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PLSW (Professional Land Surveyors of Wyoming; PO Box 8, Chevenne, WY 82003) is a statewide organization of Land Surveyors registered to practice in the Equality State of Wyoming. PLSW is dedicated to improving the technical, legal, and business aspects of surveying in the State of Wyoming. PLSW is affiliated with the National Society of Professional Surveyors (NSPS) and the Western Federation of Professional Land Surveyors (WestFed).

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WYOMING/S. DAKOTA-NEBRASKA STATE CORNER MONUMENT BY JOEL EBNER

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By: Michael H. O'Donnell

2018 PLSW SUSTAINING MEMBERS

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Special Rates apply for PLSW Chapters and cover placements.

For more information please contact Jack Studley.

PRESIDENT'S MESSAGE

Whom do you work for?

This is a question that I address constantly during the construction season, especially as we gear up and expand crews with summer hires. The answer can range from simple to complex, but it usually is never the name on the door of the survey truck.

Anyone with more than one week of field experience knows the situation. You are on a construction site and someone comes over and asks if you can put in some other points "real quick". A subcontractor doesn't like the engineer's design and knows a better way to do things so he is requesting you to change your staking. While replacing the limits of construction the contractor just quickly asks you to move the points over a couple of feet to the edge of the cleared Right-of-Way. Do you make these changes? Have these changes been approved? Is someone trying to have you cover up a construction mistake? These situations happen and can be rather intimidating for new crew chiefs, summer hires, or anyone without prior experience on the project.

When working on projects, Professional Land Surveyors have our standards of practice; so in one aspect we are always working for the public as a whole, while also working for the company/person who executed the work order. It is those situation where we get conflicting direction during a project that I would like to address.

During construction projects it is common for an Engineer or Architect to be contracted as the owner's representative to ensure that during construction the best interests of the owner are being protected. Engineers also get contracted to perform construction management and inspection to ensure the project is being built in accordance to the engineered design. For these projects it is cut and dry that they are working for the project owner, protecting the design they paid for, while also keeping the protection of the public in mind as well.

Have you ever been hired as a professional land surveyor by the owner during the construction phase of a project? As licensed professionals should we also be hired by the owner to protect their best interest and the design?

I'm assuming that, like most projects I have been involved with, your contract is with the contractor and in-turn you are working for them during the project. This usually will not create conflicts as most contractors pride themselves on their professionalism, but what about those other contractors or shady field hands? These are conversations worth having with the survey crews under your direction as they likely will not have been privy to the signed contract and all of its details.



With the field crews often being the eyes and ears for the office, they are sometimes placed into ethical dilemmas in the field that they will have to address. What should they do if one of the contractors asks them to make a change to the design? What should they do if the contractor has decided to skimp on construction staking and the field crews determine that the project may not be constructed as designed? Should your crews stop work on the project due to unsafe conditions they are witnessing? Often times your field crews will be put in conflicting situations; so what should they do, after all you might be working for the contractor.



Hopefully these conversations make it from the field and back to the office where the project managers can address the situation. Every project manager is different and every conflict is unique and the resolution will depend upon the individual. Open discussion about these situations can ensure that all parties involved understand the issues and hopefully common ground can be sought for a solution. If not, there may be situations where contracts are terminated and you both move on in separate ways.

Small scale projects usually do not warrant these issues as construction survey requirements can be minimal; but there is a point at which the involvement of the surveyor becomes critical. Sometimes the design will dictate the increased surveyor involvement, other times it is the size and scope of the project. What I am discussing is not an across the board change in construction contracts, but a recognition of projects that would be better served if surveyors were contracted to work for the owner. Educating the owner to the advantages of hiring the Surveyors along with the Engineers as owner representatives will be different for each project and at times may not be needed at all.

It is my opinion that Surveyors would be better off being hired by the project owner and then coordinating with the contractors for construction staking needs for the entirety of the project. Having the owner coordinate with the surveyors to define a scope of work for the project will relieve the contractor from trying to reduce survey costs to a minimum while also ensuring a quality product. This could also reduce the conflicts that arise when a contractor wants to make modifications without change orders or proper notification; relieving the field crews of the dilemma of representing the contractor or the project. I feel this would help change the perception of our profession as a line item budget cost in a bid package to a profession that is there, along with the Architects and Engineers, to ensure that the project is completed properly.

