

SURVEY NOTES

Volume 12 Issue 6

June 2006

CALIFORNIA LAND SURVEYORS ASSOCIATION, SAN DIEGO CHAPTER

5519 Clairemont Mesa Blvd, Mail Box 261, San Diego, California 92117
sd-surveyors.org

Chapter Meeting
Wednesday, June 21st

Guest Speaker:
Marti Ikehara

National Geodetic Survey

State Geodetic Advisor - CA

Marti will report activities and projects ongoing in NGS and CSRC (California Spatial Reference Center). NGS is currently updating the Calibration Base Line measurements at Miramar and other locations throughout Southern California. Also included, but not limited to this evening's discussion is the status of NGS/CSRC Height Modernization project and the 2007 National Re-adjustment of coordinates at NAD83 monumented points and CORS stations within the National Spatial Reference System (NSRS). Also open for discussion will be PRC legislation, effective 1/1/06 (regarding geodetic coordinates and orthometric heights), how to use Height Mod geodetic control (for heights for your work) and any other geodetic control topics that come to mind.

Location

Holiday Inn Mission Valley Stadium

3805 Murphy Canyon Road
San Diego, CA 92123
858-278-9300

5:00 p.m. Executive Board Meeting
6:00 p.m. Social/Networking
6:30 p.m. Dinner
7:30 p.m. Program
8:00 p.m. General Meeting

Taste of the Orient Buffet - \$25

Mixed Green Salad with Mandarin Oranges served with Ranch and Italian Dressing, Fried Rice & White Rice, Vegetable Stir Fry, Beef & Broccoli, Kung Pao Chicken, Warm Rolls & Sweet Butter, Chef's Choice of Dessert, Freshly Brewed Regular and Decaffeinated Coffee, Iced tea and soft drinks

Price includes tax & tip

Leave your name with Lisa Mejia. Email is preferred: lmejia@hunsakersd.com
Or: 858 558-4500 - No later than noon Monday, June 19th

Executive Board Meeting

May 17, 2006

ATTENDING: Don Woolley, Andy Karydes, Gary Chapman, Sean Englert, Dave Ambler, Gary Hus, Lonie Cyr, Marv Sylakowski, Mike Hart, Tony Nothdurft, Steve Martin, Anne Hoppe, Jeff Safford, and Lee Hennes

Meeting was held at Filippi's Pizza Grotto in San Diego prior to the general meeting.

Lee Hennes sat in at this month's board meeting to discuss the City of San Diego Survey Manual. Lee mentioned that the manual has been a work in progress with the City and private surveying and engineering firms over the past 15 years. Anne Hoppe prepared a draft of the manual in 2003. Lee is committed to working hard with a core group of individuals to complete the manual prior to his retirement. The core group will consist of approximately three City of San Diego staff and four CLSA representatives. The four CLSA representatives will be determined by our local chapter. Lee hopes that the final manual will be a great tool for the map preparer and checker within the City of San Diego. Hardcopies, CD's, and online resources for the manual will be available to the public upon completion of the project.

Presidents Report

Don Woolley opened the meeting at 5:15. Don spoke about Operation Spotlight and is looking for volunteers to help distribute copies of the DVD to schools within the County. Operation spotlight is a DVD that is being produced by State CLSA to describe what a career in professional land surveying would entail. The video will be used as a tool to recruit kids in middle school and high school into the profession.

Don mentioned that Jas Arnold was recovering from an injury.

Vice Presidents Report

The next general meeting location is yet to be determined. Our guest speaker next month will be Marti from NGS to speak about the Miramar baseline calibration.

Treasurer's Report

Gary noted that there was an error in the numbers last month. Our current general fund has a total of \$10,227 and the education fund has a total of \$8,555.

Education Committee

Further discussion was brought up in regards to organizing an ALTA seminar for our chapter. Andy contacted Gary Kent in regards to having him speak at a future meeting. We will be making a request with State CLSA to reserve Gary Kent for a future presentation in San Diego. We hope to secure something for this upcoming fall.

