

August 2011

SIDE SHOTS

Professional Land Surveyors of Colorado

Volume 42, Issue 3



THE SECOND INTERVIEW WITH THOMAS JEFFERSON

By Gaby Neunzert, PLS



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I would like to extend a warm welcome to all of those recent licensees who have taken advantage of their free first-year membership in the PLSC (which includes a subscription to this magazine), and I would encourage each licensee to participate in some way in the PLSC. As with any profession, you will find that we all need to continue our pursuit of knowledge and to stay abreast of technological advances and legal/regulatory changes. The PLSC offers you that opportunity, along with valuable networking opportunities with fellow professionals and potential clients. This kind of relationship building and continuing education will go a long way toward ensuring your success in the surveying profession.



The PLSC Board of Directors has approved a balanced budget for the remainder of 2011 and is currently working on the budgeting process for 2012. The Board will maximize the use of available funds by carefully prioritizing expenditures. The education committee is already working on plans for the 2012 Surveyor's Summit meeting, to be held next January. They are lining up vendors/sponsors at a first class facility, and compiling lists of pertinent topics and top-notch instructors. The legislative committee is currently working closely with DORA on sunset review of laws and rules affecting the surveying profession.

During my tenure as President of the PLSC, it is my goal to attend at least one meeting of each of the seven regional chapters. To date, I have attended the meetings or technical workshops of the Central, Northern, Southern and Southwestern Chapters. Each meeting offered an opportunity for me to become more familiar with the challenges faced by each chapter and to learn about exciting initiatives that are being pursued. I look forward to attending meetings of the Western chapter, Northwest 1/4 Chapter and the CSRN in the near future.

Now that we are at the peak of the summer surveying season, I hope all of you are experiencing an upswing in business activity.

Sincerely,
Roger Nelson, PLS, CFedS

FROM THE EDITOR

I would like to begin by extending my thanks to Dave DiFulvio, PLS who has been the PLSC delegate to the Western Federation of Professional Surveyors for 17 years, and has stepped aside for our newest WFPS delegate, Mike Bouchard. Dave has always been an articulate and well informed member of this association that represents the interests of western states on a national level. He has always taken an active role in issues that benefit the Colorado surveyor community, such as quality-based selection rules and guidelines (QBS), Davis-Bacon rules, and the preservation of records in abandoned railway corridors. His final report on the June Board of Directors meeting appears in this issue. As the other WFPS delegate, I will miss his insight and wisdom, and hope that he remains active in other PLSC roles in the future. Thanks, Dave!

This month our cover story is the second installment of "An Interview with Thomas Jefferson," a follow-up to the story that appeared in the November, 2010 issue of Side Shots. Author Gaby Neunzert has always been one of my surveyor heroes. Professor Nuenzert was the driving force behind the establishment of the surveying program at Red Rocks Community College, providing Colorado students with the opportunity for a hands-on, practical and less theoretical instruction in the subject. He also initiated the Surveyor's Mentoring Program, executed by Gene Kooper, which in part won Gaby the PLSC Surveyor of the Year award in 2005.

He has always had a gift for establishing a rapport with a student audience; he makes learning fun. This Jefferson article is another example of Professor Neunzert giving back to the surveying profession in a positive, educational way. His strong belief in education and his demonstration of professional ethics are a model for all surveyors to emulate.

In our last issue, I reviewed the new USGS circular by Dr. Bill Wilson, "Star Crossings and Stone Monuments – Field Astronomy by the Wheeler Survey in 1870's Colorado." It mentioned that some of the monuments were never found. Always up for a challenge, Deal Glorso, PLS contacted Dr. Wilson and pursued the location of the missing monument in Brighton. Dean presents us with his story on this fascinating bit of historical detective work, which culminated in a public display at the Brighton Culture Fest in June. This exemplifies what Side Shots is all about, an exchange of information among our members, and a way to draw people together of similar interests. Thanks Dean.

The ever-dependable Warren Andrews, PLS provides us with his 14th installment of his popular "Control Points" series, this month on the subject of the Mayan Calendar. And the seven regional chapters will bring you up to date on the goings on around the state.

I received word of the tragic drowning death of John Noonan, PLS, former President of the NW1/4 Chapter. There will be more on this in the next issue.

I would like to ask that any of you who know a Colorado surveyor who is not a member, or if you are someone who reads a handed down copy of Side Shots, please consider becoming a registered and participating member. Our ability to reach out to such people is limited, being an all-volunteer organization on a tight budget. A wider membership benefits the strength and influence of the PLSC, benefits the professional development of individual members, and benefits our profession and the members of the public it serves. Please, spread the word!

JB Guyton
Editor, *Side Shots*



Dave DiFulvio, PLS and departing delegate to the Western Federation of Professional Surveyors, displaying the certificate presented to him at the June, 2011 national conference.



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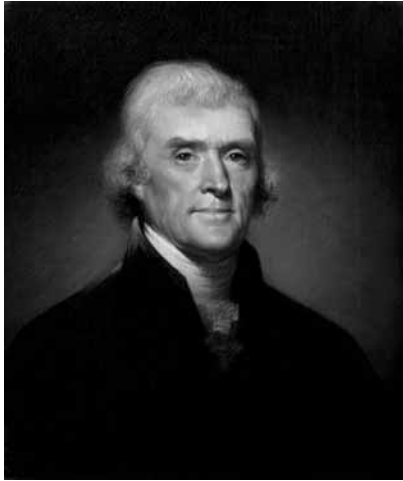
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The Second Interview with Thomas Jefferson

By Gaby Neunzert, PLS,
Professor Emeritus, Colorado School of Mines

*Editor's Note:
The first interview
appeared in the
November, 2010
issue, pg. 11 and
can be found in the
archives at
www.plsc.net*

G.P.S: I have lost track of the details over time, but could you please update me first what happened to the "Land Ordinance of 1784" and the "Northwest Ordinance of 1787", as well as the "Land Ordinance of 1785"?

T.J. Well, the first 2 ordinances (1784 and 1787) deal with the mechanism of how the western lands would be settled and governed before they became states. It is important to note that future states join the union as equals and not as subservient colonies. It outlaws slavery. The acts delineated in broad strokes the necessary population and area of the future states. To date, i.e. prior to 1800, three states, Vermont, Kentucky, and Tennessee have joined the union; the last was initially designated in 1789 as the "Territory South of the Ohio River".

The "Land Ordinance of 1785" established the basis for the Public Land Survey System as well as establishing the funding mechanism for public education, by designating Section 16 (and later also Section 36). It strongly reflected my belief (Jefferson's) that land ownership is an individual right and should not be given to large plantation owners, hence the subdivision and sale of individual sections. It also will set the precedent to reserve all or parts of the mineral resources (gold, silver, lead, copper and salt deposits) for the government.

(Note: This would later, in about the 1850's, be expanded into the mining laws.)