Geno Ferrero, PLS President, Professional Land Surveyors of Wyoming

ANNOUNCEMENTS

Topics

* Highways, Byways and Private Roads *



Technical Session

Where: Ramkota Inn Casper, WY When: November 1st & 2nd Speaker: Wendy Lathrop

LINES AND POINTS ARTICLE ROTATION SUBMISSION SCHEDULE BY CHAPTER

Responsible Chapter	First Call Date	e Last Call Date	Publication Date
Southeast Chapter	THANK YOU!!	(SEE "COMMON CORNER REDEDICA	ATION" IN THIS ISSUE)
Laramie Valley Chapter	September 1	September 15	October 1, 2018
Upper Platte Chapter	December 1	December 15, 2018	January 1, 2019
Southwest Chapter	March 1	March 15	April 1, 2019
Northeast Chapter	June 1	June 15	July 1, 2019



Dear Surveying Colleague:

NCEES invites you to participate in an important survey about the content of the Fundamentals of Surveying (FS) exam. The results of this study will be used to update the specifications for the exam.

Participants will complete an online questionnaire about the fundamental knowledge required of a candidate with a bachelor of science degree in surveying to work in a manner that safeguards the public.

This content review survey is being sent to surveying practitioners, ABET-accredited surveying programs, and technical societies. The responses to this survey will be used to determine the content tested on the FS exam. A high rate of return on the survey will help ensure the validity of the resulting exam. All responses will be confidential.

If possible, please complete the survey today. It will take 20 to 30 minutes. The survey will be live through August 20, 2018, and all surveys must be completed by this date.

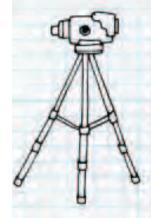
We also ask that you forward this email to surveying colleagues who may be interested in participating. NCEES requires a cross section of professionals—including licensed professional surveyors and academics teaching surveying courses—to complete the survey.

If you have any questions, please contact NCEES at <u>FScontentreview@ncees.org</u>. Thank you in advance for your time and assistance.

Sincerely,

Cheryl Warren, Ph.D., P.E. NCEES Exam Development Engineer





JOB DESCRIPTION AND RESPONSIBILITIES

WWC ENGINEERING IS ACCEPTING APPLICATIONS FOR A SURVEYOR IN OUR SHERIDAN, WY OFFICE. THE CANDIDATE MUST HAVE EITHER WYOMING FLS CREDENTIALS OR AN LSIT ON TRACK FOR WYOMING LICENSURE. THE SURVEYOR WILL WORK UNDER THE DIRECT SUPERVISION OF LICENSED ENGINEERS AND SURVEYORS. TYPICAL DUTIES WOULD ENTAIL DVERSEEING AND PERFORMING SOUNDARY SURVEYS, ROW SURVEYS, STAKING OF OIL & GAS WELL LOCATIONS, AND PLAT PREPARATION. THE SUCCESSFUL CANDIDATE MUST BE PROFICIENT WITH TRIMBLE SURVEY EQUIPMENT AND TRIMBLE SUSINESS CENTER: POSSESS STRONG COMMUNICATION AND PROBLEM SOLVING SKILLS; EXHIBIT A HIGH ATTENTION TO DETAIL; AND WORK EFFICIENTLY IN A TEAM ENVIRONMENT. SPECIAL CONSIDERATION WILL BE GIVEN FOR EXPERIENCE WITH AUTOCAD CARLSON AND/OR CIVIL 3D PLATFORMS. THE CANDIDATE WILL BE RESPONSIBLE FOR OVERSIGHT AND CODROINATION OF MULTIPLE SURVEY TECHNICIANS AS WELL AS PERFORMING INDEPENDENT SURVEYING ACTIVITIES.

TRAVEL IS REQUIRED AND THE CANDIDATE MUST HAVE A VALID DRIVER'S LICENSE. WORK CONDITIONS ARE DEMANDING, BUT REWARDING.

