

May 2012

SIDE SHOTS

Professional Land Surveyors of Colorado

Volume 43, Issue 2



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Side Shots is the official publication of the Professional Land Surveyors of Colorado, Inc.
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Our 2nd Annual 2012 Rocky Mountain Surveyors Summit, "Tying the World Together," was very successful, thanks to the leadership of Todd Beers, Chairman of the PLSC Education Committee and Diana Askew, PLSC Executive Director, as well as those that assisted with the conference. I also would like to recognize the support from the survey supply companies that secured booths at the conference. Feedback from attendees was very positive regarding the facilities and topics. We also received constructive feedback that will be incorporated into planning next year's summit.



The Chapter Summit meeting held on Thursday, March 1st was well attended and meaningful dialogue between PLSC chapters and the PLSC Board took place. As a result of those discussions some actionable items were defined. One of the first items identified is the necessity to improve communications between each chapter and the PLSC. I commit to keeping the chapters informed of PLSC business by including each chapter president on email notices of meetings which are open for anyone to attend. A second actionable item is to investigate availing the PLSC refresher course to all chapters via internet or some other means. We will establish a committee within the PLSC education committee to define how best to accomplish this goal and define the requirements so that next year's refresher course can be broadcast to each chapter willing to host the sessions. The third defined item was to increase involvement of our young members. A membership drive is a way to reach out to those licensees and LSI's that have not participated recently or at all with the PLSC. I will be sending out a list of all Colorado PLS's and LSI's to each chapter for this purpose. The PLSC will also continue offering free one year memberships to newly licensed surveyors and those that pass the LSI exam. The PLSC welcomes suggestions and volunteers to assist with achieving these goals so please step forward and have a hand in steering our organization.

We are experiencing troubling times with the availability of survey education in Colorado. With the experience path to survey licensure expiring in 2020, we anticipate survey education demands to increase. Therefore, it is imperative that Colorado have an avenue to achieve a minimum of an associate's degree in surveying. J.B. Guyton is leading efforts to assure that survey education is available within the front-range area.

I am pleased to announce that HB12-1210 was defeated in the Senate on Thursday, March 15, 2012. In essence, this Bill would have allowed licensed professionals from other states to practice for up to nine months in Colorado as long as their license was in good standing, they intended to move to Colorado, and they had an application in with DORA. There were other requirements, but I have summarized. The PLSC Legislative committee along with our lobbyist played an instrumental role in getting this Bill defeated. The PLSC joined forces with the Architects and Engineers opposing this Bill and testified jointly at the hearing. Learn more at <http://www.leg.state.co.us/CLICS/CLICS2012A/csl.nsf/BillFoldersHouse?openFrameset>. This was a great win for our profession!

continued on page 5

DEDICATED TO THE IMPROVEMENT OF LAND SURVEYING EDUCATION AND PRACTICE.



It was a real pleasure to meet so many old and new friends and colleagues at the Rocky Mountain Surveyors Summit in March at the Arvada Center.

The multi-day event included excellent course offerings, worthwhile meetings, valuable networking sessions, a large collection of exhibitors, and unusually good food and refreshments too. I am told that attendance was better than expected, much higher than a year ago, and many non-members of the PLSC were participating. After so many slow years in a row for surveying and PLSC membership, this is a very positive sign indeed.

I had the honor and pleasure of facilitating the Chapter Summit meeting on March 1st, with 32 attendees representing an excellent cross section of members from across Colorado. The ideas, the areas of complaints, and the plans for moving forward were excellent. The minutes of

that meeting can be found on plsc.net, as well as the report of the Western Federation of Professional Surveyors meeting in Tempe, AZ by Mike Bouchard; both are well worth reading.

There is at least one academic institution in the metro area that is expressing an interest in exploring the possibility of establishing a new associates-level program in surveying. But such things require time and patience. It is a personal goal of mine to help solve the problem of the diminution of educational opportunities at institutions such as Westwood. It is much too early to disclose details or declare any real success, but the interest seems to be there. I will keep you, our *Side Shots* readers, informed of any progress on this issue that is of such importance to the future of surveying in Colorado.

I am pleased to include several photos from the Surveyors Summit and Chapter Summit on the cover and inside this issue. Be sure to look for yourself, or people you know. If you missed the event this year, be

sure to keep it in mind for 2013.

This issue also includes an interesting presentation about document and maps preservation at Miramont Castle in Manitou Springs by Joe Alessi, a Statute of the Month article by Earl Henderson, and the latest installment of the always-popular Control Points by Warren Andrews. The DORA state board update includes the news that Angie Kinnaird Linn is retiring later this year. She has been a very reliable source of DORA news for some time, and her particular talents will be greatly missed.

Finally, this issue also includes a resignation letter from Diana Askew, the PLSC Executive Director and a personal friend for many years. She has done an extraordinary job for us for a long time. I wish nothing but the very best for Di in her future endeavors.

JB Guyton,
Editor, *Side Shots*

This Month on WWW.PLSC.NET

In the online version, click on the title below to download the documents.

- Minutes of the Chapter Summit Meeting, March 1, 2012
- Board of Directors Meeting Report, Western Federation of Professional Surveyors (WFPS), Tempe, AZ, January 21, 2012

President's Letter *from page 4* _____

It is with sadness that I have accepted the resignation of Diana Askew, PLSC Executive Director, tendered on March 21, 2012. Diana has provided committed service as the executive director to the PLSC since 2009 and will be greatly missed. Please join me in thanking Diana for her service to the PLSC.

The PLSC will have begun the search for a replacement by the time of this publication. I will provide the results of this search to each PLSC chapter president for distribution amongst our membership. This is a critical time for the PLSC to forward our vision and mission we will select the most qualified replacement respecting the established budget.

Hoping that your summer is filled with great survey projects!

Sincerely,
Roger D. Nelson, PLS, CFedS

A HEARTFELT LETTER TO THE MEMBERSHIP OF THE PLSC

To my extended family, the Membership of the PLSC:



I am writing this letter today with a sad heart. I have resigned as the Executive Director of the PLSC with a three month notice as of March 22, 2012. I wanted an opportunity to thank you for your support and warm friendship over the years. I've come to an impasse regarding my ability to keep up with the demands of the position. It isn't strictly an economic matter for me, although that is, in all honesty one of the factors I had to take into consideration.

If you will bear with me here I'll do my best to explain in more detail why I have made this painful decision. Upon reflection of my quality of life over the last few years, I have found that my life has become completely involved in my work. My entire sense of professionalism is based on my desire to complete each task and chore I am assigned to the best of my ability. When Art passed, we all felt a great loss. Art was Mr. PLSC and he had managed to take care of all of our needs with great acumen and efficiency. I had initially taken on the Secretary-Treasurer role to help fill the void. Then, a year later, I assumed the duties of the Executive Director together with my role as Secretary-Treasurer. As many of you know, I have a background in Information Technology (IT) having recently completed a BS degree program in 2007 in IT with a minor in database management. I am also one of only two Executive Directors of a land surveying association who is also a PLS. It seemed to be a perfect fit for my background to manage the business of the PLSC. However, I had some pretty important shoes to walk in.

As most of you are aware, the number of hours I am compensated is limited due to the funds that are available for my contracted Executive Director Role. I require other revenue sources in order to provide income; because of the increased demands of my role as Executive Director, I was not able to accept a traditional full time job. I began offering more than I could do in the limited number of hours I had available for the position. This then became an expectation. Then that expectation became a requirement. Before I knew it, more tasks were added because one more thing could not possibly take that much more time. I only recently began to say "no" more often.

Even though I am no longer a voting member of the Board of Directors my responsibilities to the membership have not changed. As a result of my need for reasonable income and my need for quality of life, I have had to make the decision to cull some of my responsibilities. I have multiple sources of income, so I made my decision based on the fact that the tasks and chores necessary to fulfill the requirements of the Board of Directors and my role as Executive Director demand much more of my time than I am compensated for.