For surveyors, the wording of the legislation proved to be difficult when the concept of a "square" section or township on paper had to be expanded to the curvature of the real earth, where the meridians converge and the parallels are small circles. By law the "grid" was to be laid out with the meridians running true north-south and the east-west lines at 90° to them. In the dense forests of eastern Ohio and with the threat of hostile Indians in the 1780's, establishing a true meridian involved simply, as the narrative states, a magnetic compass. In the rare event of a visible northern sky, astronomic north could be ascertained by vertically aligning Polaris and Alioth, a handle star in the "big Dipper." (See Fig. 1 and Fig.2)

Determining the true meridian in the field is inherently more difficult than in an astronomical observatory, primarily because of a lack of shelter and the smaller size instruments used. Theoretically the meridian can be determined by observing the highest point in the

Cast of Characters

THOMAS JEFFERSON (1743-1826)

Chairman of committee dealing with measurements and western lands,
US Minister (Ambassador) to France: 1785 - 89
Secretary of State: 1789 - 93, 1793 French Academy of Science defined the metre.
President of US: 1801 - 1809

GEORGE P. SMARTY - Professional Surveyor
DOB: February 22, 1978

The interview

Following below is the second interview between Thomas Jefferson in early 1800, just shortly after his return from France, and George P. Smarty, as spokesman for the "modern" surveyors.

G.P.S: Mr. Secretary of State, it is now the year 1800 and it has been 16 years since we last spoke with each other. When you served as US minister to France you had ordered brass rods from them, to be used as a prototype for the "meter". What happened?

T.J: Sadly, I have to report that metrication of this country did not happen; the meter brass rods are now with the Coast and Geodetic Survey (later Bureau of Standards). During my absence in France, English units prevailed, and specifically the quadrangle was reduced to nominally 24x24 miles (there are some 24 miles east-west and 30 miles north-south), the townships were fixed at 6x6 miles and each section is now 1x1 mile with 5280 survey feet to the statute mile.

[Author's note: In 1890 the US received Prototype Meter # 21 and # 27 from the International Bureau of Weights and Measure (BIPM) in Paris. On April 5, 1893, Dr. Thomas C. Mendenhall, then Superintendent of the Coast and Geodetic Survey, issued Bulletin No.26, declaring these prototypes to be fundamental or primary standard of length, thus placing the US on the metric standard; roughly some 100 years after first proposed.]

trajectory of the sun or the stars, i.e. the meridian passage. Physically, for example the sun rises noticeably and then appears to “travel” horizontally for at least 5 minutes of time (the meridian passage) before again dropping. This characteristic makes it very difficult to obtain an accurate value with any handheld instrument, such as the astrolabe and sextant. Even with a tripod mounted instrument, such as a transit or theodolite, even an experienced observer is taxed to repeatedly and accurately determine a horizontal angle at the onset and then again at the end of the observation, with the mean angle then fixing the meridian alignment.

[Author’s note: the American usage of AM = *Ante Meridiem* and PM = *Post Meridiem* (Latin) comes from the practice of sighting the sun for the meridian passage to determine local time.]

When surveying production is of the essence, stopping all surveying operations for at least a half hour each day before and after local high noon to make a meridian observation is not very realistic, especially when the party is being paid \$2 per mile of survey. Sighting a star(s) for equal elevations and then splitting the horizontal angle for the meridian was probably first used by Mason and Dixon during the 1763 to

1767 survey of the boundary between Pennsylvania and Maryland.

Another method developed in the early 1800’s, and admittedly by modern standards only an approximation, was the determination of the meridian by sighting Polaris and Alioth. Figure 1, illustrates the constellations Ursa Major, Ursa Minor and Cassiopea circling the celestial north pole roughly every 23^h56^m. Undoubtedly by trial and error, it was found that an approximate meridian is sighted when Polaris and Alioth fall on the vertical crosshair of the instrument. The next day by sighting over the line, the variation or declination of the compass or circumferentor could be determined. It is only human nature that this same variation was used, no matter how long, until weather and visibility allowed a new “astronomical observation”, rather than the 2 day limit specified in some contracts. This procedure worked well but it did not take into account the daily and annual changes in magnetic variations, magnetic storms or magnetic anomalies such as the Iron Ranges in Minnesota or in the Rockies, etc. Finally, 21st century surveyors

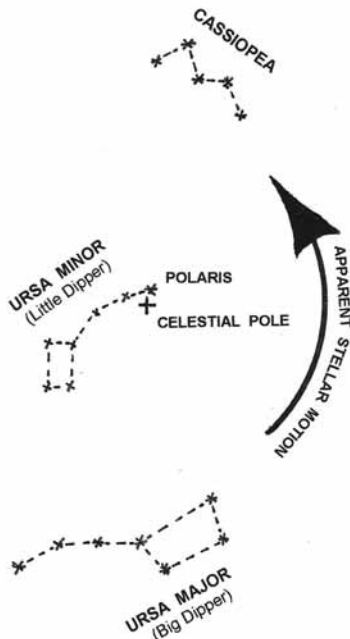


Fig. 1

CIRCUMPOLAR STARS ROTATING ABOUT THE NORTH POLE

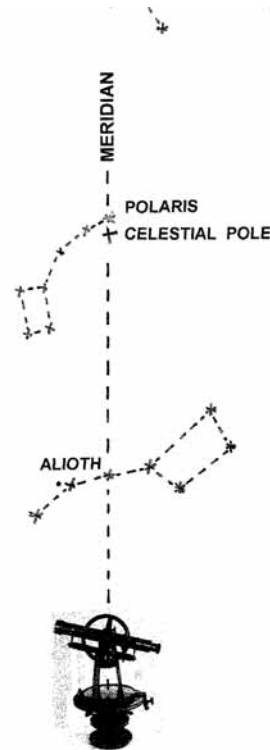


Fig. 2

APPROXIMATE MERIDIAN (North) ALIGNMENT ca. 1825

should note that approximate north can still be observed, but the vertical alignment should be from Polaris to the “end star in the handle” (Alkaid) since the geometric relationship of the stars in Ursa Major has changed over the years.

[Authors Note: On August 20, 1785, Thomas Hutchins as the US Geographer and 13 fellow surveyors “set a wooden post at or near the high water line on the North Bank of the Ohio River and on the west boundary of Pennsylvania”, (C. Albert White, 1983). (in 1956 a commemorative monument was set some 1400 ft north on the south side of the highway). The survey proceeded west with a 1/2 chain (33 ft) to be held horizontally and a common compass or circumferentor for direction. On May 9th and 12th, 1786, Congress passed a resolution to suspend the true meridian requirement and work proceeded with magnetic directions and no attempt was made to correct for the magnetic variation (declination), with the result that the west end (42 miles distant) of the Geographer’s Line is about 1 mile “south in latitude of the beginning point”, (C. Albert White, 1983).

In passing it should be noted that by following a “due west magnetic compass course” the resulting survey

approached a small circle path, rather than a straight line. Another problem, resulting in many lawsuits, was that for the initial surveys each township was surveyed with its own independent corners, rather than using the same corner for all adjacent townships as was later used. Even though very disappointed with the monetary results of the first government sales, Congress awarded 6 large tracts of land in what later became the state of Ohio. Especially with the Symmes Purchase, the private surveys were so badly executed that it clearly showed the necessity of having the land surveyed by government surveyors prior to sale; a policy later followed in many other places.]