COMPANY INFORMATION

WWC ENGINEERING IS A MID-SIZE, MULTI-DISCIPLINARY EMPLOYEE OWNED ENGINEERING FIRM THAT HAS BEEN SERVING THE ROCKY MOUNTAIN REGION SINCE 1980. OUR CULTURE IS ONE OF UNITY, COLLABORATION AND RESPECT WHICH AFFORDS A GREAT WORK ATMOSPHERE AND A COMMUNITY THAT STRIVES FOR MAINTAINING A HEALTHY WORK-LIFE BALANCE. WWC'S MAJOR SERVICE SECTORS INCLUDE CIVIL/SITE, ENVIRONMENTAL, LAND DEVELOPMENT, MINING, MUNICIPAL, DIL & GAS, PLANNING, ROADS/BRIDGES, BURVEYING, WATER/WASTEWATER AND WATER RESOURCES SERVICES. AS A PREFERRED EMPLOYER, WWC OFFERS ONE OF THE MOST COMPETITIVE SALARY AND BENEFIT PACKAGES AVAILABLE IN A FUN AND REWARDING WORK ENVIRONMENT.

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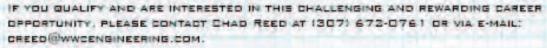
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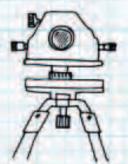
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SURVEYORS HISTORICAL SOCIETY

presents



September 12-15, 2018

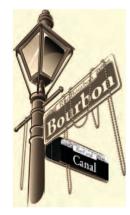
Astor Crowne Plaza French Quarter New Orleans, LA

SURVEYORS RENDEZVOUS 2018

Surveyors Historical Society has teamed up with Ralph Gipson (many of you will remember Ralph from the Bilby tower project), the local chapter of the Louisiana Society of Professional Land Surveyors, and other prominent local surveyors and historians to put on a "Rendezvous to Remember".

- New Orleans was founded in 1718 by Frenchman Jean-Baptiste Le Moyne, Sieur de Bienville, on high ground 100 miles from the mouth of the Mississippi River. The original city was centered around the Place d'Armes, which is now Jackson Square. After a hurricane destroyed most of the city in 1722, the streets were laid out and rebuilt in a military-style grid that defines today's French Quarter.
- You will have the opportunity to celebrate 300 years of New Orleans history through presentations, a field trip and visits to some special museums. We have lined up some great speakers who are passionate and knowledgeable about local surveying history. Our own Milton Denny will report on his project to monument the Initial Point of the St. Helena/Washington Meridians.





- Our conference hotel, the historic **Astor Crowne Plaza**, located on the corner of Bourbon and Canal Streets, is available to conference registrants for the unheard-of rate of \$105 per night. Bourbon Street and the French Quarter are literally at our doorstep! Across Canal St., walk or board a trolley to visit other attractions such as the World War II Museum and the Garden District. We have included ample **free time** to explore the city.
- Rendezvous 2018 will kick off Wednesday, September 12th with our traditional **Welcome Reception**. On Thursday, we'll have sessions at the hotel, with lunch included. Friday will begin with breakfast and a quick orientation at the hotel, followed by a field trip and demonstration of the French surveying instrument, the *compass*. In the

afternoon, visit sites such as the Historic New Orleans Collection and the New Orleans Notarial Archives. Walk to the venues, or use the

optional all-day City Sightseeing Hop-On/Hop-Off Bus. Rendezvous '18 will conclude with the fabulous **Saints and Sinners Ball.** (*Are you a Saint or a Sinner? Come dressed appropriately!*) New this year: We'll be doing a raffle instead of the usual auction. More time for "hospitality"!



We've worked hard to keep registration costs as low as possible, so several meals will be "on your own". Hundreds of restaurants, from fast food to gourmet cuisine, are within easy walking distance of the hotel. (The famous "Breakfast at Brennan's" costs less than continental breakfast at the hotel. And beignets at the Café Du Monde are a New Orleans specialty not to be missed! Gather up some old (or new) friends, then hit "The Quarter" or come to the spacious Hospitality Room at the hotel. (So many restaurants, so little time.)

