

# ***SURVEY NOTES***

Volume 14 Issue 11

November 2008

CALIFORNIA LAND SURVEYORS ASSOCIATION, SAN DIEGO CHAPTER  
5519 Clairemont Mesa Blvd, Mail Box 261, San Diego, California 92117  
[www.sd-surveyors.org](http://www.sd-surveyors.org)

**Chapter Meeting**  
**Wednesday, November 19**

**Guest Speaker:**  
**DK Nasland, PLS, RCE**

## **JPPC: Past Present and Future**

DK Nasland is a second generation Land Surveyor and Civil Engineer working in the San Diego area. His firm founded by his father will be celebrating its' 50<sup>th</sup> anniversary next year. DK has been active with the JPPC since the mid 1980's.

DK and a panel of distinguished members of the Joint Professional Practices Committee will speak on the purpose, past, present and future of the committee, and how the committee serves the public and survey community.

### **Location**

#### **Best Western Seven Seas – Lord Jim Room**

411 Hotel Circle South  
San Diego, Ca. 92108  
(619) 291-1300  
6 p.m. Social/Networking  
6:30 p.m. Dinner  
7:00 p.m. Program

Please RSVP through our CLSA San Diego Chapter website no later than Thursday, November 13

The website address is <http://www.sd-surveyors.org>. Please click on the "Dinner Reservations" button and fill in all of your reservation information there.

*Those who do not make a reservation cannot be guaranteed a meal.*

## **Dinner - \$26**

*Mexican Buffet: Beef fajitas, Chicken enchiladas, beef taquitos, refried beans and Spanish rice, salsa, guacamole and sour cream, Fresh Fruit Tray, tortilla chips and fresh flour tortillas. Dinner includes coffee, tea and flan.*

Price includes tax & tip

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### **Executive Board Meeting**

*October 15, 2008*

Meeting Held at the Seven Seas Best Western Mission Valley

#### **Board Members Present**

Sean Englert, President  
Pat McMichael, Vice President  
Greg Hopkins, Treasurer  
Casey Lynch, Secretary  
Andrew Karydes  
Anne Hoppe  
Marvin Sylakowski  
Tony Nothdurft  
Dave Ambler  
Lonie Cyr

Sean Englert opened the meeting at 5:15 PM

#### **Presidents Report-Sean Englert**

- The CLSA Conference 2009 will be held March 28 through April 1<sup>st</sup> at the Hilton San Diego Resort (Mission Bay).

#### **Vice-President's Report-Pat McMichael**

- November-Meeting to be held at the Best Western Seven Seas, guest speaker will be DK Nasland speaking about the JPPC
- December Christmas Party will be held at Tom Ham's Lighthouse with a new Magician/Comic.
- Pat McMichael **MOTIONED** to allocate funds, not to exceed \$4000, for the purchase of gifts and awards for those that serve the chapter throughout the year. The motion was **SECONDED** by Sean Englert, motion **CARRIED**.

#### **Treasurer's Report-Greg Hopkins**

- The General Fund currently has a total of \$11,930
- The Education Fund has \$14,705

Greg brought to the boards attention the upcoming option to additionally fund and roll over our two Certificates of Deposits into one CD. Greg will get the dates this process is going to be available and action will be taken at the appropriate time.

Since our website is now set accepting credit card payments for the monthly meetings, Greg has requested the Website Committee look into streamlining the way notifications are sent to the current Treasurer, perhaps with one report rather than a separate email for each payment.

#### **Secretary's Report-Casey Lynch**

2 Letters were sent welcoming new State CLSA members and encouraging them to participate at the local level.

#### **Education Committee**

Justin Pallamary successfully visited San Diego High School and promoted Land Surveying as a career to the students.

A **MOTION** was made for Justin to research the cost of 1000 pens to be used as handouts at upcoming school career fairs. The motion was **SECONDED** and **CARRIED**.

#### **LS Review Subcommittee**

Mike Hart has stepped down as the organizer of the LS Review Course.

#### **WE NEED VOLUNTEERS TO STEP UP IN THE FOLLOWING ROLES!!!:**

**Organizer-** Keeps the review course attendees motivated and moving forward, handles organizing speakers and material.

**Speaker-** Presents on a subject, which is already planned, organized and includes slides and handouts.

**PLEASE CONTACT ANYONE ON THE BOARD IF INTERESTED!!!!!! If we do not get enough volunteers, the LS Review Course may not happen this year.**

**Ad Hoc Committee** No Report

**Education Foundation-Tony Nothdurft** No Report

**Golf Tournament Committee**

The Golf Tournament Committee was recently established by Sean Englert. The Committee will be co-chaired by the Treasurer and two other chapter members. The 2009 Golf Tournament Committee will be chaired by Casey Lynch, Treasurer, David Johnson and David Ambler.