Membership Committee

Dave Ambler will be reviewing invoices to verify who is currently overdue. The State CLSA membership chairman is asking for a chapter liaison to represent our chapter at the State level.

JPPC Committee - No new cases.

Chapter Representatives

The merit badge video was discussed. The 2007 CLSA conference is to be held in San Diego at the Rancho Bernardo Inn. A block of rooms will be reserved at a rate of \$139 per night.

State CLSA is looking for a slate of candidates for our local chapter board by September 30th. A nominating committee was formed for selection of next year's slate of candidates. Don Woolley, Dave Ambler, and Anne Hoppe volunteered for the committee.

BLM's surveying work force is thinning out and they will be offering invitations to bid on future projects. There has been discussion in regards to a BLM certification program for parties wishing to bid on BLM projects. State CLSA will not endorse this idea as it would create a tiered land surveyors license.

The US Forest Service has its own set of laws for surveys performed under its jurisdiction. The Forest Service is looking at changing current laws to require that a professional forester be the only parties by law that can locate trees and canopy within their jurisdiction. Essentially, the professional land surveyor would then be working under the direction of the professional forester. The BLM and US Forest Service will be monitored and probably contacted by State CLSA with how these proposed changes would affect the model law of the professional land surveyor in California.

There also has been discussion at the State level in regards to Mexico and Canada's model law for land surveyors. The main item of discussion is how California should deal with reciprocity and temporary licenses for individuals that are licensed within Mexico and Canada.

NCEES has a new exam preparation booklet for candidates preparing for the LSIT exam. The cost of the booklet is \$12 and is available on the NCESS website.

Old Business

Further discussion was brought up in regards to ALTA issues and possible JPPC involvement in approaching parties that are producing poor surveys. This idea was met with mixed results and will be brought up in future discussions.

New Business

The next State CLSA board meeting will be held in San Diego on August 5th.

General Meeting **May 17, 2006**

The May meeting was held at Filippi's Pizza Grotto in San Diego. Mike Hart was the program coordinator. Mike fielded questions from the recent test takers of the LS exam this past April. This decompression session was held in effort to continue to make the annual LS review class the best that it can be. Feedback from the

candidates was appreciated. Thank you for all of your input!

President's Report

Don passed out gift certificates for the instructors that were an integral part in making the LS review class a success. Thank you for your hard work!!! Don then adjourned the meeting.

Submitted by,

Sean Englert, PLS, Secretary

Education/Seminars/Workshops

Basic GPS Surveying Course June 13-15, 2006 in Costa Mesa. By Surveyors Service. To register contact Cori Vernam @ 800-938-0606.

Law Of Easements: Legal Issues And Practical Considerations Palm Springs, June 16. **What To Do When Construction Projects Go Bad** June 21, San Diego. **Understanding Land And Title Surveys** Santa Ana, June 23. **Eminent Domain** June 29, Pasadena. **Zoning, Subdivision and Land Development Law** Pasadena, July 21. **Navigating The Maze Of Land Use Regulations** Palm Springs, July 26. Register online at: www.lorman.com or call (866) 352-9539.

How Conservation Easements Work. Contractor Terminations: The End....or Not. Use Mechanic's Lien Rights to Defend Against Those Nasty Preference Claims. Contracts With Public Entities – Formality Required. All articles in the Lorman May 2006 on-line Construction Update newsletter. See <http://www.lorman.com/newsletters/>

ESRI Survey and GIS Summit 2006 Bridging the Gap Saturday, August 5-Tuesday, August 8. San Diego Convention Center. Contact www.esri.com/surveysummit or 909-793-2853, extension 1-1363

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

CSU Fresno Geomatics Engineering Dept. – Contact www.csufresno.edu/geomatics/ for program and on-line courses.

CSU Pomona Surveying Program - http://www.csupomona.edu/%7Ece_surv/surveng/index.html.

Cuyamaca College - Surveying courses taught and organized by Ken Schumaker. www.cuyamaca.edu. Or 619-668-4040.