Many things have changed over the years since Art passed, but the most important thing has not changed. The PLSC is all about the members because without them there would be no PLSC. As members you deserve the best anyone has to offer and that is what has continued to drive me day by day. I will; however, miss my daily correspondence with the members of the PLSC, my extended family.

Sincerely,
Di Askew, PLS

February 27, 2012

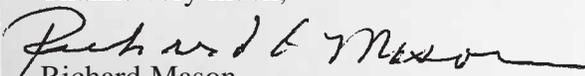
To the Board of Directors
Professional Land Surveyors of Colorado, Inc.

What a great surprise and honor it is to be selected as Surveyor of the Year! I am sitting here on the right hand side of the USA, nearly 1,800 miles away, unable to thank you in person.

Forty three years ago, I was hitch-hiking on the side of the road, entertaining some curious cows with my harmonica, and hoping I wouldn't be too late for the job opening at the Routt National Forest. Surveyor. That should keep me busy for the summer...

Being singled out this way by my friends and peers is humbling and "un-topppable." I am sure that I owe most of my gratitude to a great group of dedicated (but sneaky) friends in WCLS, each of whom is more deserving of this distinction than I will ever be. The Board has treated me much more generously than those bovine music critics did so long ago.

Thanks very much,


Richard Mason
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The Sawyer and Garstin Collection

By Joseph Alessi, PLS
President, Southern Chapter, PLSC



The Miramont Castle is located in Manitou Springs which is a tourist resort lying west of the City of Colorado Springs. Manitou Springs was originally known for its mineral water springs utilized by Native Americans as a sacred location.

The Castle property has an unusual history of ownership. The first deed was recorded in 1862 to Colonel John Chivington, who was the commander at the Sand Creek Massacre in 1894. He owned it from 1862-1867. General William Palmer, founder of Colorado Springs, and his associates owned it from 1871-1882. In 1882, it was sold to the City of Manitou Springs. In 1892, Father Jean Baptiste Francolon took ownership of the vacant property.

Jean Baptiste Francolon, attended Ecole Polytechnique, an exclusive French engineering school. He was preparing to follow his father's footsteps as an engineer with family members prominent in both military and judicial societies. Jean Baptiste felt his duty was to the church. He entered a four year study in the seminary at St. Sulpice, Paris, France. After a short time in Rome he was recruited to Santa Fe, New Mexico, where he was ordained as a Catholic priest. In 1892, he was assigned to Manitou Springs.

During 1895, Father Francolon began construction of the Miramont Castle. He served as his own architect and employed local construction contractors. He lived in the Castle as his home until 1900 when he moved back to France. The Sisters of Mercy purchased the Castle and turned it into the Montcalme Sanitarium where they treated tuberculosis until it was sold in 1946.

Between 1946 and 1975, the property changed hands eleven times. This 30-year period is known as the Apartment Era. By 1971 the Castle was in such bad repair that it was placed on the condemnation list.

The Manitou Springs Historical Society purchased the property in 1976 for \$60,000.

With a combination of donations from founding members and a grant, the Castle has slowly been restored one room at a time. It is now known as the Miramont Castle Museum, which houses over 15,000 artifacts.

In the year 2000, a pickup truck driven by Frank Imhoff delivered a collection of maps and historic documents to the Museum.

The Collection was from Sawyer and Garstin (late 1800's to early 1900's), Civil and Mining Engineers, U.S. Mineral Surveyors, Irrigation Engineering, Blueprint and Drafting Departments, based in the Hagerman Building, Colorado Springs. The collection consists of rolled maps, files, and envelopes that sat in boxes on the floor of the museum garage. The importance of this collection was only realized when Nolte Engineers came looking for historic maps during the downtown revitalization project.



I, Joseph Alessi PLS, also in need of historic maps, visited the Miramont Castle Museum. I was performing a land survey for the City of Manitou Springs for public parking and right of ways along Ruxton Avenue. The Land Survey was to accommodate the parking needs for the Incline Hiking Trail and the Iron Chateau.

For several years as a board member of the Southern Chapter of the Professional Land Surveyors of Colorado, I have expressed an interest in the preservation of historic maps and documents. The Sawyer and Garstin collection had been of great interest to me.

Due to my interest in the preservation of the collection, I was asked to be on the Board of Directors of the Miramont Castle Museum with the purpose of assisting with the collection.

In May 2010, the museum hosted a fundraiser pres-

entation of the collection. The guests attending included members of the Southern Chapter of the Professional Land Surveyors of Colorado, members of the Teller County Planning staff, members of the City of Colorado Springs Engineering Department, BLM employees, members of title companies, and various historians and other interested parties. The guest speaker was Charles M. Tucker, a well-known consultant in railroad services including engineering and land surveying. He has served as a Railroad Surveying Educational Instructor in many seminars. He is also devoted to the preservation of historic maps and documents with the Colorado Railroad Museum. Mr. Tucker presented the methods of categorization and archiving materials for filing and storage. He also discussed the type of storage facilities needed.

This was the first time the public had seen this fascinating collection that is comprised of numerous historic maps, over 100 field books, transcripts of GLO field notes, abstracts, and associates ledgers that include letters, receipts, payroll, client contracts, lot surveys, and land purchases. There is also correspondence with entrepreneurs: Spencer Penrose, General Palmer, M.A. Ledley, Jerome Wheeler and other business influences of the time.

Since the initial fundraiser the museum has purchased computers, PastPerfect categorizing software, and archival sleeves and folders. Also Business Furniture Systems of Colorado Springs donated metal flat drawer map file cabinets, and a large conference room table. The Southern Chapter of the Professional Land Surveyors of Colorado has provided a cash donation.



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The museum has dedicated a large room for the mapping project and installed a new floor. As money permits, additional improvements are planned. Since the fundraiser, the field books were sorted along with the development of a filing system, the maps were flattened and stored in flat map drawers, and the abstract files were placed in archival sleeves and organized into archival folders and filed.

In fall 2011, the museum employed a full time registrar and a part time curator devoted to accessioning the Sawyer and Garstin collection.

The museum registrar is compiling data for a Federal grant to assist in creating a professional, museum quality facility and the purchase of archival supplies. Such funding, in addition to private donations, will allow for this unique, priceless collection to be digitized and available to the public for free research. The process of map identification has yet to be accomplished, although volunteers with Colorado Springs Engineering, a retired employee of the Assessor's Office along with the museum registrar and curator are in the process of developing the scope of work to accomplish this task.

Goals for the Preservation of Historic Maps and Documents.

Numerous maps, files and documents exist throughout Colorado in various locations that are of

interest to the professional land surveyor and to the future of the profession. To preserve historic maps and documents, an organized effort to locate these sources would be preferred. The land surveying professionals can be instrumental in requesting of local government agencies, museums, title companies, ditch companies, utility companies and other sources the location of historic maps and documents before they are lost, misfiled or destroyed. It would be beneficial to develop a list of documents and map sources, their location, a contact person, address, phone number and email address, along with any access restrictions. We also encourage retired land surveyors to make their historic maps and documents available to the profession. This information can be made available on the PLSC web page. The Professional Land Surveyors of Colorado can be innovative in the development of the preservation and collection of historic maps and documents.

On May 15, 2012, there will be a meeting of the Southern Chapter of the PLSC at the Miramont Castle Museum, at 6:30 P.M. This informal membership meeting will include the viewing of a limited number of maps and documents. Any chapter members, non-members, title company officials or historians are invited to attend. Donations would be appreciated. Please RSVP Joseph Alessi at (719) 540-8832 or jalessi@alessi3a.com. ■

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What are State Plane Coordinates?

By Warren Andrews, PLS

In the preceding Control Points article there was some confusion between two of the map projections. In the picture or diagram was shown a cone slipped over a sphere and labeled an Albers Projection. In the text it was called a Lambert Projection.