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Control Points – Number 14

By Warren Andrews, PLS

Another Calendar

In Control Points No. 12, I mentioned the Gregorian calendar that a good part of the world uses today, at least the business part. But there is another calendar that there has been some interest in, based on human fears of the end of the world. The mis-translation and mis-perception really means the end of the present world age and the beginning of the new world age. The same concept is inherent in the precession of the equinox which is a new age of the zodiac approximately every 2,000 years as the earth's pole gradually wobbles around through the sky and makes a full "wobble" in 26,000 years. The ancients knew this; we've kind of forgotten it.

But there is another calendar to mark off large units of time and that is the Mayan Calendar. The interest has been that the end of the present world age (misperceived as the end of the world) is coming up on Dec. 21, 2012.

The cycles of the Mayan Calendar are similar in concept to trying to fit the travel of the earth around the sun to the phases of the moon, the week, and the different length months that we have currently in the West. You have two different periods of the sun and moon, one of 365 days, 5 hours, 48 minutes, and 46 seconds (365.2422 days) for the sun and 27 days, 7 hours, 43 minutes, and 6 seconds (27.3216 days) for the moon [sidereal month]. This means the two cycles coincide only once every 9979 days or 27 years, 124 days.

The Mayan Calendar had, of course, the 365 day solar year but not allowing for the quarter day extra meant their new year receded approximately 24.2 days every century. But their ritual calendar was 260 days composed of 20 day-names per their month and 13 numbers running consecutively as a separate cycle. Each day had to be designated by a name and a number that only repeated every 260 days with its ritualistic function by the Mayan priests. For keeping

track of the seasons there were 18 months of 20 days each with an extra 5 intercalary days called the "evil days" which were considered extremely misfortunate.

This combination of four cycles of 20 named-day months, 13 numbered days, 260 day ritual years, and 365 day solar years only coincided every 52 years. But a much longer series was also used. The 360 day period was called a *tun* and using a vigesimal system (by 20's) a *katun* was 20 *tuns*, a *baktun* was 20 *katuns*, a *pictun* was 20 *baktuns*, a *calabtun* was 20 *pictuns*, and the *kinchiltun* was 20 *calabtuns* (that's only 3.2 million years). The initial date of the Long Count correlates to

Aug. 12, 3113 B.C. in the Gregorian Calendar. (Interestingly if you play with the numbers, if you take 1 *katun*, which is 7200, times their 260 day ritual year, it's very close to the number of days from 3113 B.C. to 2012 A.D.)

December 21, 2012 is only the ending and beginning of one of the major Mayan calendrical cycles, not the physical end of the world. But according to the Mayan concept, the change point in the calendar was also a bad time both in human affairs and in natural disasters for some additional period of time because it had happened that way several times before, so be prepared!



This is a small section of the glyphs carved into La Mojarra Stela 1 at the museum of anthropology at Xalapa, Vera Cruz, Mexico. The left column shows the Long Count date of 8.5.16.9.7, or 156 AD (June 23, 156 AD by one calculation).



Chichen Itza Initial Series inscription. This date (glyphs A2, B2, ..., A5) is 10.2.9.1.9 9 Muluk 7 Sak, equivalent to July 28, 878 (GMT Gregorian).

STAR CROSSINGS AND 'ELUSIVE' STONE MONUMENTS

By Dean F. Glorso, PLS

Having uncovered an original stone just once in my surveying career, I've been only teased with the gratification such a discovery brings. After reading Editor J. B. Guyton's article in the May 2011 issue of *Side Shots*, and for the first time learning about Dr. William E. Wilson's USGS Circular 1362 on the Wheeler Surveys, my senses grew keen. JB's excellent summary of the article pointed out that the Brighton (Hughes) Astronomical Monument sent by Wheeler's crews in 1873 was never found by Dr. Wilson.

More than a hundred years after the Brighton monument was installed, I worked (from 1976 to 1978) as a survey draftsman and field surveyor for Lind Engineering, Inc. in Brighton. Remembering that Ed Lind, Sr., President, had field books in his office dating back to the early 1900's, it prompted a telephone call to long time friend and fellow Brighton surveyor, Allan Fredenburg, PLS. Neither Allan nor I had ever heard of the Brighton Astronomical Monument, but we both thought the old field notes might shed some light on the location. We made some inquiries, but to date the old books have not been recovered.

JB put us in touch with Dr. Wilson. Dr. Wilson was good enough to e-mail the following:

Dear Dean and others,

I was delighted to learn of your interest in investigating the Wheeler monument in Brighton/Hughes, installed in 1873, and that field notes may exist that might make some reference to the monument. The

coordinates provided by Kampf, Wheeler's astronomer, are as follows:

Longitude: 104° 48' 58.06" +/- 0.06"

Latitude: 39° 59' 24.09" +/- 0.03"

My experience in looking for the monuments is that the coordinates are helpful mainly to give a general idea of the location. In the case of Brighton, the original location seems pretty obvious from the map that Kampf provides (fig. 12 in my report) and from his written description — "The astronomical station was equidistant from the Denver Pacific and Boulder Valley Railroads, about 135 feet from the track of each. South of the monument was the railway office, with which was combined the telegraph office; north of it were two frame houses; and in a northeast direction was the water tank."

The wye is still there and I searched the area between the two tracks without finding any monument. When I first went there, the property was owned by a lumber company. I visited the company's offices and met with the owner, who told me that as a kid he used to play in that area and he did not recall ever seeing such a monument. I also chatted with some old-timers at breakfast at a donut shop nearby, and none of them had ever heard of it. I visited the local library and the town offices to see if I could track down any information, but without success.

In my view, the issue with this monument is not where it was situated, but what happened to it and where it is now, if it still exists. I am not a surveyor, but my understanding is that the coordinates computed in the 1870s need to be corrected to match coordinates of the same spot as determined from modern GPS readings. The correction (for longitude



Left to right: Allan W. Fredenburg, PLS; Dean F. Glorso, PLS; and William E. Wilson, PhD at the Brighton, Colorado Culture Fest June 4, 2011



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only?) is needed, I have been told, because of the difference in understanding of the dimensions of the earth between then and now (see endnote #135 of my report). Perhaps you or your colleagues know how to make this correction, and if so whether it makes a significant difference. I'd appreciate learning more about this aspect.

For your information, I have donated almost all my notes on this project to the archives of the Norlin Library at the CU campus in Boulder. But I kept my copy of volume 2 of Wheeler's final 7-volume report, which contains Kampf's report on the Hughes monument (p. 239-263). Both that library and the Denver Public Library have a set of the 7 volumes, but if there is more data or other info in the Hughes section that would be helpful to you, I would be pleased to provide it.

I wish you luck in tracking down this monument, and I would be extremely interested in learning of your results. Let me know if I can be of any further assistance.

Bill Wilson

As it turned out, we were very familiar with the abandoned Boulder Valley Railroad Right of Way, as the previous year, I completed a Topographic/Boundary Survey some 100 yards Northwest of the Old Stone's position. I printed Dr. Wilson's email and immediately jumped in my pickup to take the 4 minute ride from my home/office to the site. In reading Dr. Wilson's reference to the lumber yard, I guessed he had been searching at the still existent "Y" for the spur to the old sugar beet site. The old Boulder Valley tracks were several hundred yards South of the sugar beet tracks, and only a small portion of the rails still existed.

