elder. Elder Pratt then asked Joseph Smith to inquire of the Lord what He had in

President Wilford Woodruff said of Elder Pratt at his funeral "that he had traveled more miles, preached more sermons, studied and written more upon the gospel and upon science, than any other man in the Church."

Orson Pratt appears to have enjoyed normal educational opportunities as a child in the early 1800s. As the next-to-youngest of six children of Jared and Charity Dickinson



Photos courtesy of Church Historical Department.

Observatory (circled) was constructed in southeast corner of temple grounds.



It Pays to Belong

How NSPS benefits members/ the profession:

Advocacy Program

- Political Action Committee (PAC)
- US Congress
- Federal Agencies
- Assistance on state specific matters (if requested)
- Other geospatial organizations
 - International Federation of Surveyors (FIG)
 - Coalition of Geospatial Organizations (COGO)

Education

- ABET-Lead Society for surveying/geomatics program evaluation for accreditation
- Scholarship Program – 15 annual awards

Licensing/Standards

- NCEES – Participating Organizations Liaisons Council (POLC)
- ALTA/ACSM Land Title Survey Requirements
- NSPS Model Standards

Outreach Opportunities

- Trig-Star
- Boys Scouts Surveying Merit Badge
- National Surveyors Week

Certification Programs

- Reduced rates for Certified Survey Technician Program
- Hydrographic Certification opportunities

Media

- NSPS News and Views weekly newsletter – Sign up by visiting <http://multibriefs.com/optin.php?nsp>
- NSPS Radio Hour on www.americaswebradio.com 11:00 am Eastern every Monday
- Like us on Facebook
- Follow us on Twitter @nspinc
- Visit our Blog at dualfrequency.blogspot.com

Member Discount Programs

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- NSPS Apparel through Lands' End – http://ocs.landsend.com/cd/frontdoor?store_name=NSPSINC&store_type=3

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- NSPS Exclusive Insurance Program – Assurance Risk Managers
- 888-454-9562
- www.arm-i.com

Other Insurance programs available

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http://www.schinnerer.com/product_info/design_firms/land-surv.html

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 800-424-9883
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Automotive

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2. Choose your tires and/or rims
3. Use coupon code **GDNSPS14** at checkout and save 6% instantly
4. Choose one of our local professional installers – products will be delivered fast, in most cases, free to the TireBuyer installer
5. Head to the installer and have the tires/wheels installed on your vehicle

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Image courtesy of the Koretec Group, UK



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It's OUR WEEK, and BEYOND!!!!

By: Curtis W. Sumner

Through individual resolutions several years ago, both the U.S. House of Representatives and the U.S. Senate designated the week in March following the third Sunday as National Surveyors Week each year. We, individually as professional surveyors, and collectively through our organizations, are responsible for letting the rest of the world know about it.

NSPS provides information on its website about how to get involved, and is this year providing information for how individuals or groups of surveyors can participate in an effort to provide data to NGS that can be used in the transformation of the National Vertical Reference system. There are a number of activities planned nationwide that will introduce people to our profession while participating in this effort, including state and local National Surveyors Week proclamations.

It is important, though, that we do not restrict our outreach to one week (or one day) each year. In order to garner the understanding of, and respect for, our beloved profession we should think of every day as Surveyors Day be offering share the story, not only of our history and our personal experiences, but also about the exciting future for our profession and the opportunities that lie ahead for young people to be a part of that.

During the upcoming NSPS Spring meetings in San Diego in April, the annual NSPS Student Competition finals will be held and there will be a meeting of the international Young Surveyors group, providing a venue for we , the aged, to directly interact with our future leaders. The NSPS TrigStar program will be coming to its conclusion for the 2014 competition with the announcement of the national champion. These are only a couple of examples for how we can/should reach out.

In my travels around the country, I regularly hear the genuine concern in the voice of my fellow professionals with regard to the future of the surveying profession. The only way we can positively affect what the future will be is to get engaged in doing the things we need to do to ensure that the future is indeed bright. Doing so individually is important. Doing it collectively is critical.

So let's enjoy National Surveyors Week. Tell everyone that we know how proud we are to be surveyors. But most of all let's get ourselves energized to continuously promote our profession to the world, all of the time.