Johann Heinrich Lambert (1728-1777), a Swiss-German mathematician and scientist, developed his projection in 1772. Dr. Heinrich C. Albers of Germany invented his projection in 1805. Professor Porter McDonnell compares the two:

On the conical equidistant with two standard parallels, the meridians were standard lines. The Albers projection was described as a variation in which the scale factor along each meridian varied from 1.000 so as to be compensatory with respect to the east-west scale factor. The Lambert conformal conic is a variation in which the scale factor along each meridian varies so as to be equal to the east-west scale factor. This condition makes the standard parallels slightly closer together than [in the straight conic or the Albers.]

Now back to the state plane coordinates. The basic concept of the state plane coordinate system is taking the rounded surface of the earth, using plane surveying methods, and showing it as flat on a map. The purpose is to make the entire State of Colorado consistent as a whole unit for ordinary surveyors. It is very useful

on a county-wide basis to all persons concerned with land use. It is fundamental to a geographic information system (GIS). To emphasize, the state plane coordinate system is for the entire state, is for showing land as a flat plane, and is for relating any point on that plane to any other point by coordinate geometry in surveying. This is the map maker's and surveyor's solution of the problem of relative position. The three geometric or state plane coordinates of any point are *x* (an east-west position), *y* (a north-south position), and *z* (an elevation).

There are many different ways of showing and computing the curved surface of the earth (such as Lambert or Mercator or Universal Transverse Mercator). In Colorado by state law (Statute No. 38-52-101 through 106) the projection used is officially called the "Lambert Conformal Conic Projection."

What the conic projection is and how it is done is shown in Fig. 1 as if you had a round orange and cut a piece of peel off with a tin cone. Then you cut a lengthwise section of peel and nail it on a board. To keep the distortion within certain limits the State of Colorado uses North, Central, and South Zones as if you used three different tin cones to cut three different pieces of orange peel off the orange. Because of county boundaries the north and south edges of the Central Zone follow the county lines and are so defined in state statute 38-52-101(4). This is shown on Fig. 2. The double lines of exact scale show the overlap of one

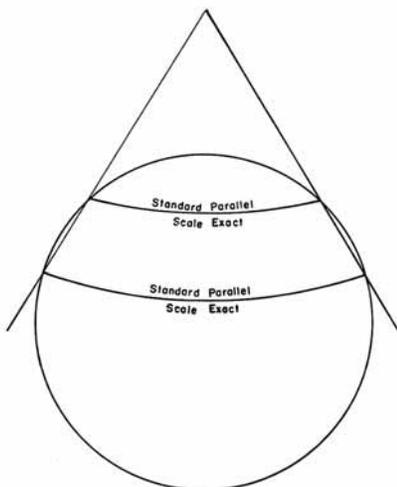


FIGURE 1. SPHERE WITH INTERSECTING CONE, LAMBERT PROJ.

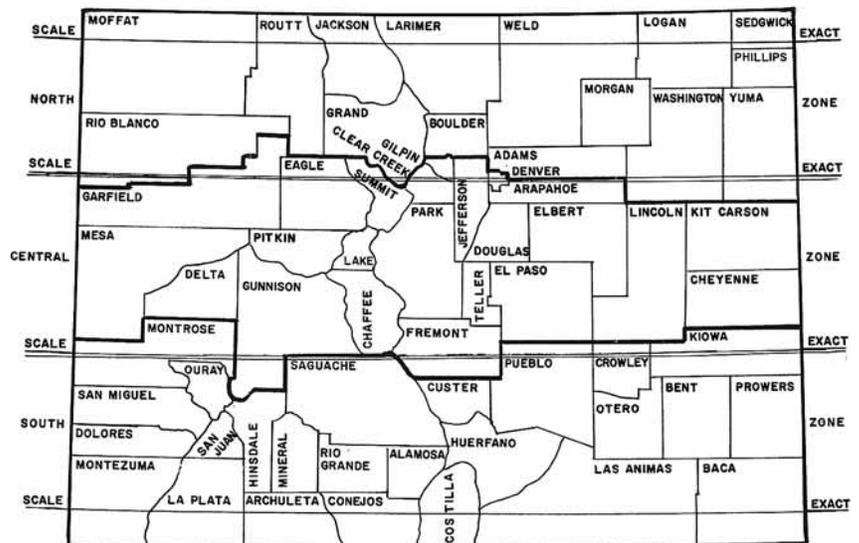


FIGURE 2. COLORADO STATE PLANE COORDINATE ZONES

minute of latitude between the South and Central Zones and two minutes of latitude between the Central and North Zones.

One other thing that shows up in using state plane coordinates is that, except for one north-south line in Colorado which is called the "central meridian" and is 105 degrees 30 minutes west of Greenwich (approximately the boundary between Blackhawk and Central City), north isn't north anymore. What this means is that the commonly accepted direction of north as being where the axis of rotation of the earth points (called true north by the old time surveyors as differing from magnetic north) is not the same as grid north in the state plane coordinate system. This is illustrated in Fig. 3.

The problem again is the curved orange peel on the flat board. The north lines on the curved surface bend (even though they are at right angles to the lines of latitude), the north lines on a flat surface don't bend and are all parallel to each other. The difference between the true north or geographic north direction and the grid north direction is called the *map angle*, designated by the Greek letter theta (θ), which can be accurately measured and calculated. This is also shown on Fig. 3 at points A and B. Note that west of the central meridian the theta angle is minus or counterclockwise from the geographic to the grid north. East of the central meridian the theta angle is plus or clockwise from the geographic north to the grid north.

The final thing that should be known about state plane coordinates involves distance or length. Just as slope distance on a hillside is always reduced to horizontal distance by a surveyor, so also in state plane coordinates horizontal distance on the ground is reduced to horizontal distance at sea level for a common standard for surveying. This is illustrated in Fig. 4. For example, one mile of 5280.00 feet on the continental divide at 14,000 feet elevation is only 5276.46 feet at sea level where the radius of the earth averages 3960 miles.

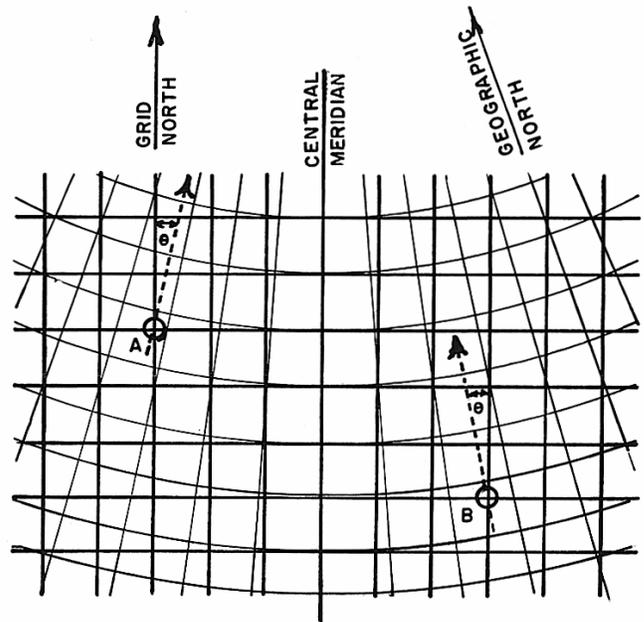


FIGURE 3. THE STATE PLANE COORDINATE GRID OVERLAID ON THE GEOGRAPHIC GRID

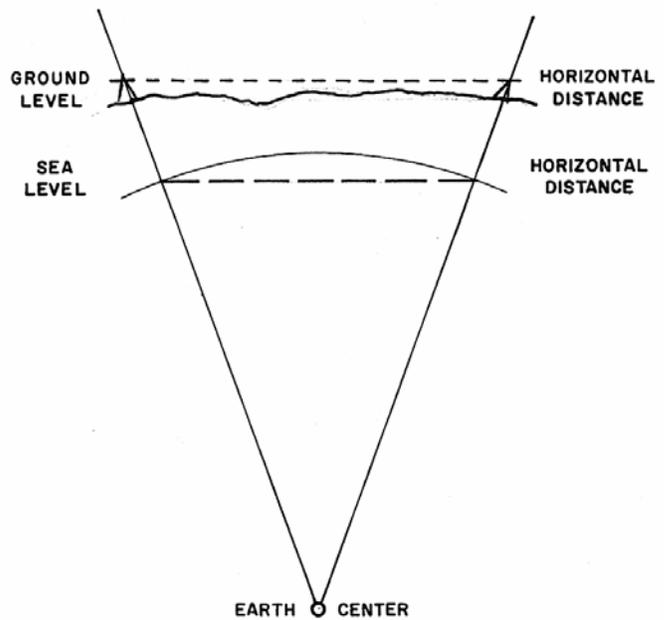


FIGURE 4. GROUND DISTANCE VS SEA LEVEL DISTANCE



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Default = No
 ___ Yes ___ No
 ___ Yes ___ No
 ___ Yes ___ No
 ___ Yes ___ No