A few segments of track for the Boulder Valley Railroad still remaining along Cabbage Street gave me a point of reference to pace the 135 feet. After doing so, I tried to position myself equidistant between the Union Pacific Line and the Boulder Line as was pointed out in Dr. Wilson's e-mail. The site was pretty much weeds, a few volunteer trees, gravel like/dirt surface, with evidence of a homeless person's campsite. I scanned the area for any sign of an old stone. Near a power pole, I spotted a small chunk of stone like material sticking up slightly through the gravel surface. Eagerly I scratched the surface with my shovel, only to discover a ring of concrete left from a post-hole. A little more searching uncovered 2 more concrete post-holes in a NE/SW diagonal, indicating some sort of old billboard sign location. I continued to scan the area closer to the impoverished campsite and realized a change in color and texture of the soil. Further scratching with my sharpshooter shovel, revealed an almost square shaped light colored granular surface. Could this be remnants of the old stone?

Being pretty excited at the thought of finding the old remains of Wheeler's astronomical location, I took a photograph of the area. After pondering the position, I called Allan Fredenburg and asked if he'd come out to look at what I uncovered. Together we measured from the rails with a cloth tape, only to find some discrepancy in the 135 foot dimension as obtained from Dr. Wilson's e-mail.

The next day I set my GPS base station on a previously "set" temporary control point, and surveyed the location of the various mainline and siding railroad tracks. Then set four #5 rebars to outline the corners of what I believed was a significant difference in the soil type. Back in the office on the computer I played with several options of fitting the puzzle together. I decided using 135 feet as measured East-West verses perpendicular to the tracks gave me different answers to the position by some 50 feet in a North – South direction.

Assuming the stone that Dr. Wilson found in Georgetown was from the same stone quarry, I telephoned him to talk about my findings, and inquired about the color of stone material he found there. He was good enough to e-mail a close up photo of the stone in Georgetown for me to compare. After taking Dr. Wilson's photo to the site, it was hard to say if the color matched or not. I spoke with Dr. Wilson again and I decided to excavate a small amount of the granular material and mail it to his Georgetown address so he could make an actual comparison.

Using a mason's trowel, I began to pry up a good chunk of the stone material. Soon I had loosened a fist size piece and picked it up to examine. As I slowly rotated the granular object in my hand, I was shocked to see what was embedded there. At first I thought it might be a small ring, so I pried it away from the stone. As I cleaned off the object in disbelief, I realize it was a copper penny. Further scraping revealed the date of 1982! Not hardly old enough to be buried beneath an 1873 stone monument. The wind dropped from my sail, and I waited a full two days to discuss my findings with Dr. Wilson.

Meanwhile, Allan and I again probed other locations based on calculated search scenarios, but we struck out once more. After some pondering and conversation, I



Allan W. Fredenburg, PLS, shows a young Culture Fest goer the finer points of K&E Mountain Transit – June 4, 2011. The Transit is atop wooden Model of Astronomical Stone Monument constructed by Allan W. Fredenburg and painted by Dean F. Glorso.

decided to build a model replica of the lost stone and operate an information booth at the Brighton Culture Fest on June 4, 2011. (See photos) This endeavor turned out to be a very rewarding experience, as Dr. Wilson and his wife Kathie paid us a visit during the event. Many people at the Culture Fest were very interested in the monument and the old Brighton maps & photos we had on display. Allan and I especially enjoyed the young Culture Fest goers in awe as they looked through Allan's K&E Mountain Transit.

We'd like to thank all those who were more than willing to supply information and materials on Brighton, the Wheeler Surveys, and Professional Land Surveying of Colorado. The materials and information made the "dog and pony show" at Brighton Culture Fest a big success, but the mystery of the "elusive" stone still lurks in the hearts of some men.

2012 Colorado Refresher Course

The Central Colorado Professional Surveyors and the Professional Land Surveyors of Colorado are offering a comprehensive Land Surveying Refresher Course for 2012. This course offers a review and self-study plan for those taking the National Council of Examiners for Engineering and Surveying (NCEES) **Fundamentals of Surveying (FS) and Principles and Practice of Surveying (PS)** examinations. The course is designed to aid candidates in developing and expanding exam-taking proficiencies.

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Late-breaking news from NSPS

This press release was received from NSPS just before publication. — JB Guyton, Editor

It is moved that in the interests of leading toward a viable single organization, the ACSM Congress be disbanded and the dissolution of ACSM begin and in conjunction with the process, ACSM turn over all operation, control, assets and liabilities to NSPS.

And furthermore,

That the NSPS immediately proceed with a realignment into a unified organization made up of individual members with equitable representation that encompasses the broader definition of surveying to include professional surveyors, geodesists and other geospatial professionals; that the realigned organization adopt the following mission statement: "The mission of the organization shall be to represent and advance the sciences and disciplines of surveying, geodesy, cartography, and related fields through education and communication, in furtherance of public good."; that the realigned organization adopt a structure similar to that of NSPS; that the realigned organization take immediate action(s) to reduce administrative costs; that the realigned organization immediately develop a plan to attract new members in all of the disciplines of surveying, geodesy, cartography and related fields, and develop a marketing strategy.

In response to this motion, the Presidents of the three Member Organizations are prepared to work dili-

gently to create this new "unified organization".

Already the process has begun to appoint members from all MO's to a new Strategic Planning Committee to conduct a Financial Operational Analysis of the organization, including review and recommendation of Membership Categories and Rates. Shortly, we will charge committees to review and recommend member benefits, and develop a marketing plan for our "new" organization.

There are going to be unknown challenges in creating this new organization, but with each other's trust and determination we can succeed and create an organization that will reach out to all members of what is called the "geospatial" community: Licensed and non-licensed, boundary surveyors and construction surveyors, geodetic surveyors and mapping surveyors, GIS specialists and photogrammetrists, machine control and LiDAR specialists, cartographers and drafters, and any other related disciplines.

We ask your support and continued involvement in making this an organization that will grow and represent all of us in the future.

Sincerely,

William R. Coleman, President – NSPS

Curtis L. Smith, President – AAGS

Coleen M. Johnson, President - GLIS

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Western Federation of Professional Surveyors Board of Directors Meeting Report

June 11, 2011 in Las Vegas, Nevada

by: Dave DiFulvio, PLS, substitute Colorado Delegate, and Mike Bouchard, PLS, Colorado Delegate

Welcome Mike! Mike Bouchard attended his first WFPS meeting since being appointed Delegate, along with Dave DiFulvio (as substitute for J.B. Guyton). Guests included Li Zhang, NALS President. This was Dave's last meeting serving as a Delegate for Colorado. He has some final comments at the end of this report.

The major topic of discussion, again at this meeting, was the status and activities of **NSPS and ACSM** regarding the pending withdrawal of NSPS from ACSM and the re-structure of ACSM. In the past meeting report, we had included a Resolution from WFPS that urged participation in the ACSM reorganization committee efforts by NSPS, provide better communica-

tion by NSPS regarding their vision for an improved organization, WFPS support for one all inclusive national organization, and other items. That resolution seems to have had a somewhat positive effect on the tone of meetings and communications by both organizations, although it has not achieved the desired results.