**We will also need 10 other chapter members to participate in organizing and executing the Tournament. If you are interested please contact one of the Co-Chairs!**

**Membership Committee-Dave Ambler**

Rosters are available at every meeting until they run out.

Dave Ambler is preparing a membership report for the November CLSA State Board Meeting.

**Legislative Committee-Anne Hoppe**

See SB 1185 regarding recent extensions to Tentative Maps.

**JPPC Report**

Guidelines for JPPC have been requested by the State CLSA. Lonie will be contacting Robert Reese, CLSA Professional Practice Committee Chairman

**Chapter Representatives**

Meeting Nov. 8, 2008 Oakland

**Website Committee**

Credit Card Payments are now being accepting on our website!!!!

**Workshop Committee**

Easement Seminar on October 24, 2008. Gary Kent will be the speaker. We currently only have 25 San Diego Members registered. Please attend if you can!!

**General Meeting**

October 15, 2008

Best Western Seven Seas Mission Valley

Sean opened the meeting and gave the Executive Board Meeting report to the General Membership.

Sean then introduced himself as our Guest Speaker!

**RECORD BOUNDARY VS. PRECISE BOUNDARY**

Sean opened with some background information; including the fact the JPPC is looking to expand their role and review. Sean also asked some great questions of the chapter members in attendance such as "Do your clients understand the difference between record and precise boundary?". "What liabilities are associated with the use of record boundaries?" "What is our Standard of Care in San Diego County?" and "If we were to use a record boundary and problems arise would insurance and BORPELS support that decision?"

Sean then went into explaining his point of view and understanding of the LS Act and SMA regarding the use of record boundaries and record information. There was some great discussion regarding the matter and the subject ended up being a great prelude to Novembers meeting with DK Nasland presenting on the JPPC. The meeting also had a high turnout rate, 51 members attended the meeting and we hope all will return for next months meeting as well!!

Pat, Greg and I then conducted a raffle and the meeting was adjourned.

Submitted by,

Casey Lynch, PLS  
Secretary

## **Education/Seminars/Workshops**

Seminar Locations are in San Diego unless otherwise noted

**CLSA Conference 2009** Mark Your Calendar!! March 28 - April 1, 2009 Hilton San Diego Resort (Mission Bay)

**48<sup>th</sup> Annual 2009 Geomatics Engineering Conference** Calif State University Fresno. Jan. 22-24 2009. For latest updates and info contact [www.csufresno.edu/geomatics/conference](http://www.csufresno.edu/geomatics/conference)

**ACSM, MARLS, UCLS and WFPS conference 2009** Feb 20-23-2009 Salt Lake City, Utah. [conference@wfps.org](mailto:conference@wfps.org) or 707-578-1130.

**Prevailing Wage Law** Nov 14. **ALTA Owners' and Lenders' Policies** teleconf Nov. 12, Nov. 20. **A Primer on Land Surveys** teleconf Nov 20. **Law of Easements-Legal Issues and Practical Considerations in California** Dec. 9. **Current Issues in Cell Tower Regulation** teleconf Dec 3. **The Importance of Proper Documentation Procedures, It Pays to be Indemnified, Who Is a "Subcontractor Under the Miller Act?"** – articles in the Lorman Construction Newsletter. Contact [www.lorman.com](http://www.lorman.com) or (866) 352-9539.

**Managing Construction Contract Changes** teleconf Nov. 3. **Mortgage, Title and Lender Litigation** teleconf Nov 5. **The Importance of Title to the Real Estate Transaction** teleconf Nov 12. Contact National Business Institute <http://www.nbi-sems.com/contactus.html> or 800-930-6182.

**Best Practices for Criteria-Based Road Design** web-cast Nov. 5. **Rolling Deployment Series: Points** Dec. 05. **Saving Time During the Early Phases of Road Design. Best Practices for Utilizing Aerial Photogrammetry. AutoCAD Civil 3D Survey Solutions** On-demand <http://offers.autodesk.com/7/82801/webcasts.php?mktvar001=92639&src=92639&ch=EM>

**Surveying and Real Property Law Conference** Nov. 6-7, Las Vegas. Contact <http://www.pesi.com/> 800-844-8260

**City of San Diego Development Services Web Page** for resources: <http://www.sandiego.gov/development-services/>

**Cuyamaca College** - Surveying courses taught and organized by Ken Schumaker. Also Surveying Drafting Technology, Boundary Control and Legal Principles. [www.cuyamaca.edu](http://www.cuyamaca.edu) Or 619-668-4040.