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CSRN - Additional

NCPLSC - Additional

NW1/4CLS - Additional

SCPLS - Additional

SWPLSC - Additional

WCLS - Additional

Volunteer to participate in PLSC Standing Committees

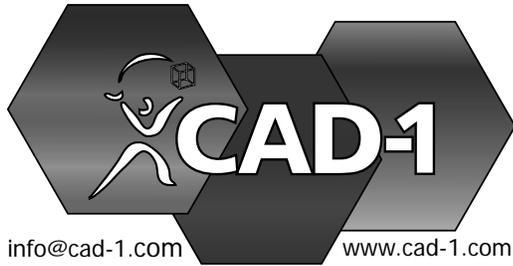
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- Nominations and Elections

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Scenes from the 2012 Rocky Mountain



Alan Blair and Todd Beers



Bryan Baker of Frontier Precision and Earl Henderson



Gaby Neunzert and Dennis Moulard



Dave DiFulvio and Harold Baldwin



Dave Pehr



Bryan Clark and Gene Kooper



David Newcomer, Diana Askew, Pam Fromhertz, Bill Stone and Loyal Olson



David Newcomer

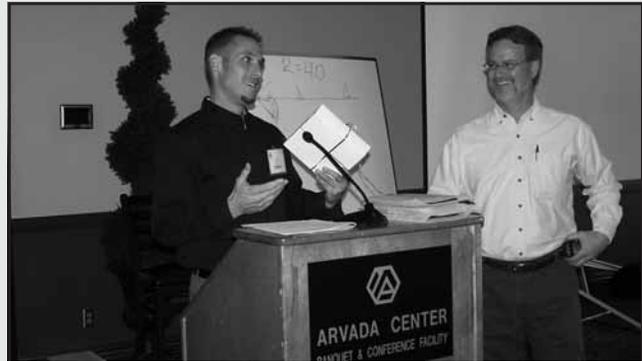


Jeff Jones, Dave Wilson, Jess Kuntz, Jason Hanahoe, Reese McKay, Kurt Ernstberger and others

Surveyors Summit and Chapter Summit



Diana Askew



Ken Perry of Hixon with Earl Henderson



Dennis Mouland



Kelly Mule, Kerry Johnson of SKLD and Earl Henderson



Harold Baldwin and JB Guyton



Patrick Green and Roger Nelson at reception



Stan Vermilyea, Tom Sylvester and Roger Nelson



Todd Beers and Kayce Wohlman



Brian Dennis, Roger Nelson and JB Guyton

State Board Update

By Angie Kinnaird Linn, Program Director, State Board of Licensure for Architects, Professional Engineers, and Professional Land Surveyors

Happy spring to all of you. Probably like you, I am ready for it! As the weather warms up, I hope that your business is beginning to heat up right along with the improvements in the economy.

Update on the Sunset Process for the AES Board

As mentioned in the last *Side Shots*, the Department of Regulatory Agencies' ("DORA") analyst reviewing the AES program, Bryan Jameson, is actively gathering data, views, and information. He will be in this research phase until early June 2012. If there is any aspect of the laws, rules, or Board activities or operations you want to provide input on, now is the time to contact Mr. Jameson. You may reach him at bryan.jameson@dora.state.co.us or 303-894-7833. The more feedback that he has, the more thorough his evaluation will be.

The analysis is performed according to criteria set out in state law by DORA's Office of Policy, Research and Regulatory Reform. Sunset criteria and other information (including the ability to submit sunset review comments online) can be found at www.dora.state.co.us/opr.

Mr. Jameson will write his analysis and recommendations in the summer of 2012. The sunset report will be published on October 15, 2012 and submitted to the General Assembly. Hearings will be conducted in the Legislature during the 2013 Session to determine if changes should be made to the statutes.

Survey Quorum Opinions

At the January 13, 2012 meeting of the Survey Quorum, there were several requests. The following is a recap of the requests and the Quorum's responses. For reference to past opinions from the Quorum or the AES Board on the subject of Land Surveying, check out the Surveyors Q & A page on the AES website at www.dora.state.co.us/aes/surveyorsQA.

1. Offsets to Property Pins that are in Public Right of Way

Mike Greer, PLS and Board Member, requested a Survey Quorum discussion about crosses or tags/nails in a sidewalk and offsets to property pins that are not points but are offsets to the actual corner for reference purposes in subdivisions. The Survey Quorum reviewed the information currently on the Q&A section of the website regarding removal of monuments prior to construction as discussed at the July 9, 2011 meeting. It was the consensus of the Survey Quorum to issue the following opinion:

There have been some recent inquiries to the Sur-

vey Quorum about land survey plats that contain a statement that monuments are to be set at a later date due to imminent construction that would destroy the monuments, snow presently on the ground, etc.

There is no provision in Colorado's statutes or the Board Rules that allow the setting of monuments at a later date. Thus, a statement on a land survey plat of setting monuments in the future is unacceptable. § 38-51-106 (1)(f), C.R.S., requires a description of all monuments either found or set on a land survey plat. All monuments shown set shall be in the ground by the time the surveyor seals and signs the land survey plat.

This brings up the concern of setting monuments within projects where construction activity may remove them shortly after being set. Looking at § 18-4-508(2), C.R.S., it is a class 2 misdemeanor for anyone to remove a control corner. "Any person who knowingly removes or knowingly causes to be removed any public land survey monument, as defined by section 38-53-103 (18), C.R.S., or control corner, as defined in section 38-53-103 (6), C.R.S., or a restoration of any such monument or who knowingly removes or knowingly causes to be removed any bearing tree knowing such is a bearing tree or other accessory, as defined by section 38-53-103 (1), C.R.S., even if said person has title to the land on which said monument or accessory is located, commits a class 2 misdemeanor unless, prior to such removal, said person has caused a Colorado professional land surveyor to establish at least two witness corners or reference marks for each such monument or accessory removed and has filed or caused to be filed a monument record pursuant to article 53 of title 38, C.R.S." This means any construction activity that removes control corners is illegal. But the statute has a provision in it to allow removal of the corner and be in compliance with the law by having a professional land surveyor reference the monument for later replacement before it is disturbed by construction.

Lack of knowledge that these laws exist is most likely the reason monuments are removed. It is imperative that the land surveyor make those aware that there is a law that prohibits removal of control corners and since the statute has assigned the task to the land surveyor to preserve them, assist those to comply with the law.

Additional information on this can be found under the Surveyor's Q & A website page referencing the Board Meeting Date January 14, 2001, Tabled Request for Board Opinion – Removal of Monuments Prior to Construction.

The members requested the opinion, after final approval, be sent to contractor associations, all Colorado county building departments and road/bridge

departments. They also requested this information be published in the next PLSC *Side Shots* quarterly update.

Note: This information has been sent via email to all those on the Colorado Chapter of the American Public Works Association list.

2. Monumentation Requirements and ALTA Surveys

Roger Kelley, PLS, requested an opinion concerning monumentation requirements and ALTA surveys. His question was whether monuments were required to be set or not. It was the consensus of the Survey Quorum to respond to Mr. Kelley with the following:

This issue is addressed in Board Rule 6.12 which requires that monuments be set when performing ALTAs, even if removed during construction. All parties, including the contractor should be made aware of Section 18-4-508, C.R.S.