We were briefed on the latest status of meetings of both ACSM and NSPS, to the extent we have been made aware, and it appears that NSPS does not want any part of a restructured ACSM, especially if the name ACSM is retained, and wants to keep the existing NSPS model, with the possibility of adding MO's (member organizations) under the NSPS Board instead of under

ACSM. It seems clear that throughout this process, both organizations have been fairly strong headed and unwilling to seriously consider major changes that will result in a true merger of organizations into a new, unified organization representing surveyors and geospatial professionals that includes the best elements of both ACSM and NSPS, which is what the WFPS Board has suggested all along.

Due to the seemingly unwillingness by both organizations to seriously consider becoming a unified organization (that doesn't exist at this time), Chairman Mathe is going to try to set up a special meeting with executive level representatives from NSPS, ACSM, and WFPS to discuss this critical issue at the Sur-



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vey Summit meeting in July. It is the (strong) opinion of WFPS that both organizations need to come together to form a new, single organization representing surveyors and geospatial professionals, with individual membership, and true representation of those members. This issue is so important, it was the feeling of the WFPS Board that only a face to face meeting between these organizations will produce any hope of a successful solution, with a commitment to work together to solve the problems that led to the vote to study a withdraw by NSPS.

Selected highlights from WFPS member states' reports:

Alaska: Their 2012 Conference will be in February in Anchorage.... 2013 Conference will be a major event commemorating the Alaska/Canada Boundary with a series of events that will culminate with a Centennial Celebration of the setting of the last International Boundary monument of the United States.... a regulation requiring a 4 year degree to become a licensed surveyor has been adopted and is scheduled to take effect in 2014, also a change in the number of required Continuing Education Units required, from 30 to 24, was adopted, matching the current requirements for engineers and architects.... In a disciplinary action against a surveyor for incompetence, their State Board collected a judgment of \$44,000.... NCEES has a free Registered Continuing Education Program (www.rcep.net) allowing an individual to track his/her CE records.

Arizona: APLS is continuing to work with their State Board to implement a Continuing Education Program, and are also talking about a degree requirement for licensure.... They are currently inundated with complaints of registrants not recording surveys.... The APLS delegates requested a letter of support from WFPS for their efforts to establish a continuing education program requirement for licensure, in response, the WFPS Board voted to re-affirm such a resolution that was passed by vote in 1995.

California: CLSA's 2012 conference will be a joint conference with NALS in Reno on March 23-28.... Their Voluntary Professional Development Program has seen an increase in membership in the program likely due to the change to a free member benefit Their GIS Committee has developed a brochure discussing the relationship between GIS and Land Surveyor professionals.... Their Educational Foundation has had some discussions with Cal State Fresno for setting up a partnership for funding an endowment for a full time teacher and to serve as a vehicle to hold donations for the fund.... CLSA has committed to send 2 teachers to next year's TWiST program.

Colorado: Mike Bouchard presented a report summarizing the activities and matters of PLSC, including the change in delegates noted at the beginning of this report.

Hawaii: Their 2012 conference is set for Feb. 2nd and 3rd at Waiki Beach.... WFPS delegate Kevin Kea has asked and received assistance from other WFPS states in support of their attempts to establish a continuing education program (9 out of 13 WFPS states have a continuing education requirement for licensure).... HLSA is working with their Board of Realtors to revise language on certain real estate forms that clarify a requirement for boundary corners and land survey maps.... their Trig Star program is continuing its success, with 27 schools and 500 students participating this year.

Idaho: Their 2012 conference will be in Twin Falls on March 28-30.... ISPLS is currently reorganizing their standard committees.... Boise is being considered as a test market for the Light Squared National Broadband Project.... Their newly designed website is up and running at www.idahospls.org.... ISPLS approved a MOU with ISPE and ACEC for defining guidelines for nominating members to the Governor for the Board of Licensure.

Montana: After many years, their Board of Registration has adopted a New Definition of The practice of Land Surveying, in the form of administrative rules – the new rules clarify what is a surveying practice and what is not.

Nevada: NALS has approved a temporary halt to contracting out the services of their Executive Secretary due to financial difficulties.... their 2012 conference will be held with CLSA in Reno on March 23-28.... due to cost issues, the remaining issues of the Nevada Traverse will be digital editions.... Their Trig Star program is expected to include 6 high schools this year.

New Mexico: New Mexico State University has entered into an articulation agreement with Central New Mexico Community College to accept its graduates.... Their website is www.nmps.org.... Their State Board of Licensure is preparing for and participating in the Sunset Review of the Practice Act for Engineers and Surveyors, which will expire on July 1, 2012 if not renewed.... NMPS will make every effort to support 2 candidates for the 2012 TWiST program.

Oregon: Their 2012 conference is tentatively scheduled for March 12-16 in Portland.... The 2011 TWiST (Teaching with Spatial Technology) program was set aside for 2011 due to the effects of the economic downturn.... The PLSO legislative committee is pursuing modifications to their right of entry statute (HB 2893), Boundary Line Agreements (HB 2893), and raising the ceiling on amounts counties may charge for the Corner Preservation Fund (HB 2351).

Utah: UCLS is looking at putting some platting standard guidelines in place to try and standardize the different plat requirements in all the counties.... The Utah Association of County Surveyors has asked UCLS for assistance and input from WFPS on Right of Entry Statutes, and legislation restricting the writing of legal or boundary descriptions to surveyors.... Their 2012 conference will be February 9th & 10th in St. George, and February 21-22, 2013, also in St.

George... the Utah Foresights magazine is now being published on line.

Washington: Their special, reduced membership rate for unemployed and underemployed members had been approved for 2012, along with discounts for conferences.... The SRCW is reorganizing under WGS and will now be known as the Washington Geodetic Survey, now responsible for up-dating and maintaining the data warehouse.... LSAW is still trying to build enough support to pursue a 4 year degree requirement for licensure.

Wyoming: There is nothing to report on a regional note from the PLSW annual meeting.... PLSW is looking into teacher interest in attending the 2012 TWiST program in Las Vegas.

Other items of interest:

- WFPS received three scholarship applications this year and voted to award three scholarships of \$2,000 each to these three students from Oregon Institute of Tech-

nology Klamath Falls and New Mexico State University

- Chairman Mathe appointed an ad hoc committee to identify what else WFPS can, and should, be doing with respect to their role in the profession of Land Surveying, and to identify strategic issues for discussion and action.

- In response to the discussion regarding the NSPS and ACSM restructuring activities, Chairman Mathe also formed a special committee, the National Association of Geospatial Organizations (NAGO) with membership to be determined.

- It was suggested that WFPS consider becoming an item writer for the NCEES testing exam bank.

- The Fundamentals of Surveying (FS) exam is on track to become a computer and academic based exam test in 2013.

- Our next meeting is tentatively scheduled for September, in Seattle, WA.