**Geospatial Analysis and Technology** – Seminars, courses and software training. Contact [register@ucx.ucr.edu](mailto:register@ucx.ucr.edu) or call 951-827-4105. Web-site: [www.UCRExtension.net/geo](http://www.UCRExtension.net/geo)

**CSU Fresno Geomatics Engineering Dept.** Contact [www.csufresno.edu/geomatics/](http://www.csufresno.edu/geomatics/) for program and on-line courses.

**CSU Pomona Surveying Program** [http://www.csupomona.edu/%7Ece\\_surv/surveng/index.html](http://www.csupomona.edu/%7Ece_surv/surveng/index.html)

**Santiago College GIS/GPS Surveying Program** - see [www.sac.edu/degrees/geography\\_information\\_degree.htm](http://www.sac.edu/degrees/geography_information_degree.htm)

**GIS Certification** – thru URISA <http://www.gisci.org/>

### **CLSA San Diego Survey Student Stipends**

The Stipend program's goals are to: provide funding for local students taking college level survey related classes. They will receive \$100 for an A, \$75 for a B, \$50 for a C. It will be limited to one survey class per student per semester. The Class must have been completed within the last 6 months. Applicants must be current members of the San Diego Chapter of CLSA. Licensed Land Surveyors are ineligible. All applications are subject to approval by the executive board. Applicants need to mail in a copy of their grade (of a surveying class) to: CLSA San Diego, 5519 Clairemont Mesa Blvd. Mail Box 261, San Diego, California 92117.

### **California Land Surveyors Association CLSA Education Foundation**

P.O. Box 9098, Santa Rosa, CA 95405  
Telephone: (707)578-6016 FAX: (707)578-4406

The 2006 Scholarship application is available at  
<http://www.californiasurveyors.org/files/scholarsh.html>



# CLSA CONFERENCE 2009

March 28 - April 1



**Hilton San Diego Resort  
(Mirrion Bay), San Diego, CA**



Hotel Information:  
**Hilton San Diego Resort**  
Reservations: (800) 445-6667  
Cut-Off Date: February 25th  
Room Rate: \$159  
Group Code: CLSA

## MARK YOUR CALENDAR

### Featured Speakers Include:

- Mike Durkee, Esq.
- Gary Kent, PLS
- Dennis Moulard, PLS
- Steve Parrish, PLS
- "GIS Janet" & "Surveyor Randy"  
from Professional Surveyor  
Magazine (Janet Jackson, GISP  
& Randy Rambeau, PLS)

### Program to Include:

- Workshops
- Technical Sessions
- LSIT Review Course
- LS Review Course
- CST Exam
- Mock Trial



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## Employment

### Mapping Supervisor

Lundstrom + associates is seeking a Mapping Supervisor to join our San Diego office and manage all aspects of the firm's mapping services, with a focus on land development and public works projects. This person will be responsible for the overall operation of the mapping department.

Started eighteen years ago, Lundstrom + associates has an award winning and well-established reputation in Southern California for excellence and creativity in land development and civil engineering design. The office is currently engaged in a number of exciting regional civil engineering projects including various housing and redevelopment projects as well as looking to create various public works and transportation projects with a number of local jurisdictions.

Candidate must be able to demonstrate experience in technical competence and project management. The ideal candidate would be a licensed Land Surveyor or have registration as a Civil Engineer with authority to practice land surveying in California, while this is preferred, it is not required. A minimum of 10 years of professional surveying experience with expertise in land development projects is also preferable.

Please send your resume or any inquires to Suzanne Walsh at [Suzanne@lundstrom.cc](mailto:Suzanne@lundstrom.cc) or fax to 619.641.5910

## Announcements

### Sean's Big Adventure in New York City

I just arrived back in town from my vacation to NY City. Attached are a few pics of a monument near the southeast corner of the block where the World Trade Center stood.

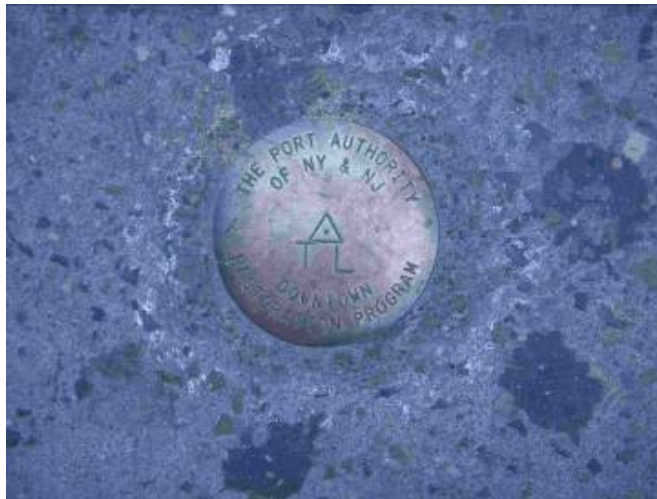


*View of construction of the world trade center site*

*from the southeast block corner looking out to the northwest*



*Street signs at southeast corner of WTC site*



*NY and NJ Port Authority Monument for Downtown Manhattan Restoration project near southeast corner of WTC site*