Santiago College GIS/GPS Surveying Program - see www.sac.edu/degrees/geography_information_degree.htm

GIS Certification – thru URISA <http://www.urisa.org/certification/2certific.htm>

CLSA San Diego Survey Student Stipends:

- The Stipend program's goals are to: provide funding for local students working towards a degree in a surveying related field at a Junior College in San Diego County. 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 need to mail in a copy of their grade (of a surveying class) and address to: CLSA San Diego, P.O. BOX 80697, MAIL BOX 261, SAN DIEGO, CALIFORNIA 92138

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>

Employment

County of San Diego has an opening and expects future openings for Land Surveyor. The salary is \$64,979 - \$78,978 annually. Requirements are that you are a State of Calif. Licensed Land Surveyor or Licensed Civil Engineer with the authority to practice land surveying work (B & PC, Sec. 8731). You are also required to have a valid Calif. Class C driver's license. Recruitment announcement can be found at:

<http://dhr-jam.sdcounty.ca.gov/announcements/06378501.html>

Applications on line can be assessed at:

https://dhr-tf.sdcounty.ca.gov/HR_JobApp/Web/AppRequest.asp?RecNum=06378501

- see attached ad for other County Surveyor positions.

ERB ENGINEERING INC has an opening for a licensed surveyor. The position is as principal surveyor of our company. The person selected will be in charge of all surveying related tasks, mapping etc. ERB ENGINEERING INC offers competitive benefits, pay, a future partnership and flex time to the right person.

- To set up an appointment or for further discussion please contact William Richard VP, PLS4451 @ William2024@sbcglobal.net

SURVEY MANAGER: Principal potential for LS or LSIT. Project and field crew management, staking calculations, subdivision/survey mapping. Minimum 5 yrs. field experience w/strong Cogo, AutoCAD skills. Full benefits, flex-schedule, 401K, & profit sharing. San Dieguito Engineering, Inc. Confidential Resume: FAX (760) 943-8236, email: akarydes@sdeinc.com

Announcements

Miramar Calibration Baseline

On June 22nd & 23rd, Sean Fitzpatrick of Manitou Engineering, Steve Martin with the County and Bill Craig with the City of San Diego will be working with the National Geodetic Survey to remeasure the Calibration Baseline at Miramar Landfill. Volunteers are needed to assist in moving the

equipment around and recording data. Constructed in the mid 1970's, the Miramar Calibration Baseline features 10 monuments at various distances ranging from 100 to 6000 feet. The NGS standard for Calibration Baselines is 4 monuments, so I expect a very full 2 days of work to try to measure as many of these monuments as possible. If you are interested in being able to meet specifications in Government contracts to calibrate your instrument at regular intervals or to be able to stand up in court and say that you calibrate your instrument regularly at a NGS Calibration Baseline, come out and lend a hand.

Please email Steven.Martin@sdcountry.ca.gov to say that you can help.

Caltrans is moving into it's new headquarters office complex in Old Town (across the street from the existing facilities). In addition to the staff in the current Old Town offices, employees from several outlying satellite offices will be moving into the new office complex over the next few months. One of the added features in the new facility will be a combined single point of service map counter for survey records, right of way maps, and as built drawings. The current Viewridge offices (right of way map records) will be closed as of June 19th and reopen at the new location during the following week. Please note the new mailing address is now 4050 Taylor Street, San Diego, Ca. 92110.

John Grisafi
Senior Transportation Surveyor
Right of Way Engineering Dept.
Caltrans District 11
(858) 616-6536

Exam Subversion info

I attended the BOR meeting yesterday, along with Pat Tami, and thought you may find the following information interesting:

- There was an interesting discussion about the new enforcement cases of "Exam Subversion" from the April exam. Apparently the NCEES has some really good algorithms to identify possible cheaters... Results are then compared with the seating charts, and work books are examined... If the board thinks there is enough to go after somebody, they start the process.