3. Obliteration of Range Line Tie Crosses on Denver Wastewater Management Division of Public Works

Earl Henderson, PLS and Board Member, brought to the Survey Quorum a request for opinion from Mr. Michael Dlin, PLS, and his inquiry about the requirement for replacement of obliterated monuments after curb & gutter maintenance by the Wastewater Management Division of Denver Public Works in his neighborhood in 2009. It was the consensus of the Survey Quorum to respond to Mr. Dlin with the same opinion as in the Offset to Property Pins request for opinion above. The members requested the opinion, after final approval, be sent to Denver's Division of Public Works.

HUD Requirements Regarding ALTA/ACSM Standards

Concerns were brought to the Survey Quorum's attention recently by another state board regarding requirements by HUD as to what is required on the ALTA survey and what cannot be shown. It appears that HUD is requiring its own certification on the face of the survey with no exceptions. The Survey Quorum requested that this information as well as the quote below be provided in this forum to be helpful to licensees. This is only a partial quote from an article, "Developments and Questions Regarding the New 2011 ALTA/ACSM Standards" in *The American Surveyor* by Gary Kent, LS. Full reference to the article should be made for further information and questions, not to the Board.

"Under the 2011 Standards, the only certification allowed on the face of an ALTA/ACSM Land Title Survey is that specified in Section 7, except as may be required by law or regulation (see Section 3.B. of the 2011 Standards). Some state surveying boards, for example, require that specific wording be included in certifications in their states.

The certification in Section 7 is a 'short-form'

certificate that simply states that the survey was conducted in accordance with the 2011 Standards and including the listed Table A items.

For those clients or lenders who absolutely require an additional or alternate certification, it is permissible for the surveyor to negotiate such, but *it must be placed on a separate sheet of paper* (e.g. company letterhead) and cross-referenced to the Survey. Alternatively, the surveyor *could* put it on the face of the plat/map, but if that is done, *it cannot be identified as an ALTA/ACSM Land Title Survey.*"

Land Surveying Brokers

There are a number of companies that broker land surveying services across the country and there are Colorado Professional Land Surveyors who have worked with them. The brokers obtain the client, determine the scope of services, and then contract with licensed Professional Land Surveyors to perform the work. This is the practice of land surveying and requires a Colorado Professional Land Surveyor in responsible charge to perform the work.

If you choose to work with a broker, it is your responsibility to make sure that a Colorado licensed Professional Land Surveyor is in responsible charge, has client contact, determines the scope of work, and makes the appropriate decisions accorded to the professional.

We have received complaints about these kinds of companies and after investigation we usually find that indeed they do have a Colorado licensee in charge. In some cases, where the broker is offering to provide services in Colorado but there is no Colorado licensee associated with the company, we have successfully negotiated a modification of the website to clarify this.

Let us know if you have any questions or concerns about any of these topics at aes@dora.state.co.us.

And there is one last piece of information that I want to provide to you at this time. I will be leaving my position as Program Director on November 30th to transition to life after working for the State. At this stage, it's pretty hard to say or write the word "retirement," since that will be the least of what I plan to do!

You're getting the word early because the recruitment for my replacement will begin in a couple of months – probably June – so that we have time for training before I leave. There may be interest from the professional ranks, and technical knowledge is always helpful, so if you know someone who'd like to step into my "shoes," please pass this along. It is not for the weak-hearted but there is never a dull moment!

I look forward to advising you on the progress of this change and many other Board developments in the next couple of *Side Shots'* columns before it's time to say goodbye. ■

The Statute of the Month: 38-51-106(f)

by Earl F. Henderson, PLS

Every land surveyor in Colorado should be familiar with Colorado State Statute 38-51-106 in its entirety. This is the famous 10 items that need to be on your Land Survey Plats (LSPs). Some of you can even spout them off by heart. I prefer a checklist, but hey, that's just me. But let's take a closer, more intimate look at 38-51-106(f) which reads:

A description of all monuments, both found and set, that mark the boundaries of the property and of all control monuments used in conducting the survey. If any such boundary monument or control monument marks the location of a lost or obliterated public land survey monument that was restored as a part of the survey on which the plat is based, the professional land surveyor shall briefly describe the evidence and the procedure used for such restoration. If any such boundary monument or control monument marks the location of a quarter section corner or sixteenth section corner that was established as a part of the survey, the professional land surveyor shall briefly describe the evidence and procedure used for such establishment, unless the corner location was established by the mathematical procedure as outlined in section 38-51-103. (Emphasis added)

There are a few aspects to this statute that we need to have analyzed and know. But just so we're all on the same page, 38-51-103 is the statute that stipulates that subdividing a section will be done by the current BLM manual methodology along with some other stuff not pertinent to this discussion.

I would be willing to bet that those of us who have the magic 10 list committed to memory only have the first sentence of this one in mind. And let's face it, describing the monuments you've found and set is easy. But the meat of this statute is in the remainder. I'm going to take the remainder in the reverse order that it was written.

So, backing up from the mention of 38-51-103, the last sentence of 38-51-106(f) states the surveyor *shall* describe both the evidence and procedure used to *establish* the corners in question unless he used the BLM manual methodology. But wait a minute. The vast majority of the surveying we do these days is retracement surveying wherein we are not *establishing* anything. We are retracing the surveys that *established* the original corners. So unless you are performing an original subdivision of an aliquot part, this sentence doesn't apply to what you're doing. If a farmer has contracted me to subdivide his land, the NE 1/4 of Section 15 for instance, into aliquot parts, then I can accomplish this task using the appropriate BLM manual methods and

not have to explain myself on the face of the plat. I can set the 1/16th corner monuments and the dimensions should easily demonstrate to any other land surveyor that I split the distances along the appropriate lines and intersected the others. I can still describe my methods if I want to, but I don't have to. But that kind of survey doesn't happen very often anymore.

More often than not, in fact the vast majority of the time, we are performing retracement surveys where the aliquot parts have already been subdivided by some previous method and the corners previously *established*. In those cases the last sentence of 38-51-106(f) doesn't apply and we are no longer exempted, no matter what our methodology, from explaining "*the evidence and the procedure used*" to restore the corner locations and set the monuments. In fact, in the previous example of the NE 1/4 of Section 15, this applies to the survey of the perimeter of the property while the last sentence of 38-51-106(f) applies to the subdivision of the 1/4 section. It may initially seem confusing but it's not really. When you're retracing anything and in the process restoring PLSS monuments, you need to explain yourself on the face of the plat. When you're performing an original subdivision of PLSS aliquot parts, you can do so by BLM methodology without re-explaining the process as the BLM has already done in the manual.

You may think that's all there is to it, but you'd be wrong. Because restoration of lost or obliterated PLSS corners shouldn't be done by the proportionate methods except as a last resort. The 2009 BLM manual states in many places that retracement surveys should rely on evidence over proportioning, not to mention the courts having made the same ruling many, many, many times. As I've said in the past, using proportionate methods is the equivalent of saying you've given up and can't find any other means of restoring the corner to its *original* location. I don't like being called a quitter so I am very selective about using proportionate methods. Therefore, if you're following the law and using the priority of evidence (1-Lines marked in the field, 2-Natural Monuments, 3-Artificial Monuments, 4-Adjoiners/Bounds, 5-Courses, 6-Distances, 7-Areas.), you must explain what that evidence is and the procedure you used to restore that corner on the face of the plat. And furthermore, you can't use proportionate methods (#5 & #6) until you've exhausted all the previous evidence possibilities.

Let's review a little.

1. The only time you can proportion a PLSS corner monument and not describe the evidence and procedure you used is when performing an original subdivision of an aliquot part of a section using BLM manual methodology.

2. If you're performing a retracement survey and restore PLSS corner monuments, you must describe the evidence and procedure you used.
3. If you restore a PLSS corner monument during a retracement survey by use of some evidence you must describe that evidence and the procedure you used from that evidence to restore the corner.
4. If you restore a PLSS corner monument during a retracement survey by proportionate methods you not only must describe the method you used but you must also state that there was absolutely no evidence available to restore that corner by some other means since proportionate methods are only of a last resort variety.