PROGRAM

WEDNESDAY, SEPTEMBER 12TH

- Board of Directors Meeting
- Welcome Reception
- Orientation
- Annual Membership Meeting
- Hospitality Room (after meeting)

THURSDAY, SEPTEMBER 13TH

- Breakfast on your own
- Morning Speakers
- Lunch at hotel (included)
- Afternoon Speakers
- Dinner on your own
- Hospitality Room

FRIDAY, SEPTEMBER 14TH

- Breakfast at hotel (included)
- Orientation
- Morning: Field Exercise

- Lunch on your own
- Afternoon:
 - Historic New Orleans Collection
 - o New Orleans Notarial Archives
- Saints and Sinners Ball Come dressed as a Saint or a Sinner, in period attire "normal" clothes.
 - o Cash Bar
 - o Banquet
 - Raffle Articles will be on display throughout Rendezvous. Buy your tickets and place them in the bags by the items of your choice.
 - o Hospitality Room (after the banquet)

SATURDAY, SEPTEMBER 15TH

 Optional Historic River Cruise aboard the Creole Queen (buffet lunch included)



- Digital Aerial Photography
 LIDAR
 Mobile Mapping
 - Topographic Mapping
 Orthorectified Imagery



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C ENGINE ENIVO

Call for Presentations

Wyoming Engineering Society 2019 Convention

The Wyoming Engineering Society Annual Convention is the Society's only membership event. It is the single annual opportunity where the Society membership gathers for continuing education opportunity, vendor interaction and product review, professional group meetings and social networking.

The Convention program is designed to have technical and educational components that meet the needs of the engineering profession. The program provides benefits to attendees on an educational and professional level and value to their employers by enhancing staff's technical, managerial and leadership skills.

A. Target Audience

The Convention target audience is the engineering profession across all disciplines (civil, mechanical, electrical, structural, etc.) and levels of experience, with emphasis on the profession in Wyoming. The surveying profession is also a participant; however, survey track presentations are not solicited through this call for presentations. Rather, those wishing to present on technical survey topics should contact the Professional Land Surveyors of Wyoming organization (PLSW.org)

B. Convention Topics

The program topics cover seven key areas (See attached Table A). Each topic has a set of sub¬topics that define presentation opportunities within these broad topic areas. Prospective presenters should select the topic area for the general subject and the specific sub-topic to describe the presentation.

- 1 State of the Industry
- 2 Professional Development
- 3 Multi-disciplinary Technical
- 4 Natural and Man-made Disasters
- 5 History & Heritage and Significant Projects
- 6 Strategic Issues / Public Policy
- 7 Vendor Products and Services

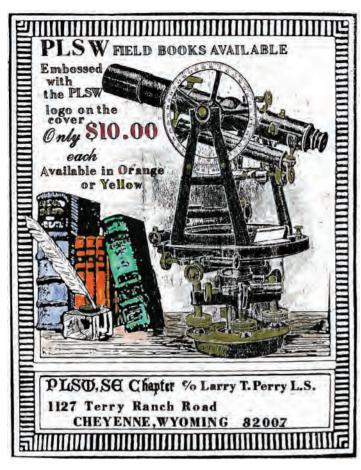
C. Convention Program and Sessions

1. Program sessions are scheduled throughout the Convention from February 6, 2019 through February 8, 2019 between 8:00 a.m. and 5:00 p.m.

- 2. Authors may submit a full or partial session idea and the Technical Program subcommittee will work with the submitting author(s) to merge similar ideas within a category to create a session. Sessions may be either Concurrent (most common), roundtable, or panel discussions.
- 3. Submitting a proposal to the Convention constitutes an agreement that, if your proposal is accepted, the author(s) will register for the Convention (as a Presenter at no cost), attend the Convention, and present their work in person.
- 4. WES provides no stipend, travel, or lodging for presenters. Presenters, with the no cost conference registration, do receive conference meals and may attend sessions and social functions at no cost.