Final Comments from Dave:

This was my last meeting of the

Western Federation of Professional Surveyors, and although I am sad to be stepping down, I am looking forward to seeing the continued results of an evolving and improving surveying profession that has been definitely affected by WFPS, in a very positive way. It has been almost 17 years that I have been representing PLSC on the WFPS Board. I consider it a true honor and privilege to have served as a Colorado Delegate over these years. It has been very rewarding to me to have had an impact on our profession. I hope that, in spite of the current challenges facing our profession, we can all work together to better the profession we all share and, in the process, better our own personal lives as well. Life is good - enjoy what you are doing no matter what it is, and always be willing to help others in the profession. It makes us all better for it.

Thank you,
Dave

End of Report

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PLSC Board of Directors Meeting Minutes

June 10, 2011; 11:00 a.m.: Conference Call

Call to Order: 5:05 PM

Recognition of PLSC Board Members and Officers:

Present: Officers; Nelson, Maw, Board: Beers, Green, Kooper, Newby, Vermilyea,

Absent: Askew (excused), Bouchard, Buntrock, DiFulvio, Gable, Krick, Rihaneck, Wohlman (excused)

A Quorum was present.

Welcome of Guests: Earl Henderson for JJ Rihaneck

Additions, deletions and modifications to agenda: No deletions or modifications – agenda approved.

Secretary - Treasurer; Terry Maw

Approval of Minutes from previous meeting: Motion by Kooper to approve minutes as written, second by Green. Discussion: Corrections: Beers, 2nd page – (Bob Stollard's House) given to PLSC not given the, 3rd page, (Signature Cards) cards not cars: Kooper, 2nd page (PLSC owned property) gyroscope = \$1,500 used/\$6,500 working, not \$8,100 if it works. No further discussion, the motion was called. The 4/20/2011 BOD Meeting Minutes were unanimously approved as amended.

PLSC 2011 Budget: Beers moved to approve the 2011 budget, Newby seconded.

Discussion: Nelson: membership dues are down \$15,600 from budgeted amount.

Kooper: membership will shut off by July 1st, suggest \$3,000 for Travel – 5 more meetings just for Westfed. Westfed could allow reimbursement of up to \$250 for current conference. DiFulvio has a call in to get reimbursement.

Guyton: Westfed will probably not reimburse.

Beers: Four Westfed meetings and a NSPS meeting left. \$800 typical cost per meeting. Total meetings more likely to cost \$4,000.

Nelson: meetings should be budgeted at \$3,000 or \$4,000.

Beers: Encouraged by the enthusiasm shown toward the budget by the board – we need to look very

closely at additional sources of income. The conference was very expensive – looking at ways to save on next Summit (conference). We need additional membership, we need to get out what PLSC does for its members, we need to be involved in the legislative review, and we need national representation.

Kooper: Central chapter reimbursement – professional services, PLSC does not have funds for this, what were they for?

Henderson: Will look at what the professional services were intended for.

Nelson: then we can subtract the professional services out of the central chapter's budget?

Beers: Southern chapter, what are the \$500 (professional services) for and the \$1,000 for the golf tournament for?

Newby: just a clarification – chapter reimbursement; was that an agreed upon amount?

Nelson: the chapter reimbursement was based upon an agreement with the chapters to come together to put on the Summit. The amount shown was to offset what the three chapters would have made with their own conferences.

Kooper: the amount for the *Side Shots* ads seems low.

Guyton: what is shown for the ads may be an up-to-date amount that has been received.

Nelson: Terry get with Di about the membership amount, the *Side Shots* ad revenue, reduce the membership revenue to current amount, reduce the central chapters distribution by \$1,250 + \$300, right now we are \$5,000 in the red. Let's table until June 20th.

Nelson: This motion on the Budget is tabled – there were no objections. Motion tabled.

Westfed Delegates: Nelson: we should finance one Westfed delegate to the current conference.

Beers: motions to finance one delegate to the Current conference. Kooper 2nds.

Discussion: Beers: one of the valuable items to the State society is national representation and our responsibility to subsidize our delegates.

Guyton: I will work with Mike Bouchard to select meetings to attend and be selective about where the meetings are. It is good to have one person at the meetings.

There being no further discussion, the motion was called – to finance one delegate of up to \$500 for the current Westfed conference. Motion passed unanimously.

Bob Stollard's House – Tabled until next meeting – unanimous consent.

Warren Andrews letter regarding donation for memorial for past PLSC presidents.

Nelson: How much would Billie Swanson of Jefferson County be willing to donate to the Past President's memorial?

Henderson: Should not be limited to just dead past presidents.

Vermilyea: I will take on the assignment.

Nelson: We need costs to be able to get back to Billie. With BOD approval, have Stan do research of costs and take the costs to Warren Andrews.

There were no objections – unanimous consent.

Affidavit of Correction – Green: propose that the legislative committee look at the proposed forms and put it on our web site for everyone to become familiar with the forms. If BOD concurs, send to legislative committee.

Nelson: should post on web site and have legislative committee look at it.

Henderson: good idea, expand web site to other forms.

Nelson: need additional ideas.

Green moved that the legislative committee look at the Affidavit of Correction Standard forms and the revised forms to come to a consensus. Newby 2nd.

There being no further discussion, motion called, passed unanimously.

Legislative Committee - prepare for sunset review

Kooper: on 5/13 the Board had an initial discussion for review. It was kept mainly to Education.

Vision of the Legislative Committee: the committee will meet on 6/21 and look at how societies are looking to go forward on professional competency, in July will start the legislative committee meetings – use the web site to put up documents for members' participation in the process, expand membership of the committee to approximately 16 members and set up subcommittees, invite Russ Clark, Ed Bristow and Dave Pehr to be advisors.

Reports:

President: We need more face to face meetings, met with the North, South, Central and Southwest Chapters.

Vice President - No report

Secretary-Treasurer: See reports

Executive Director: no report

NSPS Governor: no report

Westfed: Has chapter report for Westfed. Michael Bouchard to do a report on the last Westfed meeting.

MSCD: Metro wants to redo all of the surveying courses. Dennis Mouland has declined to do update. Need help to develop protocol for online curriculum, distant learning.

Committees

Legislative: dormant, to start up in July.

Survey Monumentation and Stan-

PLSC Treasurer's Report - As of 6/30/2011

Account	5/31/2011 Balance	6/30/2011 Balance
Bank Accounts		
Checking at Wells Fargo - Main	41,924.60	38,852.94
Merchant Checking at Wells Fargo	7,648.35	8,941.97
PLSC Savings at Well Fargo	30,280.29	30,280.29
PLSC Scholarship Fund Inc	3,785.62	3,685.62
PLSC Scholarship Fund Savings	49,055.23	49,155.23
TOTAL Bank Accounts	132,694.09	130,916.05
Investment Accounts		
ICA	21,856.60	27,733.51
Investment at Merrill Lynch Investments	19,934.85	19,934.85
WMIF	22,039.87	26,611.52
TOTAL Investment Accounts	63,831.32	74,279.89
OVERALL TOTAL	196,525.41	205,195.94

dards: no report

Membership: no report

Ethics and Fair Practices: no report

Education: no report

Liaison— no report

Special: no report

Trig Star: no report

GIS-in-The-Rockies: no report

Chapters

Southern: no report

Central: no report

Northern: has put together a code book – willing to print and have PLSC sell – next meeting will work out the finances.