Most of the plats I see that show the restoration of a PLSS corner monument have no explanation on them at all. I would venture to guess that most surveyors in Colorado think that if they're following the methodology of the BLM manual they don't have to explain themselves, but they'd be wrong in any retracement situation. Of course I'm in the camp that believes it's pretty near impossible these days to not find any evidence whatsoever, which precludes me from using proportionate methods the vast majority of the time, but that's an argument for another issue.

But let me ask you a rhetorical question, since you can't answer me anyway. Why not explain your evidence and procedure in every case? I have found that by doing this on a regular basis it forces me to review my thought process thoroughly. In so doing I have learned a lot more than if I didn't do it and have become a much better Professional Land Surveyor (in my own eyes of course) and continue to learn more each time. After all, retracement surveying is more about the law than the measuring and dimensions and there's no end to what you can learn about the law. 38-51-106(f) applies to PLSS corner monuments only, but I have found that since I started developing what I call a Surveyor's Narrative for each boundary I survey, that I explain my boundary decisions as fully as possible regardless of if the corners are marked by PLSS corner monuments or not. The clients love the explanation. I'm a better and more thorough land surveyor. And I have had fewer "disagreements" with other surveyors related to gaps or overlaps or boundary line locations because they can see clearly what I was thinking. If they're going to disagree with me they then have to have a very good reason, to which I try to always be open. I try, anyway.

Have fun out there. ■

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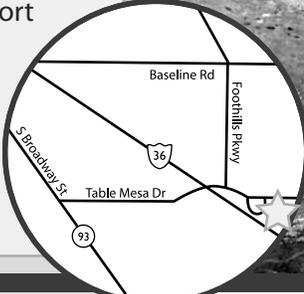


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April 2, 2012

Mr. John B. Guyton, Editor
Side Shots
3825 Iris Ave.
Boulder, Colorado 80301

Dear Mr. Guyton:

This letter is to inform you of official BLM cadastral surveys in Colorado that have been accepted from November 18, 2011, through March 12, 2012. These surveys were filed in the Public Room, Bureau of Land Management, Colorado State Office, 2850 Youngfield Street, Lakewood, Colorado, 80215.

The accepted original surveys, resurveys, supplemental plats or remonumentations are listed below by township, range, meridian, group number, type, approval date and number of plats.

<u>Township</u>	<u>Range</u>		<u>Meridian</u>	<u>Group #</u>	<u>Type</u>	<u>Approved</u>	<u>Plats</u>
T. 50 N.	R. 07 E.		NMPM	1536	Plat & Notes	11/18/11	1
T. 15 S.	R. 71 W.		Sixth	750, 1550	Plat & Notes	12/02/11	1
T. 12 S.	R. 90 W.		Sixth	1581	Suppl. Plat	3/12/12	1
T. 13 S.	R. 90 W.		Sixth	1581	Suppl. Plat	3/12/12	1

As other surveys are completed, I will advise you of their acceptance. You may circulate this letter among the membership of the Professional Land Surveyors of Colorado.

Sincerely yours,

Randy Bloom
Chief Cadastral Surveyor for Colorado

PLSC Board of Directors Meeting Minutes

February 09, 2012 4:00 p.m.: Conference Call

* Call to Order: 4:05 PM

* Recognition of PLSC Board Members and Officers:

Present:

Officers: Roger Nelson, Mike Bouchard, Diana Askew
Board: Bill Buntrock, Peter Kent, Peter Krick, Stan Vermilyea, Parker Newby,
Exofficio: Kayce Wohlman, JJ Rhineck, Brian Dennis
Non-voting: J.B. Guyton

Absent: Terry Maw, Todd Beers, Patrick Green, Gary Gable

Meeting was called to order at 4:08 PM - A Quorum was present.

- Welcome of Guests

Additions, deletions and modifications to agenda:

- Vermilyea – Add nomination of awards – agenda approved with addition.

Agenda:

1. Approval of minutes from previous meeting with the following change: Krick was shown as absent at last meeting but attended. Bouchard (M) Wohlman (S) – Passed (no nays).

2: Executive Director Duties, UPS Program Management: Newby will contact UPS Program Manager

3: Volunteer to get post cards sent to newly licensed surveyors. Bouchard will obtain address and mail postcards.

4: PLSC Scholarship procedure/committee – Chaired by Tom Sylvester. Information for Committee forthcoming.

5: Bob Stollard's House (Update?). Askew contacted Dave P. – Dave will petition the court.

6: 2012 Budget Tracking – Terry Maw & Diana Askew. Current overruns at \$5,400 – review after conference.

7: 2013 Sunset Review Process – Alan Blair

7A: Lobbyist – Secured Peg Ackerman to monitor legislation at \$1,200 level.

7B: Sample Affidavit of Correction Approval for posting to web page. Ed B to add language and then Terry will upload to website. Buntrock (M) Wohlman (S) – Passed (no nays)

7C: Response to proposed practice act, majority of Board to include discipline in company name. PLSC BOD supports this measure. Wohlman (M) Parker (S) – Passes with 1 nay (Bouchard)

8: GISCI Position. Tabled – waiting for NSPS Statement.

9: Status of research pertaining to Warren Andrew's letter regarding donation for memorial for past PLSC Presidents – Forwarded research to Warren Andrews and awaiting response. Tabled – waiting for additional information from Warren Andrews.

10: PLSC Website - Updates, Protocol, etc. – Brian Dennis. Committee just starting – more information forthcoming.

11: 2012 Surveyor's Summit Status – Todd Beers (signed contract with Arvada Center); Gable, Green, Nelson and Guyton to man registration booth on Thursday.

12: Nominations. Send nominations for BOD vote – vote to be completed By Feb 14, 2012.

13: PLSC 2012 Main Goals (3 Primary Measureable Goals): Financial Growth and Stability, Chapters, Public Involvement

14: Reports. All reports (if any) tabled.
Next Meeting Date and Location: March 21st, 2012, 4:00 to 5:30 PM, Merrick conference room.

Being no further business, Vermilyea (M) Wohlman (S) to Adjourn.

Adjourned at 5:58 PM. ■

Respectfully Submitted
Terry R. Maw
Secretary PLSC

PLSC Board of Directors Meeting Minutes

March 2, 2012 5:30 p.m. Arvada Center

Roger Nelson opened the meeting:

Roger thanked all the directors and others who put the 2nd annual Rocky Mountain Surveyors Summit together and gave a special thanks to Diana Askew and Todd Beers.

J.B. Guyton was recognized and thanked for all his work in producing *Side Shots* on a quarterly basis and maintaining it as a high quality professional publication.

A new business issue was presented that deals with the railroad in southern Colorado. The issue of requiring a railroad owner to monument the railroad right-of-way before removing the rails was discussed. The rails as a monument for all adjoining properties is important to maintain and we do not have anything in place to

assure the perpetuation of the right-of-way.

Roger thanked J.B. Guyton for being our representative to the Western Federation of Professional Surveyors and acting as a facilitator at the Summit Meeting held on March 1. Roger also thanked Warren Ward for being our representative to the National Society of Professional Surveyors.

Kayce Wohlman was recognized for all her work on the GIS of the Rockies and Mike Greer was thanked for taking care of the hats and shirts with the PLSC logo.

As special thanks and plaque was presented to Lisa Isom for hosting the PLSC Library in her office. She encouraged surveyors to stop by and see the collection.

The next item of business was elections for next

year. Roger asked members to step up and participate in the organization by running for office. This is your organization and needs your support and involvement.