D. Submission Information

- 1. Submit presentation proposals electronically or directly to the Vice President of WES
 - -Murray Schroeder at mschroeder@wwcengineering.com.
- 2. Include presenters full name, telephone number and email address.
- 3. Proposal must be free of personal/corporatespecific marketing, except for those presenting under Topic 7.
- 4. Both the main topic and a sub-topic must be identified to be considered.
- 5. Program Abstract (100-200 words): Describe the session topic and its relevance to the Convention and participants, what the attendees will take away from the session and how the presentation will be conducted (e.g., lecture style, roundtable discussion, panel discussion, etc.). Provide enough detail to convey all of the aspects of the topic the speakers intend to discuss in a session.
- 6. Session Format: Describe proposed format for how the session will be conducted—including the number of speakers, anticipated manner of audience participation, and other similarly related information.



ATTENTION!

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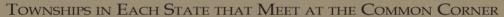
Contact Secretary/Treasurer: Olian T. Shockley Olian_Shockley@msn.com or phone 307-875-0146

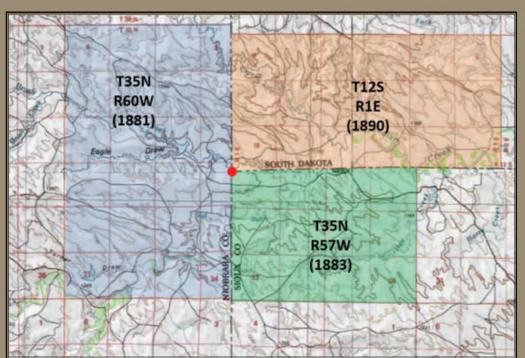


Wyoming / Nebraska-South Dakota Common Corner Rededication

June 9, 2018

The Common Corner site was originally dedicated on September 6, 1989, by surveyors from surrounding states. The original plaque and fence had come into disrepair, prompting interested surveyors from the three common states to gather at the site on June 9, 2018, and to place a new plaque and do necessary repairs at the site.





The three fractional townships that connect at the Common Corner are T35N-R60W of the 6th PM (Wyoming 1881); T35N-R57W of the 6th PM (Nebraska 1883); and T12S-R1E of the BHM (South Dakota 1890).

Since the fractional township in Wyoming was surveyed first and because of convergency, Ranges 58 and 59 West of the 6th PM do not exist at this location.



THE COMPLETED PROJECT



LAND SURVEYORS REPRESENTING THE THREE STATES: JOHN LEE – WYOMING, STEVE PETERS - SOUTH DAKOTA AND CASEY SHERLOCK - NEBRASKA.

group of Land Surveyors from Nebraska, Wyoming and South Dakota got together on Saturday, June 9th and spent the day rehabilitating rededicating and corner common to the three states. The group met in Crawford, Nebraska at 9:00 a.m. and carpooled out to the site, arriving around 11:00. After a short discussion on what needed to be done the group went to work. The items that needed most attention were the chain-link fence surrounding the site, which was straightened reinforced with and additional posts, and the original plaque, which was replaced with a more durable bronze plaque.

After the work was Nebraska complete surveyors Gene Thomsen and Jerry Penry recounted the history of the two monuments located at the corner, along with the surveys which had taken place along the boundaries between the three states. Next, pictures were taken and afterwards the group spent some time searching for an additional monument which was set in 1883 by George W. Fairfield approximately chs. to the north. Unfortunately the location fell in a large drainage that was prone to flooding and was not located.

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CORNER MONUMENTS - ORIGINAL 1874 CHAFFEE MONUMENT ON THE RIGHT, 1893 JENKINS MONUMENT ON THE LEFT.



Chaffee's Description of 1869

The point is commemorated by a white limestone monument 5½ ft. long 1 ft. square for one ft. from the top down, and below of an octogonal shape. It is inscribed on the North side "27° W. L."; on the East face "43° N. L."; on the South face, "138 M. 22 ch. 67 lks." on the west face "Wyoming". It is surrounded by a mound of earth and stone 7 ft. in diameter at its base, 6 ft. in diameter at the top and 3½ ft. high. It stands in a small broken hollow, without any natural objects available for witnesses and nothing striking to the attention. The surface raises toward the N. E. & W. and furnishes nothing which would attract

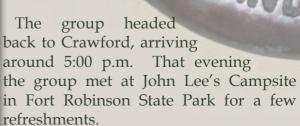
attention, or furnish materials for

a sketch.

