



# Parallax

Newsletter of the Central Coast Chapter of the  
California Land Surveyors Association

December 2015  
Volume: 19  
Issue: 12

## DECEMBER 2015 MEETING

- Date:** Saturday, December 19, 2015
- Time:** 10:30am - 1:30pm BRUNCH!
- Where:** San Luis Yacht Club [Map](#)  
At the front of the Avila Pier
- Cost:** \$10.00 which includes two drink tickets
- Bring:** One Dish (Salad, Vegetables, Deserts or pastries)  
White Elephant gift (Wrapped)
- And:** Bring an unwrapped toy for a teen  
Will be delivered to Salvation Army for distribution
- RSVP:** Cristi Fry [cristi.fry16@gmail.com](mailto:cristi.fry16@gmail.com)

### ABOUT THE YACHT CLUB

The San Luis Yacht Club was originally established in 1937 with emphasis on sailing and boating activities. The local papers included many articles about the activities which were being held to stimulate interest in boating in the community. Club sailing races and other boating events were regular occurrences at the Port up through 1939 when, by then, there was enough common interest to pursue the construction of the clubhouse. The Club obtained their first lease from the County on December 2, 1940.

The Club's history has associations with World War

II. Shortly after it was completed in 1941 ( the first meeting was held on July 2), the Army began maneuvers on the beach and the clubhouse was even offered as a dry place to sleep on Pearl Harbor Day, December 7. The Club subsequently leased the building to the Navy until 1944 and the Coast Guard until December 1945.

In its influence on the harbor and the local area, the Club was supportive of improvements within the harbor and was active in urging the construction of the harbor breakwater.

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**Scenes from last years  
Christmas party!**

Thanks to Robert Reese for these photos.

2015

**Central Coast Chapter**

**CLSA Officers**

- ▶ **President -**  
Jonathan Walsh  
*jwalshpls8590@att.net*
- ▶ **Vice President -**  
Cristi Fry  
*cfry@thainc.com*
- ▶ **Secretary / Treasurer**  
David Karp  
*karplandsurveys@gmail.com*
- ▶ **Immediate Past President**  
George Marchenko  
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- ▶ **Chapter Representatives**  
Robert Reese  
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Ian McClain  
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To submit articles, request Parallax to be emailed to you, or for information on advertising in Parallax; email us at:

*Central.Coast.CLSA@gmail.com*

## PRESIDENT'S MESSAGE

Jonathan Walsh

**H**ere is my last message as President of the Chapter, the Central Coast Chapter, and the best Chapter in the state! It has been an honor to have served this past year. This will end my fourth year as an officer. I would like to think that I am leaving things better than when I started. Truthfully, I think things are about the same, and that is fine. We have about 10k in the checking account, we are fighting to get forty corporate paid members, and we are trying to preserve monuments. I do not say this in a negative connotation, but in a satisfied one. I think one of the reasons we all live and love it here is things do not change much, if they do, they certainly are not sudden. I know I am leaving the office and handing it over to three highly qualified people. I wish them all the best and much success. Cristi, Dave and George are going to do just great.

I started the year with one goal in mind. I wanted to bring youth into the profession. I believe I have influenced one high school student. I may have influenced a few college students while visiting the Cuesta College Surveying Courses. I want



to think that I at least made some students question their choice in major. Why would a 51-year-old man come into their class, jump up and down bragging about the money that he makes doing such a cool, fun job. A job he still enjoys after 33 years. I really doubt that they ever had a Mechanical Engineer try to recruit them in any way close to my way.

One item that was a success this year was our Monument Conservation Meeting. This was a worthwhile event with key people attending. Ron Nelms of the Bakersfield Chapter was our presenter and did an amazing job. The CCC PPC worked hard on the logistics. Several people were key in making this happen, too many to name but Robert Reese and Cristi Fry are two that were a driving force, thank you to them and the rest of the PPC.

I want to thank several people that have helped and encouraged me for the last four plus years. First and foremost is Tom Mastin. I hope he will not edit this content out, as he has done in the past! We all know Tom does a lot of work for this chapter, the association and the profession. After getting to know Tom better while working with him, I have come to realize how important he is in keeping things rolling along. For me personally, Tom has been a supporter of mine. He uses subtle hints for things I may want to say, and how to say them, and things I need to get done, (like this message!). I guess what I am trying to say is thank you Tom; you really do not know the influence you have on others, and that is a great thing for us and our profession. I know I would not have even run for Secretary, without knowing I had Tom's support.