Roger pointed out what the organization has done for the members this last year, and where we are headed.

a) Scholarship committee formed to increase use of the funds available for scholarships;

b) A plaque for past presidents to be recognized for their service;

c) The PLSC web site has been redesigned and a committee formed to keep it updated;

d) The board and Legislative committee is reviewing the Sunset Review items and responding to DORA with opinions on issues;

e) A suggested surveyor's affidavit of correction has been developed and placed on the website for use;

f) The 2011/2012 Refresher course is in progress and a potential for web cam coverage on the western slope is in the works;

g) Our next board meeting on March 21, 2012 will discuss the Summit and see where we can improve for next year;

h) We need to have a membership drive this next year and bring it to a local chapter level to increase membership;

i) We will define 3 main goals for the year and strive to achieve them:

Financial Stability

Improve PLSC communication with chapters

Increase public involvement

Awards were presented along with plaques to the following:

1) Lisa Isom – For supporting and maintaining the PLSC Library

2) J. B. Guyton – West Fed Delegate

3) Dave DiFulvio – West Fed Delegate

4) Diana Askew – Special thanks for all she does for PLSC and the Board

5) Rob Snodgrass – Distinguished Service award for supporting PLSC

6) Dennis Shellhorn – Distinguished Service award for service to WCLS

7) Todd Beers – Distinguished Service award for service to PLSC

8) John Kobylarz – Citizen Surveyor for outstanding work in the profession.

9) Rick Mason – Surveyor of the Year for all his professional contributions over the years.

Roger thanked Stan Vermilyea for all his work in putting the Awards together.

With no further business the meeting was adjourned at 6:30. P.M. ■

PLSC Treasurer's Report General Funds - As of 3/16/2012

(Includes unrealized gains)

As of 3/16/2012

Account	12/31/2011 Balance	1/31/2012 Balance	2/29/2012 Balance	3/16/2012 Balance
Bank Accounts				
C PLSC Inc	6,694.35	21,329.57	35,890.36	110,621.33
MC PLSC Inc	20,485.48	22,792.02	80,541.12	5,542.50
S PLSC Inc	30,319.89	30,325.04	30,329.86	30,329.86
TOTAL Bank Accounts	57,499.72	74,446.63	146,761.34	146,493.69
OVERALL TOTAL	57,499.72	74,446.63	146,761.34	146,493.69

PLSC Treasurer's Report Scholarship Funds - As of 3/16/2012

(Includes unrealized gains)

As of 3/16/2012

Account	12/31/2011 Balance	1/31/2012 Balance	2/29/2012 Balance	3/16/2012 Balance
Bank Accounts				
C PLSC Scholarship Fund Inc	2,085.62	1,985.62	1,885.62	1,894.62
S PLSC Scholarship Fund	49,819.91	49,928.39	50,036.34	50,136.34
TOTAL Bank Accounts	51,905.53	51,914.01	51,921.96	52,030.96
Investment Accounts				
ICA	27,527.16	27,527.16	29,638.90	30,701.37
Investment at Merrill Lynch Investments	22,494.45	22,494.45	25,362.65	26,259.85
WMIF	25,786.64	25,786.64	27,678.19	28,807.59
TOTAL Investment Accounts	75,808.25	75,808.25	82,679.74	85,768.81
OVERALL TOTAL	127,713.78	127,722.26	134,601.70	137,799.77

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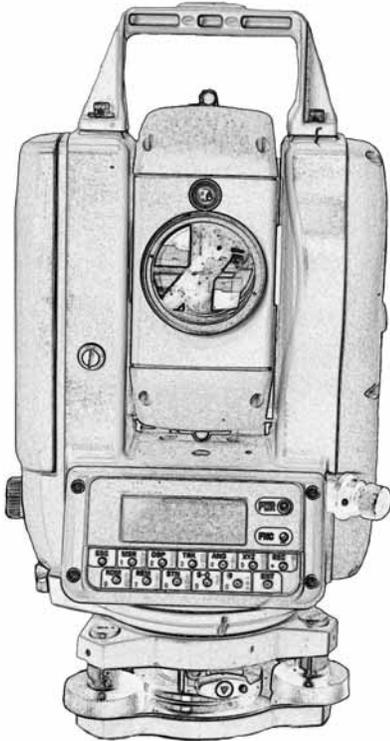
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Friday • June 15, 2012 • 8 a.m.-5 p.m.

Saturday • June 16, 2012 • 8 a.m.-5 p.m.

Registration at 7:15 a.m. both days

Topics:

Writing Legal Descriptions, Boundary Law, Railroad Right-of-Ways, "Pincushion" Corners, GPS Procedures—Field to Finish, Colorado and New Mexico State Statutes

Speakers:

Jeff Lucas, David Pehr, Pamela Fromhertz, Robert Greene, Charlie Tucker, Gary Gable

Location:

Vallecito Room, Fort Lewis College, Durango, CO

For more information and to register please visit www.plsc.net

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CCPS

The Summit is over and so is the first quarter of 2012. CCPS would like to thank the Officers and Directors that served the last couple of years: Vice-President Earl Henderson, PLS; Secretary Norm Simonson, PLS; Directors Rob Snodgrass, PLS, Randy Zerr, PLS, PE and Jim Beatty, PLS.

Please let the new Board know that you appreciate the work that they do when you see them at the next meeting they are:

President: James (JJ) Rihaneck, PLS; Vice President: Chris Raml, PLS; Secretary: David Kuxhausen, PLS; Treasurer: Aaron Willis, PLS
Directors: Eldon Knoll, PLS; Kevin Kucharzyk, PLS; Director: Terry Pickering, LSI; Director: Jason Pollock, PLS; Director: George Robinson, PLS; Director: John Wilhelm, PLS CFedS; Shawn Clarke, PLS

Our next General Meeting is scheduled for April 26th at the Double Tree Hotel, at Iliff and I-225 in Aurora. The speaker is Wayne Lorenz, PE talking about Ancient Roman Aqueduct Bridges. You don't have to be a CCPS member to hear this exciting topic or just come for the food and to meet with friends. Cash bar starts at 6:00 PM, dinner starts at 6:30 PM. I hope to see a lot of people there.

James (JJ) Rihaneck, PLS
CCPS President

CSRN

It is that time of year again! The Colorado Spatial Reference Network (CSRN) is hosting its annual GPS Day event on May 12th at the Utah Park in Aurora, Colorado from 10am-2pm. This is a free event with food and GPS activities.

This is a great event designed for adults and youth interested in learning about GPS, land surveying and GIS. This event is part of the CSRN's goals for outreach and education. We will have land surveyors and GIS professionals ready and excited to meet with you and discuss the various applications of GPS in our professions. Who better to learn from about a profession and their application of GPS than from the professionals who use it regularly? In addition, we will have

some of Colorado's top Trimble, Leica and Topcon pros available to discuss various methods and applications of GPS with equipment on hand. This includes Frontier Precision, Vectors, Hixon Manufacturing, Compass Tools and Rocky Mountain Lasers. These companies have partnered with the CSRN for this event to assist in the education and outreach effort in regard to GPS. We are already suggesting attendance at around 200 versus the 120 attendees we had at last year's event. The Boy Scouts and Girl Scouts are excited to see what we do differently this year. They had a lot of fun and learned a lot about GPS last year and we are excited to see them too!

We will be sending more information soon about the details and activities for the event. There is a "Save the Date" flyer in this issue of Side Shots. Pass this along to everyone you know who has an interest in GPS, land surveying or GIS. We look forward to seeing you there!

The CSRN participated in this year's 2nd annual Rocky Mountain Summit. We hosted a 4-hour session with speakers from the survey and GIS professions focusing on Surveyor to GIS work flow. It was a success. We had good attendance for our tracks and most responded with good feedback and seemed to enjoy the topics and speakers. We look forward to continuing this effort for outreach and education with the PLSC.

The CSRN website is now up to date thanks to Eric Carson, CSRN VP, for his monumental efforts to accomplish this task. Visit our website and see the events and activities we are working on.

We are currently in the process of changing our chapter by-laws, allowing non-surveyors to be Board members to appeal to a broader base for membership. This will also give the survey profession some insight into other non-survey profession applications of GPS. This further expands our outreach goals to permit a more encompassing chapter focused towards GPS and real time networks. This will be complete by end of April 2012.