The
UTAH COUNCIL OF LAND SURVEYORS
Congratulates
the following newly Licensed Land Surveyors

- Glenn Thomas Torgersen
- Ryan Michael Versteeg
- Harold Maurice Gay, Jr
 - Cliff Riley Lindsay
- William Edward Pugh
 - Steven J. Hyde
 - Ry Patrick Rusk
- Mitch Scott Barreras
 - Jeffery Whitson
 - Brock J. Slaugh
- Kenneth Burt Hawkes
 - Justin Gale Ness
- Shawn Ryan Vernon
- Aaron Daniel Willis
- Matthew Reese King
- Michael Dennis McGuinness

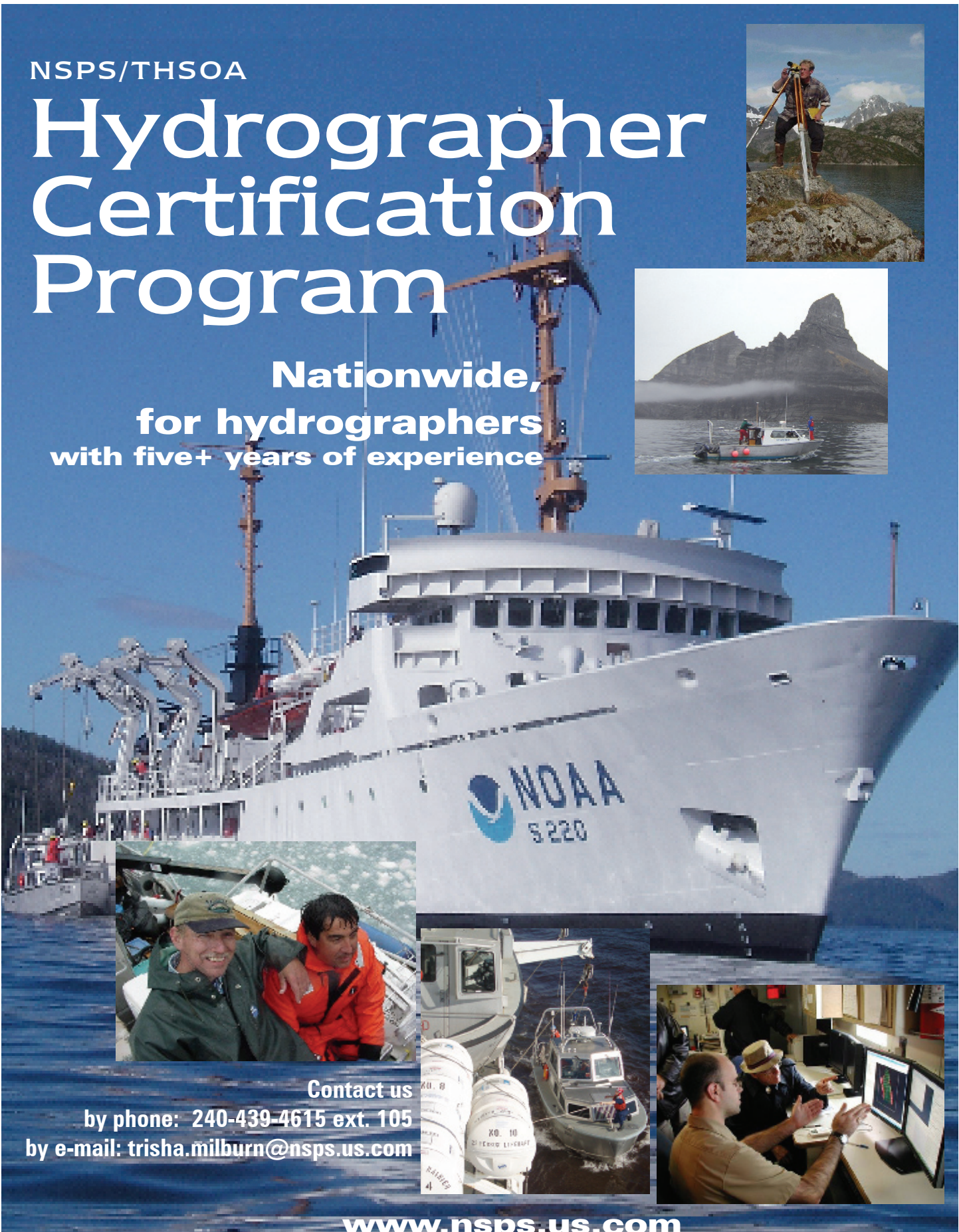
The
UTAH COUNCIL OF LAND SURVEYORS
Welcomes the following new members:

- Gregory Wilson UVU Student
- Kevin Dawson Sunrise Engineering
- Christopher Caldwell SLCC Student
- Jason Felt Great Basin Engineering
- Terry Kessel US Forest Service
- David Hanrion US Forest Service
- Daniel Milligan Weber County
- Kevin Thompson Thompson Engineering
- Shawn Vernon Stantec
- Christopher Hilsman ESI Engineering
- Damien Blevins Granger Hunter
- Kent Setterberg Salt Lake County
- Brian Mitchell SLCC Student
- Ryan Versteeg Towill, Inc
- Scott Crookston Cache Landmark

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NSPS Insurance Program has made a long-term commitment to the land surveying and design professional industry by establishing an insurance program to offer competitively priced policies custom-fit to your specific operations and needs. Our sales agents have extensive experience and in-depth knowledge with the insurance coverage, loss control/risk management, and claims handling required for the land surveyor and/or the design professional.