(Other monuments placed along the Nebraska-Wyoming border were square cottonwood posts in earth mounds with pits.)



Group Picture, left to right: Jerry Penry, Steve Peters, Don Brush, Casey Sherlock, Rex Heiden, Gene Thomsen, Carl Gilbert, Bailie Gilbert, John Lee, Joel Ebner, Jeremy Davis, Dick Kohler, Ryan Lorenzen.



WILTSE'S DESCRIPTION OF 1874

Intersected the 27° of Longitude West from Washington. My convergency N. to true line from this point will be 27 chains and 43 links, but in measuring North intersect the North West Corner as established by Mr. Chaffee, at 22 chains and 13 links, showing my intersection to be 5 chains and 31 links North of the true North West Corner of the State of Nebraska.

I adopted Mr. Chaffee's corner as correct and corrected my line to correspond therewith.

Note. I found the Stone monument which Mr. Chaffee placed at the N.W. Corner of the state lying on the ground. The mound that was placed around it had been removed or torn down on the east side so as to let the stone fall in that direction.

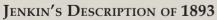
I re-erected the monument and re-built the mound.

CORNER MONUMENTS - ORIGINAL 1874 CHAFFEE MONUMENT
ON THE LEFT, 1893 TENKINS MONUMENT ON THE RIGHT.





CORNER MONUMENTS - ORIGINAL 1874 CHAFFEE MONUMENT ON THE RIGHT, 1893 JENKINS MONUMENT ON THE LEFT.



Set a quartzite monument 7 feet long, 10 inches sq., 3 ½ feet in the ground for the Terminal Monument. Marked 1893 T. Mon., 224 M, 12.13 C. on East side.

By N/WYO on south side.

By WYO/S.D. on north side and WYO. on west side and placed the Northwest corner of the old monument against the Southeast corner of the new Terminal Monument. Sept. 16th, 1893.

Wyoming surveyor dies at 107

By BRYAN CLARK bclark@postregister.com

Lloyd Baker, then 101, talks about his life as a surveyor during a 2013 interview at his office in Etna, Wyo. Baker, who died Monday at age 107, worked nearly until the day of his death.

Wyoming surveyor Lloyd Baker, a fixture at singles dances in Idaho Falls, died Monday at age 107. He was, according to some sources, the oldest man in the Cowboy State.

Baker worked nearly until the day of his death, according to Elcie Baker Walker, Baker's 88-year-old sister. He did not stick to the office, doing field surveying work instead while an assistant managed the clerical work.

"He was always a worker," she said.

Asked if she ever discussed the possibility of retirement with her older brother, Walker replied: "I wouldn't have dared."

Baker's long life took him many places. He spent

many years in California, Walker said. He taught for a time in Boise.

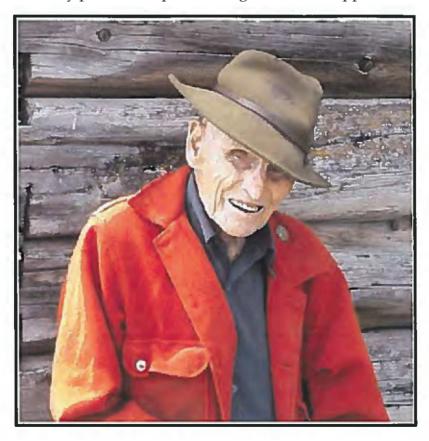
Baker was a noted presence at Mormon adult dances for singles for decades, telling a Post Register reporter in 2013 that his goal was to dance with as many "pretty ladies" as he could.

"He danced with all the women," Walker said.

Baker attributed his long life to his unusual diet — eating large amounts of butter and salt, avoiding homogenized milk, bleached flour and white sugar. He also said in 2013 that exercise was as likely to kill you as help you, and that hospitals were to be avoided because they were places people went to die.