Brian Dennis, PLS
CSRN President

NC-PLSC

The Northern Chapter is now selling 2012 booklets. For those of you who haven't received yours send a check for \$20 and we'll get a copy mailed to you, c/o Northern Chapter, PO BOX 674, Loveland, CO 80539-0674. This booklet has undergone many revisions since last year and has even had DORA's review for content and edits. DORA is very excited about this effort and is happy to see that it's available for statewide distribution. Northern Chapter members should expect their copy for free in the mail in the next month. Paul Bacus has been spearheading this endeavor and the surveying community benefits from his laborious efforts. Join me in thanking Paul for his time and passion for our industry.

Another success story circles around a records preservation issue that existed in Larimer County. Old maps that were incredibly beneficial for any surveyor were subject to being lost. These maps include Exemption Plats, Boundary Line Adjustments and other pertinent surveys. Laine Landau brought this matter to the County and after about a year of persistence managed to resolve this problem. These older records are now scanned and available by the Clerk and Recorder's Office to anyone. Laine's efforts paid off and surveyors have her to thank!

The last official meeting before our Chapter's summer hiatus will be May 2nd. Join us as for dinner, a presentation and conversation as we wrap up this year. Stay tuned for a summer picnic. Our Chapter intends on having a baseline check where we surveyors can check our equipment to ensure the accuracy and precision of our equipment. Details will come via email.

Kayce D. Wohlman, PLS
Northern Chapter President

NW 1/4 CLS

As some of the final snows of the season are melting away at the middle and higher elevations, many of us in the surveying profession throughout out great state should be increasingly concerned about a lurking danger for this 2012 Field Season. And that is wildfire danger.

It's GPS Day

Saturday – May 12, 2012 ~ SAVE THE DATE!
Utah Park ~ Aurora, Colorado

Join Us! Join the CSRN for our 2nd Annual GPS Day Events. There will be opportunities to learn about GPS and GIS (and what they stand for) as well as Land Surveying, Geocaching, Geodesy and how these things impact us in our daily life.

Who should attend? Kids and their parents, Students, Boy Scouts, Girl Scouts, Smart Phone Users, Outdoor enthusiasts, GIS and GPS Users of any kind.

Possible Activities to include: Handheld GPS Navigation Course, Letterboxing (Girl Scout Brownies Badge), Geocaching (Girl Scout Juniors Badge), Hands on activities with GPS and Land Surveying Equipment and much more.



Remember that this is a FREE event for all!



Colorado Spatial Reference Network
of the Professional Land Surveyors of Colorado, Inc.

Our Website: www.csrn.us
Email: info@csrn.us

Primary Contact:
Brian Dennis, President
Note: Publications, News, Press, Vendors, etc.

Secondary Contact:
Eric D. Carson, Vice-President
Note: Girl Scout contact.

Event Location Coordinator:
Jan Sterling, Secretary
Note: Event location, facilities and Boy Scout contact.

Please contact us if you are interested in being a volunteer, sponsor or donating to the event.

Event Details

Date:
Saturday - May 12, 2012

Time:
10:00 A.M – 2:00 P.M.

Location:
Utah Park
1800 South Peoria Street
Aurora, Colorado 80012

Sponsors:
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Snowpack in NW Colorado is just around 50% of average and statewide snowpack averages of 60-75% are common. This means that without substantial summer rains, the State will almost certainly be in a drought situation and the combustibility of the brush and dead pines will pose an ongoing threat.

Many of us in the west slope work in remote areas almost daily, where cell phones may not work and access into and out of job sites may be difficult. Therefore, some caution and good common sense may help prevent a disaster. Here are some suggestions:

1) The fire bans are in effect for a reason. Don't think you are different!

2) Plan your way into and out of the job site, with hopefully an alternative exit strategy. I was working on a County Road a number of years back and a dry lightning strike started a wildfire before my eyes. Within minutes, the winds had whipped it into an exploding inferno. Fortunately, I was able to exit the area in the other direction. There was no cell phone coverage. The next cell phone area was over five miles away, where I was able to call 911.

3) Be alert for signs of recent smoke. Your senses of smell and sight could save your life!

4) Be especially cautious as thunderheads appear. They could result in dry lightning, or enough of a deluge to make your four wheel drive road impassable, yet still set off a fire.

5) Forget about smoking outside a vehicle. Don't even think about it.

6) Make sure someone in your office or family knows specifically where you are going every day so in the event of a wildfire and you become trapped, they know where to look for you.

7) If you do spot a new wildfire, report it as soon as reasonably possible. Wildfire firefighting efforts will be spread thin this coming season and stopping a fire early is often much easier than after it generates its own destiny. Wildfires can literally become their own mini weather system, i.e. inferno.

So, until the State of Colorado has a major change in its weather

patterns for a period of time, some good common sense and forethought may help prevent the possibility of a tragic situation. Take care out there!

Brian T. Kelly
President, NW 1/4

SCPLS

Our elections were held at the beginning of the year and the results are as follows:

Mark Johannes did not seek reelection and Joe Alessi was elected as President of the Chapter. Steve Parker's term as Director was up and he was elected to the Vice-President position. Nathan Lira and Jon Tessin were reelected to Director positions. Don Hulseley was elected to the Director position vacated by Steve Parker. Congratulations, Don!

Mark Johannes
Immediate Past-President, SCPLS

SWC-PLSC

The SWC-PLSC had their latest meeting on February 28th at Goff World Headquarters. Todd Johnston of CDOT gave a presentation on a recent CDOT resurvey. We are continuing the discussion of a CORS station in the SW region. Parker Newby informed us of upcoming scholarship committee meetings and how we can be involved. We would like to hold the next regular chapter meeting at a different venue (other than Durango) to help benefit some of our hard to reach members. The SWC-PLSC Four Corners Seminar is coming up June 15 and 16, 2012. Check the plsc.net website and the ad in this issue for more information.

Joshua Casselberry, PLS
President, SWC/PLSC

WCLS

Our last chapter meeting was on March 14, 2012 (16 members attended), 6:30 till 7:45

Dinner: 6:00 – 6:30 (Thanks Peter Krick).

Spring Seminar date set: May 18, 2012; Speaker: Jim Beckwith; full day seminar includes: A PRACTITIONER'S GUIDE TO RESEARCH AND PRESENTATION OF ROAD CLAIMS and SURVEY-

OR'S PROFESSIONAL LIABILITY. The cost will be \$150 for early registrants and \$200 for late registrants (after May 7th).

Recognized members for PLSC awards: Rick Mason (Surveyor of the Year); Dennis Shelhorn (Distinguished Service Award); Jon Kobylarz (Citizen Surveyor of the Year)

PLSC Meeting: (Pat Green) Awards for members, Scholarship Committee set up, web site has changed – use site and give feedback, continuing education has stopped, membership needs to go up. Three goals: (1) Financial stability, (2) Improve communication with chapters, (3) Public involvement.

Mesa County Surveyor (Pat Green): Nothing major, checking subdivision plats, updated website, call if you have questions.

City of Grand Junction Surveyor (Peter Krick) thanked Pat Green for cooperation with City/County issues, House Bill 12-1210, original township info. on railroads/streets.

PLSC Scholarship Committee (Tom Sylvester): More consistent approach for scholarships, funds are separate from main PLSC funds. How do we reach out to get more applicants?

TrigStar (Tom Sylvester): Contacted Central High School for participation.

Discussions: House Bill 12-1210. Chapter voted to oppose this bill and send info. to PLSC for vote tomorrow.

How to get more members: Committee created to look into issue.

Future surveyors: look into getting Boy/Girl Scouts exposed to surveying for the future.

Introduced Dan Ginther, Western Slope Cadastral Surveyor for BLM. Dave donated three BLM manuals. One was given as a door prize at meeting; won by Mark Britvec. The other manuals will be given away at the spring seminar. Talked about giving a presentation on GCDB at a future meeting.

Richard Bullen, PLS
President, WCLS

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