Working with our multi-carrier partners, the NSPS Insurance Program offers flexible coverage with highly competitive pricing. The program provides industry-specific insurance products via coverage forms written specifically for land surveyors, civil engineers, and GIS professionals that work within municipal, commercial and residential arenas. Our flexible program includes but not limited to; land surveyors who specialize in boundary or property surveys, topogrammetric surveys, photogrammetric surveys, construction stakeouts, geodetic or control surveys, mapping or cartography, and other survey or design related services.

Coverage Options: General Liability ● Surveying Equipment/ Inland Marine Floater including Equipment breakdown ● Personal Property ● Property Off-Premises ● Computers/Media & Data ● Valuable Papers ● Automobile ● Umbrella/Excess ● Workers' Compensation ● Errors & Omissions/Professional Liability ● Pollution Liability including contractors job site ● Employee Benefits Liability ● Bonds

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UVU Student Marks Map To Help Others, Is Charged With Criminal Mischief

(KUTV) A Utah Valley University employee and student, was arrested slammed into a wall, and tossed to the ground. This was in part because of a small change she made to an incorrect wall map inside one of the buildings of UVU.

Ginger Anderson, 48 who works in the information center at the university and is also attending the school, says on the first day of classes back in January she noticed many new students were having trouble getting to classes because of a wall map inside the Brownling building. The map in question was being displayed upside down.

Anderson, who spends much of her work day directing students to their proper classes, informed a university employee that the map was incorrect. The employee then used a marker to make some changes to the map, soon after so did Anderson.

She says she corrected the compass, and wrote in marker that the map was upside down. Two days later a couple officers from the UVU police department visited her and told her they intended to arrest her for criminal mischief. A shocked Anderson refused to go with officers to the police department and was thrown to the ground and arrested.

She says the department used unwarranted force and complained. The Utah County Sheriff's Office conducted an independent review and found that Anderson was resisting, both passively and actively, and found that the office did not break any laws or violate protocol.

You can watch the entire video right here: http://www.kutv.com/news/top-stories/stories/vid_10015.shtml

February - What Is It?



The monument, shown in the February 2014 Newsletter is an Astronomical Station. Amazingly, the UCLS membership failed to correctly identify its location and purpose.

On Tuesday, August 3, 1847, Orson Pratt and Henry G. Sherwood began surveying Great Salt Lake City from a point designated by President Brigham Young. From this point, city streets were laid-out in a grid-like pattern in all cardinal directions.

In August 1855, United States Surveyor-General, David H. Burr, accepted this point as the initial point of public land surveys in Utah. A stone monument was erected to memorialize its location. Excepting for a small area in the Uintah Basin, all parcels of land

in the state of Utah are connected to his monument.

Under the direction of George W. Dean, of the United States Coast and Geodetic Survey, an astronomical station was established inside the walls of the Temple Square. Located 100 feet north and 50 feet west of the initial point, its primary purpose was to determine true latitude and longitude; however, it was also used to determine the correct time. The astronomical station was used until December 30, 1897.

Dastardly Deed

Enfeoff ??

Cons. less than \$100

KNOW ALL MEN BY THESE PRESENTS THAT I, Anna L. Heath, widow of Chesham in the County of Cheshire and State of New Hampshire, for and in consideration of the sum of One and More Dollars, to me in hand, before the delivery hereof, well and truly paid by ANNA L. HEATH of Chesham, New Hampshire, and Sally Heath Rives of Beverly Hills California, as joint tenants and not as tenants in common the receipt whereof I do hereby acknowledge, have given, granted, bargained, sold and by these presents do give, grant, bargain, sell alien, enfeoff, convey and confirm unto the said Grantees as joint tenants and their heirs and assigns, forever,

No, that isn't a typographical error (I Googled it). "Enfeoff" or "Enfeoffment" under the European feudal system, was the deed by which a person was given land in exchange for a pledge of service. In China and some other South East Asian countries, from the time of the Zhou Dynasty (1046-256 BCE) relatives and descendants of the ruling family were granted enfeoffments in return for pledging to protect the King or Emperor in times of war. Now that I know what it means, I have to wonder about the need and value of including it in this deed. Perhaps the scrivener was getting paid by the word?