### **Maps and Mountains: A Lady Surveyor's Rewarding Climb**

- see interesting article by our own Anne Hoppe in the Fall 2008 *California Surveyor*. Anne describes her journey in Surveying and notes that a career in Surveying has plenty of "firsts" out there to challenge and fulfill a curious and intelligent young lady.

### **Controlling a Photogrammetric Model from the Sky**

- article also in the Fall 2008 *California Surveyor* by our own world renowned Photogrammetry expert Jas Arnold. Jas discusses a test performed to evaluate the feasibility of using control points in the sky to control a pair of photogrammetric models.

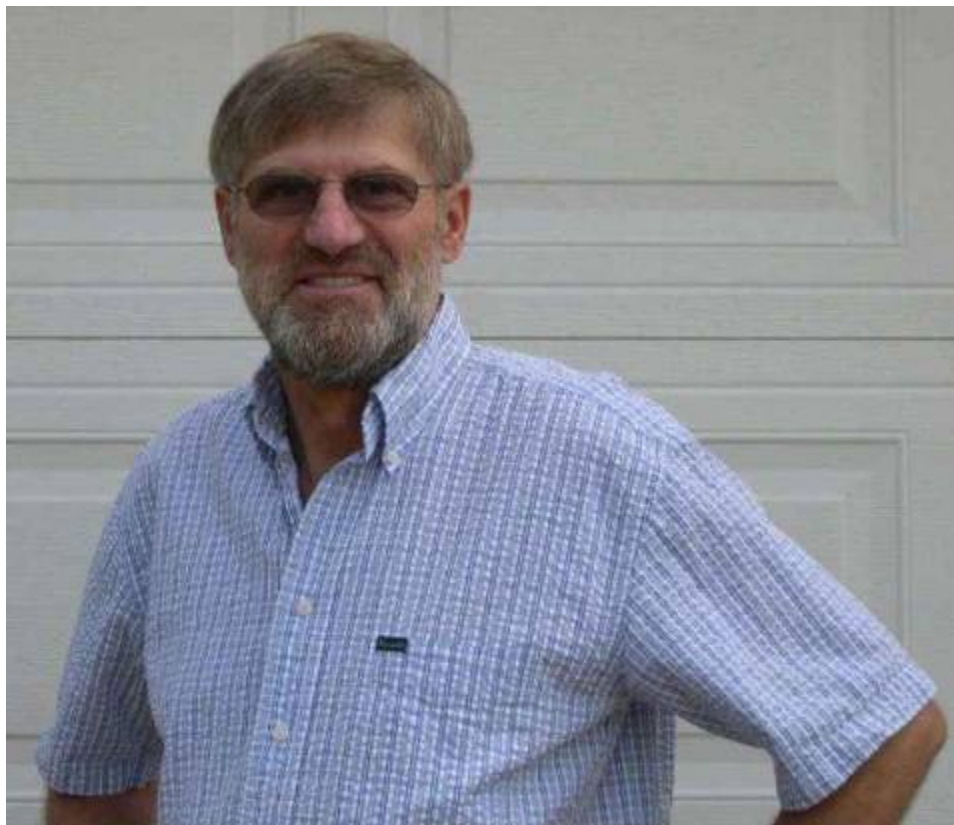
### **Update from Turf McTaggart**

Thanks for forwarding me a copy of the newsletter and thanks for including a bit about me so my old surveying friends around San Diego can know what's been going on with me. So far I've had 2 chemo sessions (3 days each) and I'm actually feeling pretty good. The first session had me on the floor for 3 days but the second round went much better with no "real bad" days at all. After two more sessions I'll get some new scans to see how the chemo is working. I feel like it is working some of its magic already because I really do feel less of the bloating/growing activity that had been plaguing my abdomen. I've lost about 10 pounds and the bloating has receded so I'm back to my "surveying" weight and ready to scrap up a few brushy hillsides. I had been considering placing both my California and Oregon surveying licenses into inactive or retired status but I think I'll wait a bit longer. My dusty old boots are waiting by the door and they may get a few more miles yet.