Northwest 1/4: no report

Western: no report

Southwestern: Chapter seminar this weekend, have approximately 45 signed up.

CSRN: Wants to participate in next Summit. Picnic at Redstone Park, August 20 11:30am to 1:30pm.

Next Meeting Date and Location:

August 17, 2011, 5:30pm, Merrick conference room.

Being no further business, Maw moved and Vermilyea 2nd to Adjourn.

Adjourned at 7:10 pm

Respectfully Submitted

Terry R. Maw, Secretary PLSC

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Legislative Committee Report

By Gene Kooper, PLS

The professions of land surveying, architecture and engineering are slated for sunset review in 2013. The Department of Regulatory Agencies will assign an analyst in November or December 2011. The analyst is responsible for preparing a recommendation on whether the three professions should continue to be state licensed professions. The analyst will submit their report to the Colorado Legislature by October 15, 2012. Following the report, a draft practice act will be drafted and introduced in the 2013 Legislative Session.

The PLSC Board of Directors has asked the Legislative Committee to begin work on the review. Among the items to be discussed by the committee, one of the most important issues will be whether land surveyors, architects and engineers should have a continuing education or continuing professional competency requirement for license renewal. Currently, Colorado is one of four states that does not have a continuing education requirement for land surveyors.

Updates on the sunset review process will be published in upcoming issues of Side Shots. Many of the items discussed by the Legislative Committee will also be available on the PLSC forum (www.plsc.net/forum/forum.htm). As the Legislative Committee chair, I urge all PLSC members to stay informed on the progress of the sunset review. Please contact a PLSC officer or director with your ideas, concerns, opinions, and questions.

Endurance: An Epic of Polar Adventure, by Frank Arthur Worsley.

Review by Randy Bloom, PLS

What knowledge is necessary to successfully practice land surveying in Colorado? There is a consensus in our profession that a successful practitioner must have knowledge of the statutory laws, their judicial interpretation, rules and policies and comprehension of the general principles that guide boundary location.

What knowledge is necessary to successfully lead and work in teams? Here there seems to be no consensus on the necessity or even the source of this knowledge. The necessity is questioned because the terms that comprise the subject are fraught with clichés and fashionable jargon so perfectly lampooned in the comic strip Dilbert. The source of the knowledge is also in doubt as the literature lacks the rigor, consistency and substantive base that a land surveyor is accustomed to in a typical treatise on land surveying.

For those interested in learning the value of leading and working in teams, free of all team building lingo, *Endurance: An Epic of Polar Adventure* is recommended reading. *Endurance* is the story of renowned Polar

explorer Ernest Shackleton's epic Antarctic expedition of 1914-1917. With the goal of traversing the South Pole, the expedition's ship, *Endurance*, became ensnared in the ice fields of the Weddell Sea of the south Atlantic. As predicted by Shack-

leton, "what the ice gets, the ice keeps". The battering of shifting pack ice upends, crushes and sinks their ship leaving the 28 men of the *Endurance* precariously afloat on moving ice floes, in freezing temperatures, one thousand miles from the nearest help on the whaling stations of South Georgia. This raw, unselfconscious account of a seafaring disaster, narrated by the captain of the ship *Endurance*, describes their legendary predicament and passage.



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the University of Colorado and has been a licensed professional Land Surveyor for thirty-one years. He is a Senior Lecturer at Penn State University.

COME AND HEAR JAN SPEAK ABOUT WHAT IS EMERGING IN THE
GEOSPATIAL INDUSTRY ON WEDNESDAY MORNING, AUGUST 31ST AT 8:30 A.M.

WWW.GISINTHEROCKIES.ORG

CCPS

Here we are with half the year gone already. Hope everyone is enjoying things so far. We will keep this short and sweet: On August 25th we will have our General Meeting at the DoubleTree Hotel at the SW corner of Iliff & 225 in Aurora. The festivities start at 6:00 PM with a cash bar, 6:30 dinner, followed by a short general meeting at 7:00. The featured vendor will be Underground Consulting Solutions. The featured speaker, Jan Sterling, PLS with the City of Aurora, will be speaking about what resources Aurora has available on line, how to set up a project utilizing the Aurora horizontal and vertical control network and the preparation of the Survey Control Map that is required on all Aurora projects. Hope to see a lot of people there.

Our October 27th General Meeting at the Table Mountain Inn just south of Foss Drug on Washington Street in downtown Golden will feature Technician TJ Waters and Trooper Lisa Middleton with the Colorado State Patrol Accident Reconstruction Team based in Castle Rock. They are responsible for the entire district which encompasses seven counties. Their team only responds to serious or fatal crashes in which lives are in jeopardy or felony charges are possible. This was such a great presentation in March at the DoubleTree that we had to bring them back to meet new people on the other side of town.

We hope to see all of you at the last two meetings of the year. Try to stay out of the heat or at least keep the sunscreen on.

James (JJ) Rihanek, PLS
CCPS President

CSRN

Since the CSRN's hosting of the Colorado "Surveying USA" event on March 19, 2011, we have received positive feedback and momentum for our activities. We have also achieved some national recognition for the CSRN, PLSC and GPS users. As a result of our success with the event the CSRN was published in the Professional Surveyors Magazine "Field Notes" section and

now we are glad to announce an upcoming, one hour interview with Curtis Sumner (Executive Director of the ACSM) on his weekly radio show. The interview will be on July 18, 2011 at 11am EDT. This program's purpose is to increase awareness of the survey community and others as to what's going on nationally with the survey and mapping industries. This is a great opportunity for the CSRN to expand our outreach and education efforts regarding GPS users, with a focus toward GPS RTK network users. Both TJ Frazier with Professional Surveyors Magazine and Curtis Sumner of ACSM have suggested that the CSRN could become a model for other chapters nationally. What a great compliment to hear for the CSRN, for being only 5 years old, for the support of the PLSC and especially for all the hard work put in by everyone involved in the chapter.

Since the event, the CSRN has learned that Colorado has another subscription based network via Rocky Mountain Lasers, Inc. in Denver using Topcon equipment. We are in the process of receiving information from Rocky Mountain Laser regarding their network. Once received, we will post the information on our website at www.csrn.us. With the addition of Rocky Mountain Lasers, Colorado now has 4 subscription based networks. This includes: Trimble VRS, Leica SmartNet, Rocky Mountain Lasers (Topcon) and Mesa County, which is a free subscription.

The CSRN is holding its annual summer picnic on August 20th, from 11:30 AM to 2:30 PM at Redstone Park, Creekside Shelter, in Highlands Ranch, Co. There will be food, fun and games. Parking and attendance is free. There is an adjacent playground for the kids and a pond for fishing. Bring a ball; we have an adjacent soccer field for games and fun. All are welcome, this a family event so bring the kids! Come and make friends, be social, make business contacts or meet a surveyor or a GPS user. We will be sending an invitation flyer soon via email to "SAVE THE DATE".