I have said it before, but Robert Reese has continually supported and helped me along the way. Thank you Robert. By the way, I have written several things about our fearless editor, only to have them edited out! Linda Richardson and her knowledge of all

Continued on Page 5



**ROBERT J. REESE**  
Owner • PLS 6208  
robert@reesesurveying.com

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The logo for triad/holmes associates, featuring a stylized black triangle with the letters 't', 'h', and 'a' inside it.

**triad/holmes associates**  
Civil Engineering, Land Surveying  
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Redwood City \* Napa \* San Luis Obispo

Specializing in: Land Development, Subdivision  
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Pollution Prevention Plans, ALTA Surveys, Lot  
Line Adjustments, Construction Staking

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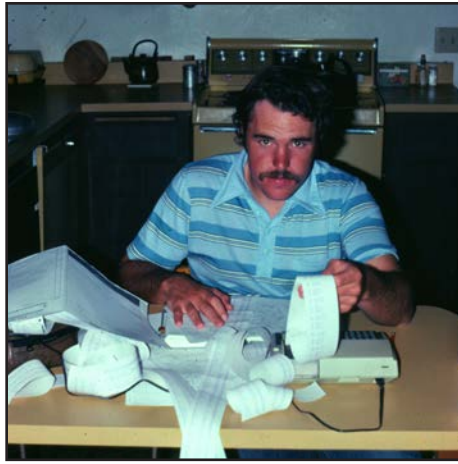
## FROM THE EDITOR

By: Tom Mastin

**H**appy Holidays to everyone. Just in case you are curious, I really have no problem with what color Starbucks cups are, as long as they are filled with just coffee.

As with every end of the year we tend to take stock of what has gone on in the past year and use that to predict how the upcoming year will go. All we really come to realize by doing this is that in many ways every year is the same and in many ways every year is different. With that said I will now do a retrospect (abbreviated) on the last year as it relates to our chapter.

We are coming to another end of another productive year for our Chapter. We have had some amazing programs such as Monument Conservation both for the Chapter and then for local agencies, some great speakers such as **Julie Rodewald** and **Tommy Gong** SLO Clerk Recorders, past present; **Rick Moore**, Executive Officer of BPELSG; our own **Mike Stanton** and some interesting locations like the Pappy McGregor's patio on their second to last day of business and the SLO County Museum for our meetings. We have also had a number of members and supporters pass away over the year including **Fred Shott** and **Dan Stewart**. We have had some very well attended meetings and some not so



well attended meetings. We had another great Trig Star program, summer barbeque and will have a very fun Christmas Party.

The end of this year has a special meaning to me, as this will be my last issue of Parallax with me as the editor. That should be good news to most of you, in fact to all of you except the person who will be replacing me. Over the years we have had a number of very good editors of the Parallax, and some not so good (and yet I was allowed to be editor again!). What I have observed, is that this is a volunteer position that takes a very concerted effort over a short period of time once a month. That tends to wear on whoever is wearing the editor hat at about month 18. So when I forgot to step back when they were asking for volunteers, I did indicate that my time would be a short term run.

Over the years I have seen that one of the big problems with editing the Parallax is getting the ma-

terial from the officers in a timely manner. As much as I would like to say that was my problem on this run, it just was not the case. For both years everyone has been very responsive it getting the necessary material to me. It has really been great from that perspective and I have enjoyed my time doing this again. I just see that I am starting to get less concerned about the schedule, and less worried about getting Parallax published. If I have one negative with my time as editor, it is that I have not been able to get in articles that elicit a response from the readers. I keep hoping that someone will read some of these articles besides the editors and officers, and let me know what they think. I did get some responses to my request and I appreciate those that did respond.

So again, I would like to thank the Officers I have had the pleasure to work with, **George Marchenko**, **Jonathan Walsh**, **Cristi Fry**, **David Karp**; the Directors, **Linda Richardson**, **Ian McClain** and those other active members that have given me articles that I used and advice that I ignored; **Robert Reese**, **Mark Lewis** and **Leonard Lenger**. There are others, most importantly **Claire**, which have also made this job fun, if not rewarding.

Happy New Year.



*President's Message . . . from page 3*

things CLSA, thank you. JoAnn Head and your wonderful helpful enthusiasm, and use of your office, thank you. Ian McClain and your knowledge and support, thank you. Leonard Lenger, Fred Schotts and Kenny Fargen are all so very generous with complements of

support. All the officers that I have been honored to serve with, thank you. The members at the meetings that were so forgiving of my lack of knowledge of Robert's Rules of Order, THANK YOU ALL.