Walker pointed out that the Baker family is generally long-lived. Many of her brothers, uncles and other relatives lived into their 90s, though none as long as Baker.

"I guess we're supposed to be oldies," she said.



Lloyd Braley Baker 1911 - 2018



Wyoming man drives to 104th birthday party

By Michael H. O'Donnell modonnell@journalnet.com May 24, 2015

Just showing up for your birthday when you're a 104 is quite an accomplishment. Driving from Star Valley, Wyoming, to Pocatello to shake hands is incredible. That's what Lloyd Baker did last week.

He jumped in his 1996 Honda manual shift car and drove the entire distance. By the way, Baker also works about 30 hours a week at his surveying business in Wyoming, Lloyd B. Baker & Associates, LLC.

"Retirement is for old people and I don't plan to get that way," Baker said as he prepared to have a slice of birthday cake at the Museum of Clean last week.

Lloyd keeps a pocket full of M&Ms with him at all times and gives them credit for part of his longevity. He also said it's important to eat natural salt and drink plenty of water.

"Everything we excrete has salt in it," Lloyd said.

His youngest sister, Elsie Walker, 85, of Afton, Wyoming, was on hand to slice the cake.

She said the family home in Star Valley was build in 1888 by her grandmother and it was the first home with a wood floor and shake shingle roof.

"She spent a winter in a tent and an overturned wagon and she decided she didn't want to spend another winter in a tent," Walker said about her grandmother.

Lloyd was one of nine children born to his parents and he said there was 14 inches of snow on the ground when he came into the world. Most of those children have lived into their 90s.

"It took two days for my father to come see me when I was born," Lloyd recalled.

He took an interest in engineering early in his life and graduated with a degree in civil engineering from the University of Wyoming in Laramie in 1940. His early career was with Bechtel Corp. where he did projects like laying out railroad tracks near San Francisco. That escalated into being responsible for nuclear power plants in Massachusetts and Connecticut.

He returned to Wyoming in 1973.

"I grew up on a small milk farm in Star Valley," Lloyd said. "We milked cows before and after school."

He attended a three-room elementary school in Etna, Wyoming and that where he developed his love of learning. He also loved baseball as he moved up to high school.

Lloyd became the team's pitcher.

"We played the best team in Star Valley and held them to one hit," Lloyd recalled.

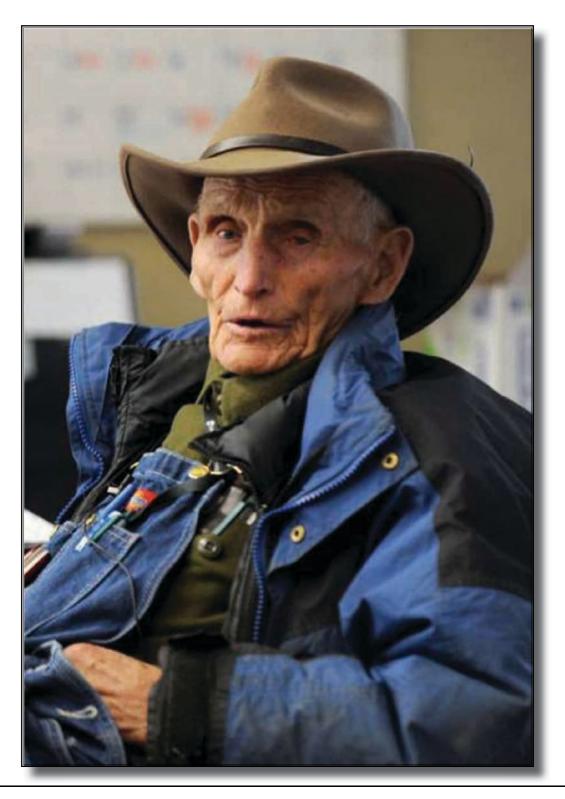
Success and longevity is not limited to Lloyd. His brother Wayne Baker, 91, and Dick Casull founded Freedom Arms in Freedom, Wyoming, back in 1978. The company started with mini-revolvers and has grown to produce the .454-caliber Casull revolver.