Remember, if you want to be on

the CSRN email list for updates on upcoming events or to provide suggestions for the group, or to participate, contact us at info@csrn.us via our website and let us know your level of interest. We are always looking for new ideas and new members to participate.

Brian Dennis, PLS
CSRN President-2011

NC-PLSC

At our May meeting, we had the pleasure of having Scott Cashin, with Wagner Equipment, provide a presentation on Machine Controlled Grading and 3D modeling. It was incredibly educational and everyone enjoyed this technical presentation. Chapter members in attendance received a Colorado Land Surveying Laws booklet. As previously mentioned in the last edition of Side Shots, Paul Bacus, PLS has kindly put together this booklet for the entire Northern Chapter. This small manual contains all current surveying related laws in the State of Colorado, amended or adopted rules & policies and court judgments that have the potential to affect us in the land surveying profession. Chapter members: To get your free Northern Chapter reference booklet, come to our next meeting! It's conveniently small, spiral bound and a perfect fit for your safety vest for those head scratching days out in the field.

The Northern Chapter is currently on its summer hiatus so that our chapter affiliates can focus on work during our profession's busiest time of year. Our next general meeting will be Wednesday, September 7th, 2011 and shall continue monthly into the New Year. Our Chapter can expect continued technical sessions on various topics throughout the year and continued efforts on local issues concerning the NC-PLSC. Please watch out for meeting notices and meeting minutes from Rob Hintz when we kick back into session. We certainly hope to see you and hear your ideas this September. It's never too late to get involved in your Chapter!

Kayce D. Wohlman, PLS
Northern Chapter President

NW 1/4 CLS

The NW1/4 met June 12th in the Hayden Town Park. It opened with a sobering and sad reminder that John Noonan, our Vice President and nominated President, had drowned in the Yampa River. This happened just about a month ago and was a grim reminder of how dangerous our creeks and rivers can be during peak spring runoff. Being as John was to be our next President, we were able to talk to some members and arrive at this revised list of officers: Brian T. Kelly, President; William Whelan, Vice-President; Jeff Gustafson, Sec.-Treas; Gordon Dowling, Immediate Past President and Director; Directors-Tom Effinger, Skidge Moon, Walter Magill, Lloyd Powers and Peter Epp.

The program focused on a local situation we have where a long time resident surveyor is starting to move section and 1/4 section brass caps because he does not believe they are where they were when he was a child. This is obviously creating some issues, as for many years they have been used and accepted in their current location. Additionally, no one else, including some individuals who have practiced in the area for thirty years, can remember the same thing. Tricky thing about memory...

This is probably my last column for Side Shots since Jeff Gustafson will be taking over the Sec.-Treasurer slot. I would like to thank the NW 1/4 chapter membership as well as the ever alert JB Guyton, who watches the publishing deadlines like a hawk. We probably need him to remember where we put our brass caps in northwestern Colorado!

Brian T. Kelly, PLS
Sec.-Treasurer, NW1/4

SCPLS

For our February membership meeting our guest was Angie Kinnaid Linn, Program Director for the State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors. Angie presented the group with information about recent changes to State Law and Board Rules and

Policies.

The results of our Board of Directors election are:

Lyle Bissegger- New Director
Steve McAnally – New Director
Steve Parker –Director (re-elected)

The two new directors replace Dennis Craig and Mike Bouchard, who decided to not run for re-election but will still be involved with the Southern Chapter. Congratulations to Lyle and Steve and thanks to Mike and Dennis for their service to the Southern Chapter and to the PLSC as a whole.

Congratulations to Southern Chapter members Terry Maw and Mike Bouchard. Terry was recently elected as Secretary/Treasurer of the PLSC and Mike has been elected as Vice-President of the PLSC.

Mark Johannes
President, SCPLS

SWC/PLSC

The SWC/PLSC held its annual Four Corners Survey Seminar on June 10th and 11th, 2011 at Fort Lewis College in Durango. The conference was well attended and it was an exciting and educational weekend. The Four Corners Survey Seminar steering committee would like to thank the speakers, Randy Bloom, Larry Phipps, Gene Kooper and Dave Minkel for their generous contribution of time and expertise in helping make this years conference a success. The committee would also like to thank Diana Askew for her assistance with web site development and registration logistics. Finally a big thank you to all the conference attendees' participation in this year's Four Corners Conference and your commitment to and pursuit of higher education within the profession of Professional Land Surveyors. Mark your calendars for next years' Four Corners Seminar to be held here in Durango June 8th and June 9th, 2012. Hope to see you there.

The next PLSC SW Chapter meeting will be held September 13th at 5:30 PM, at Christina's Bar and Grill, Durango, Colorado.

Rob Trudeauaux
President, SWC/PLSC

WCLS

We had an excellent Spring Seminar on May 6th with Dennis Mouland giving a full-day session on the BLM 2009 Manual. As always, Dennis was very informative, covering a lot of the new material presented in the 2009 Manual. And we had an excellent turnout. Thanks to everyone for coming. Chuck Hutchins of Vectors also gave a short presentation at the end of the seminar concerning the changes, challenges, and threats to our GPS capabilities. A big thanks goes to Dennis Shellhorn for all of his efforts in organizing this years' seminar. We had a short bi-monthly meeting after the seminar to take care of a few housekeeping items.

Because we did not have enough qualified applicants for the \$1500 scholarship that we had intended to present at the Spring Seminar, we have extended the deadline to September 15, 2011 and extended the qualifications to include not only those seeking a degree in the surveying fields but to those desiring to further their occupational knowledge in the surveying fields. Again, thanks to the PLSC for funding \$1000 of this scholarship.

Summer is now upon us and we are planning our summer picnic in lieu of a formal meeting, to be held July 13, 2011 at the Grand Shelter of Canyon View Park. Like last year, the only agenda for the evening is to visit with good friends, eat heartily, and have fun.

For our September 14th meeting, Jim Beckwith, an attorney specializing in various road rights-of-way issues, will be giving a presentation. He will cover such topics as RS 2477 roads, what are public roads, how to research public roads, is it really a public road?, etc.

It saddens me to let everyone know that Ray Schuster, one of the early members of WCLS, passed away in March, and Mark McIntyre passed away in April. We extend our condolences to each of their families.

Thomas W. Sylvester
P. E. & P. L. S.
President, WCLS

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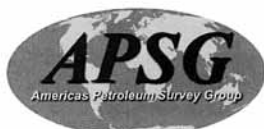
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A Denver chapter of this Houston based group will be launched shortly.

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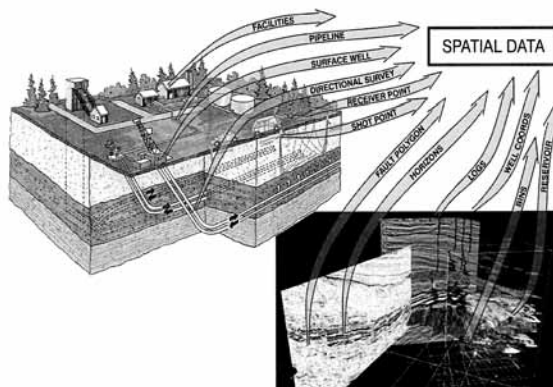
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