All in all, this was a great experience. I highly recommend it to any-

one. It has been a pleasure and an honor to serve. It is something that I think all professionals should do. I am a firm believer in giving back to what has helped in making one a success.

Thank you, Jonathan J. Walsh,  
PLS.



**REESE Water & Land Surveying Services  
Is Pleased to Announce...**

A new office location in the bustling, metropolitan center of beautiful downtown Baywood, California.

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1316 2nd Street  
Industrial Complex B  
Baywood, CA 93402-1112  
N 35° 19' 40", W 120° 50' 27"  
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**RWLSS HAS QUITE A FEW IRON PIPES FOR SALE.**

3/4" x 30" – 7

1" x 30" – 6

1" x 24" – about 42

1" x 12" – about 60

1-1/2" x 12" – 8

\$1 each OBO

Call Robert at 805.439.2741

## FROM THE COUNTY SURVEYOR OF THE COUNTY OF SAN LUIS OBISPO

The proposed Ordinance to amend Title 21 is being scheduled for introduction on the January 5, 2016 SLO County Board of Supervisors agenda. The public hearing for the Board's consideration of the ordinance amendment is tentatively scheduled for January 26. (The reference to a 30 day notice in my previous message was incorrect, I have since learned the minimum notice is 5 days for this type of action). Since my first message I have also added an additional proposed amendment, to 21.06.026, to eliminate Parcel Maps based on record or compiled data only (aka "record maps"). In other words, all parcel maps will be required to be based on a field survey. (Tract maps already are required to be based on a field survey).

The draft text of the proposed ordinance amendment is as follows:

**Section 21.06.020(a)(2) of the San Luis Obispo County Code is hereby amended to add the following:**

- (xiii) The basis of bearings shown on the map shall be referenced to the California Coordinate System 1983, Zone 5, (CCS83 Z5) as defined in California Public Resources Code Sections 8801-8819. Parcel maps based on record data only as provided for in Section 21.06.026 shall be exempt from this provision. Any other exemption shall be at the discretion of the County Surveyor;
- (xiv) A minimum of two monumented locations on the exterior boundary of the subdivision shall be tied to CCS83 Z5 coordinates with the horizontal coordinates for each of those locations listed on the map and expressed in feet and decimal of a foot, in units of the "US Survey foot." The epoch of the coordinates shall also be shown on the map. Any exemption shall be at the discretion of the County Surveyor.

**Section 21.06.026 of the San Luis Obispo County Code is hereby amended to remove the following:**

21.06.026 - Parcel maps, based on field survey or compiled from recorded or filed data  
Parcel maps shall be based upon a field survey made in conformity with the Land Surveyors Act; provided, however, that if all parcels resulting from the division have a gross area of forty acres or more, or each of which is a quarter-quarter section or larger, the parcel map may be compiled from recorded or filed data when sufficient information exists on filed maps to locate and retrace the exterior boundary lines of the parcel map, and if the location of at least one of these boundary lines can be established from an existing monumented line.

It is important for all to know that the January 5 meeting is only the introduction of the ordinance (i.e. public notice). The January 26 meeting is the time that the Board will hear all public testimony regarding the proposed amendments and make a decision up or down, or to continue to a later date. I encourage all members to attend the January 26 meeting and address their support or opposition to the Board.

Doug Rion

County Surveyor

San Luis Obispo County Public Works Dept.

805-781-5265

drion@co.slo.ca.us



### SAFETY EQUIPMENT FOR LOAN

You can't be too careful these days, particularly with the motoring public and especially with increased traffic during the "holiday" season...

RWLSS has several safety items for loan.

2 - 4x4 SURVEY CREW signs and heavy duty stands and flags

2- 3x3 SURVEY CREW signs with med. duty stands and flags

About 2 dozen 18" traffic cones

Call Robert at 805.439.2741



# WEBINAR:

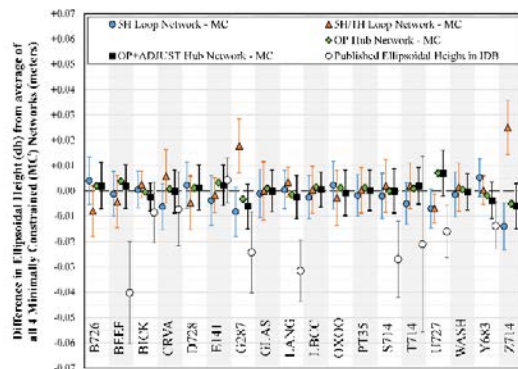
DATE: **December 17, 2015 10-11am (PST)**



## Evaluating NGS58 and OPUS-Projects: Finding Accurate Ellipsoidal Heights with GNSS

by: Daniel T. Gillins, Ph.D., P.L.S.