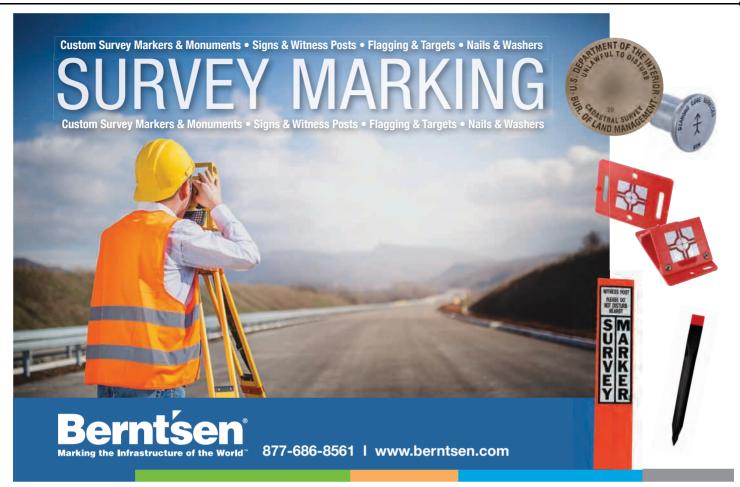
Lloyd's nephew and president of Freedom Arms today, Bob Baker said his uncle is incredible during last week's birthday party attended by family and friends from Wyoming, Utah and Idaho.

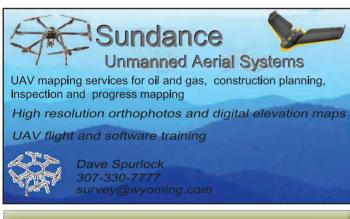
"He doesn't quit," Bob said.

Lloyd had a simple explanation for his more than a century on the planet.

"The more good I can do with my body, the longer the Lord's going to leave me here," Lloyd said.







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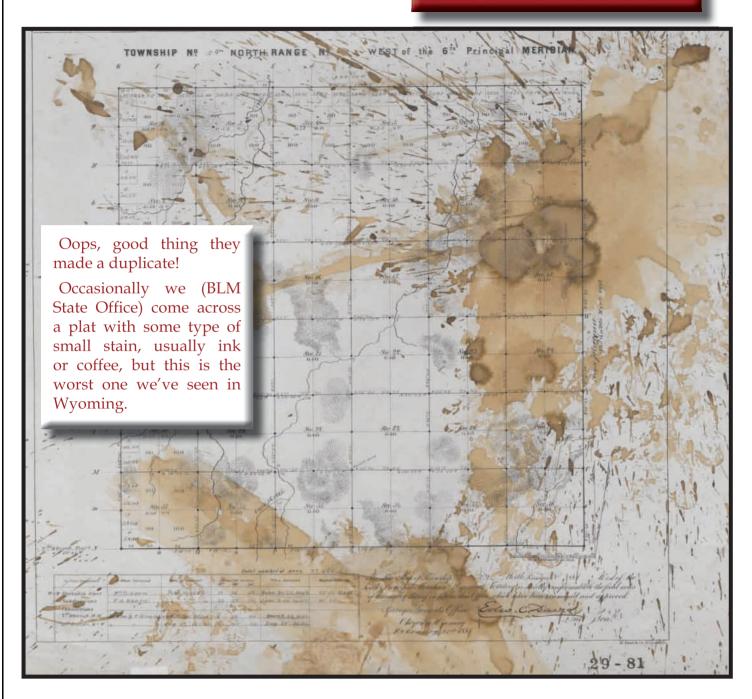
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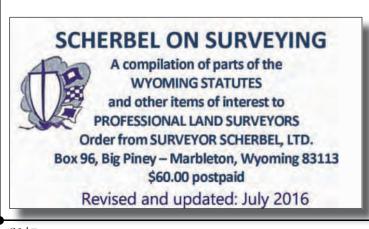




This picture was taken during a hands-on lesson presented to 28 fifth grade students at Bain Elementary in Cheyenne on March 21, 2018. The lesson was presented to the students by John Lee and Joel Ebner in conjunction with Wyoming Land Surveyor's Week.

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