We are hoping for the best and I think we're going to get along fine for some time to come.

Thanks again and love to everyone in SD;

Turf





## The Rediscovery of History: The Mason-Dixon Line



If you asked the average American to describe the Mason-Dixon Line, he or she may tell you that it's an imaginary line between Maryland and Pennsylvania, but without any further explanation. NSPE member and history buff David S. Thaler, P.E., F.NSPE, believes that what Charles Mason and Jeremiah Dixon completed in 1768 is yet to be fully understood and appreciated by the American public. "It is, in my opinion, the greatest engineering achievement of the Enlightenment Age," says Thaler, who is the owner of D.S. Thaler & Associates Inc., an engineering, surveying, and land planning firm in Baltimore. "It's one of the most important things in American history, but it's nearly forgotten."

The story of the Mason-Dixon Line will be featured in a new exhibit called "Mason and Dixon and the Defining of America: Iconic Treasures from the Maryland Historical Society, Independence Hall, and the Maryland State Archives." The exhibit is open to the public December 4, 2008–February 28, 2009 at the Maryland Historical Society in Baltimore.

Astronomer Charles Mason and surveyor Jeremiah Dixon, two British experts, were commissioned to draw a boundary in disputed territory between the colonies of Maryland and Pennsylvania. The duo spent five years on the 312 mile-long line. The line began at the famous Post Mark'd West near Newark, Delaware at a point 15 miles south of Philadelphia, followed a constant latitude west and ended at the "Great Warrior Trail" in the Native American territory of the Six Nations. It became the world's first geodetic survey.

Thaler, who serves as vice president of the Maryland Historical Society's Board of Trustees and chair of the library committee, will give a lecture about Mason and Dixon on December 3 to preview the exhibit before its public debut. He says that the Mason-Dixon survey is important for a couple of reasons. "It resolved a very important colonial dispute that was litigated for 80 years," says Thaler, who is the immediate past president of the Maryland Society of Professional Engineers.

Many years after its completion, the line would be formally referred to as the Mason-Dixon Line when Congress passed the Missouri Compromise in 1820. "It would become the dividing line between freedom and slavery, because if you crossed the Mason-Dixon Line, you were free," says Thaler. "It then took on this mythical importance."

The exhibit will showcase the 1763 parchment of the Articles of Agreement, Mason's handwritten daily journal, an agreement with the Six Nations, the original bill that Mason and Dixon presented for the survey, and the original 1768 map.

The original survey documents were uncovered in the Maryland State Archives this past spring. Included was Mason's original journal, which contain field notes that most surveyors keep while working on their projects. Thaler describes the find as unbelievable. "It's almost as if you were picking up and reading something like Benjamin Franklin's notebook," he says.

The original Transit and Equal Altitude surveying instrument used by Mason and Dixon to perform the survey was found in Independence Hall in Philadelphia, where the Declaration of Independence was first read on July 8, 1776. The instrument went missing during this period, but was found in 1912 hidden underneath the floorboards of the observatory's bell tower. "You would have to be an engineer or a surveyor to appreciate the significance of this," he says. "In that time period, it was considered state-of-the-art and was the equivalent of [our] computer."

Thaler appreciates the skill that went into Mason and Dixon's work. "The story is such an important one to tell to everyone because it's an engineering achievement and it's the story of freedom. It's the story of America."

*To read more about "Mason and Dixon and the Defining of America: Iconic Treasures from the Maryland Historical Society, Independence Hall, and also the Maryland State Archives," go to [www.mdhs.org](http://www.mdhs.org).*

## Newsletter

Due to vacation plans by the Editor, the newsletter is distributed early this month. Thanks to Casey and Pat for getting their newsletter stuff in early.

Articles are encouraged for publication in the newsletter. Newsletter is distributed by the first Wed of the month. Send reports and articles to Allan Wake by the last Saturday of the month. Email to [48wake@cox.net](mailto:48wake@cox.net)

### **Advertising policy approved by the Board:**

1) full page one time in newsletter \$150.00 charge. 10% discount one year paid in advance. 2.) ½ page one time in newsletter \$100.00. 3) Business card size ad one year in newsletter \$150.00. 4) Employment offers by a member free for 1 month. If an extension is needed, please contact Allan Wake email: [48wake@cox.net](mailto:48wake@cox.net) each month as needed. 5) Web-site banner \$100.00. Other Web-site advertising charges to be determined.

***Thanks to the advertisers Lewis & Lewis, Prism, Allen Instruments, Photo Geodetic, Towill, Shancad, Servco and Timmons Wood for supporting our Chapter !***



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