Assistant Professor, Oregon State University



**Synopsis:** *With the future of NGS veering away from passive control points, surveyors must be prepared to establish vertical control networks using GPS. Daniel will guide us through examples of real life control networks and the accuracies established using Trimble Business Center and OPUS. He will also give us a background of why NGS is distancing itself from the passive control points that has been the backbone of surveying for half a century.*

**Speaker Bio:** Dr. Daniel T. Gillins is an assistant professor of civil engineering (geomatics) in the School of Civil and Construction Engineering at Oregon State University. He is a licensed professional land surveyor in Utah and Oregon. Dr. Gillins teaches undergraduate and graduate courses in surveying theory, least squares adjustments, and GNSS at Oregon State University. In addition, he is the principal investigator of several research projects in earthquake hazard mapping, height modernization with GNSS, and structural inspections with Unmanned Aircraft Systems (UAS). These projects are funded by the USGS, NGS, Oregon Department of Transportation, and PACTRANS. Prior to his job at Oregon State University, he spent 10 years working as a surveyor for the Bureau of Land Management and the U.S. Forest Service. He is an active member in the Geomatics Division of the American Society of Civil Engineering (ASCE), currently serving as editor of the update to the ASCE Engineering Surveying Manual. Dr. Gillins is also a member of the American Association for Geodetic Surveying (AAGS), and the Professional Land Surveyors of Oregon (PLSO). Dr. Gillins has authored several peer-reviewed scholarly papers and helps review journal articles for *Surveying and Land Information Science (SaLIS)* and the *ASCE Journal of Surveying Engineering*.

**PLEASE RSVP:**      Select [here](#) to Register for the Webinar

**COST:**                 \$25/ per person, Select [here](#) to pay



**CENTRAL COAST CHAPTER**  
of the  
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Email: [central.coast.clsa@gmail.com](mailto:central.coast.clsa@gmail.com)

**Minutes**

**CENTRAL COAST CHAPTER CLSA MEETING** held on **November 17, 2015** at **6:00 PM** at **History Center and Creekside Brewing, San Luis Obispo, CA**

**CALL TO ORDER 7:32 PM**

**PLEDGE OF ALLEGIANCE**

**ROLL CALL/ INTRODUCTIONS**

Jonathan Walsh, President  
Cristi Fry, Vice President  
David Karp, Secretary/Treasurer  
George Marchenko, Immediate Past President  
Ian McClain - State CLSA Board Director

**26** Total in attendance at the meeting.  
**19** CLSA Members.  
**17** Guests.

**APPROVAL OF MINUTES**

**MOTION** by Tom Mastin and **SECONDED** by Ken Fargen to approve the October 21, 2015 Chapter Meeting Minutes as published in the November Parallax.

**MOTION CARRIED**

**PRESIDENT'S REPORT**

President Jonathan Walsh reported: Rolland from the Bakersfield Chapter is going to nominate Ron Nelms as the *CLSA Member of the Year*, and wanted to know if our chapter would support it.

**MOTION** by Cristi Fry and **SECONDED** by Doug Rion to support the Bakersfield Chapter nomination of Ron Nelms for the *CLSA Member of the Year*

**MOTION CARRIED**

Jonathan will send an email to show our support of Ron Nelms

Jonathan also reported on the passing of Daniel J. Stewart, RCE 14,994, the service will be at St. Rose in Paso Robles on November 21<sup>st</sup>. Nick Gilmer, PLS 8245 a coworker of Jonathan also passed and the service for him will be on November 21<sup>st</sup> in Bakersfield at the Bridge on Stockdale Highway.





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**VICE PRESIDENT'S REPORT**

Vice President Cristi Fry reported that she wanted feedback on the venues and programs that the individuals liked the most for the year.

**SECRETARY/TREASURER'S REPORT**

Secretary/Treasurer David Karp reported the current Chapter checking account balance is **\$9,261.33**

On 11/17/15 I gave a check (2799) to Cristi Fry, in the amount of \$137.95, for reimbursement of items purchased for CLSA Monument Preservation Seminar.

On 11/17/15 I gave a check (2801) to Cristi Fry, in the amount of \$1090.78, for reimbursement of Meals and gratuity at Madonna Inn for CLSA Monument Preservation Seminar.

On 11/17/15 I gave a check (2800) to Robert Reese, in the amount of \$71.16, for reimbursement of items purchased for CLSA Monument Preservation Seminar.

The cost for dinner tonight is \$30, make checks payable to CCCCLSA. \$5.00 will go to the History Center

**DIRECTOR'S REPORT**

Director Ian McClain reported

The Antitrust Document and Chapter Affiliation Agreement were returned to the committee for revisions; input should be directed to Chairman Keith Spencer.

The CLSA Education Foundation is seeking donations from chapters and individuals to fund the Bob Hart and Hal Davis Scholarships.

**MOTION** by Jonathan Walsh and **SECONDED** by Tom Mastin to discuss the donation of \$500 to the Bob Hart Scholarship.

Tom Mastin amended the Motion to donate \$250 to the Scholarship. Diane Dostalek agreed to donate \$50 of that \$250 (Diane wrote a check #597 on 11/17/15 and gave it to the Chapter Secretary)

**MOTION** by Jonathan Walsh and **SECONDED** by Tom Mastin to approve the amended motion of donating \$250 to the Bob Hart Scholarship.

**MOTION CARRIED**

The Board approved awarding \$5,000 to Dorothy Calegari and \$3,000 to Crissy Wilson to be used for vacations of their choosing as a show of CLSA's appreciation for years of service to the organization. Individuals and Chapters are encouraged to supplement these amounts by December 31st. The final balance will be delivered on January 15, 2016.

**MOTION** by Linda Richardson and **SECONDED** by Berk Blake to donate a \$1,000.00 via private donations to which the local chapter will cover the remainder, to the retirement fund for Dorothy Calegari and Crissy Wilson. The money will be dispersed equally between the two, for their great service to the CLSA.

**MOTION CARRIED**



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**\*\*UPDATE AS OF 11/24/15\*\*** We have had a total of \$1,100.00 of private donations. Thanks to all that donated.

Chapter Annual Reports, Annual Photo Competition submissions, Chapter Newsletter Award nominations, Chapter of the Year nominations, Chapter Website Award nominations, and Distinguished Service Award nominations are due by December 31st.

### **EDUCATION COMMITTEE**

Tom Mastin reported:

On Wednesday, November 18, 2015 there will be a GIS Day event at the SLO City/County Library from 11:00am to 2:00pm. There will be a number of private firms and public agencies that will show how they benefit from GIS.

#### **LS/LSIT REVIEW SESSIONS –**

I have not had anyone get back to me on how we should do the sessions. The Education committee has spent quite a bit of time thinking about the best way to do these sessions and have a possible solution.

Currently the LS exam is offered twice a year at the State level and at the national level. The LSIT exam is offered year round. There have been a number of people who have been looking for a review session during times of the year we historically have not offered them. We usually start the review sessions in February and end them in April before the spring exams.

The Education Committees current idea is to have the chapter create a review session blog. The advantage of the blog would be:

- Available year round
- Multiple professionals could provide input
- Data could be organized in a consistent format
- Links could be made available to other appropriate sites

The disadvantages would be

- No immediate personal interaction to discuss professional concepts
- Require monitoring year round
- Cost of maintaining a blog (web) site and possibly domain name cost

Although are some free sites, they have limitations and they own the material on the site. There are available hosting sites that cost around \$3 a month. Some have free domain registration. If the chapter feels this is a good direction to go, the committee will come up with some options and their cost for the January Meeting.

### **WORKSHOP COMMITTEE REPORT**

Jesse Brady, no report. Not present



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**TRIGSTAR COMMITTEE REPORT**

George Marchenko, no report.

**CHRISTMAS PARTY COMMITTEE REPORT**

Cristi Fry reported that it is all set up for the Avila Yacht Club in Avila Beach on December 19<sup>th</sup> 2015 at 11:00am to 3:00pm. We are changing it up a little, with a Saturday afternoon and a white elephant gift.

**PROGRAM**

History Center program on Historical Mapping

**OLD BUSINESS**

President Jonathan Walsh called for any old business, no old business

**NEW BUSINESS**

Doug Rion, County Surveyor reported they are going to the Board of Supervisors with a proposal to have all future Parcel Maps and Tract Maps be on State Plane Coordinate System.

We need to replace Tom Mastin as the Parallax Editor, he has been tasked with this too long and has done an awesome job. We will need volunteers, please contact Tom or any of the Executive Members.

**ANNOUNCEMENTS**

No Announcements

**ADJOURNMENT**

President Jonathan Walsh adjourned the meeting at 9:02 pm.

Respectfully submitted,

David Karp, PLS  
2015 Secretary/Treasurer  
Central Coast Chapter of the California Land Surveyors Association