- Another thing was the issue of procedure followed when an applicant had anything other than the specifically approved calculators. Apparently, last October the applicant was told to put the calculator away and use only an approved list device. The NCEES balked at this, because the rules and the national standard are to EJECT any applicant found with other than an approved device.

- In April, the BORPELS staff followed the rules to the letter. Some applicants apparently slipped by in the morning or switched calculators for the afternoon session, and were caught and ejected. There were so many people ejected at the Pomona exam facility that a "mob scene" ensued and the BORPELS staff had to be taken away from the facility at the end of the day in CHP cars.

Please urge anyone involved in training to advise their students to use only the specific model allowed by the rules.

Robert M McMillan
Chief, Survey Standards
Office of Land Surveys

1727 30 Street, MS-35
Sacramento, Ca, 95814
916-227-7665
916-227-7670 Fax
Robert_M_McMillan@dot.ca.gov

Howdy from Jack Gechter-PLS 8051 (aka Jackdwack)

My brother Joe sent me this very kool picture of a section corner near his Lake Crowley camp site. Feel free to share it in the SD-CLSA Newsletter.... Joe goes fishing there every year at the end of April. I went there with him a few years ago, slept in a tent and froze my butt off. ha ha



Link to Lake Crowley -

<http://totalescape.com/destin/all_towns/crowleylk.html>
http://totalescape.com/destin/all_towns/crowleylk.html

Here is a link to the L.A. Water & Power web site that has a short bio on William Mulholland (the famous guy that brought water to L.A.)

http://www.ladwp.com/ladwp/areaHomeIndex.jsp?contentId=LA_DWP_WATER_SCID

Jack also noted that "Being a volunteer to help out @ the LS Review class has been a very rewarding experience for me."

**The San Diego Chapter of the
California Land Surveyors Association
2006 GOLF Scholarship DRIVE
Friday, August 25, 2006
12:00 High Noon "Shotgun" Start**

Much thanks to David Paul Johnson of Surveyors Service for last years very successful and fun event and for organizing this years scramble. Sign up now or be left in the parking lot. See brochure for details. Register with the attached PDF file or contact David at 760-310-5054.

Trimble S6, Base Station and 2005 Chevy Silverado Stolen

- Our survey crew was standing 100 foot from their truck trying to pop a well monument near 228th and Normandie in LA a few hours ago and looked up just in time to see someone drive off in it. The sad part is that it had the 5700 base and S6 Robot setting in the box in the back.

- The big items stolen were: 2005 extended cab 2500 Chevy Silverado with a standard bed and Silver Shield. * Lic No. CA 7W80396. The Trimble S6 Robot 5700 base unit.

- Thanks, David Rosell, P.L.S.
Rosell Surveying & Mapping, Inc.
10221 Slater Ave., Ste. 110
Fountain Valley, CA 92708
714-378-9645 Ph 714-378-5826 Fax
www.rosellsurveying.com

Newsletter

Members are encouraged to receive email newsletters. To receive an email only newsletter contact Dave Viera at DViera@HunsakerSD.com.

Articles are encouraged for publication in the newsletter. Send reports and articles to Allan Wake by Saturday before the first Wednesday of the month. Email to awake@sandiego.gov and at 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 each month as needed.

5) Web-site banner \$100.00. Other Web-site advertising charges to be determined.



CALIFORNIA LAND SURVEYORS ASSOCIATION

SAN DIEGO CHAPTER

5519 Clairemont Mesa Blvd, Mail Box 261, San Diego, California 92117

2006 Officers

Don Woolley, P.L.S.

President (619-291-0707)

Andrew Karydes, P.L.S.

Vice-President (760-753-5525)

E. Gary Chapman, P.L.S.

Treasurer (858-565-0473)

Sean C. Englert, PLS

Secretary (760-230-6025)

Anne Hoppe, P.L.S.

Immediate Past President (619-446-5290)

Alt. Representative

Steve Martin, P.L.S.

Representative (858-694-3161)

Gary Hus, P.L.S.

Representative (619-229-0301)

Jeff Safford, P.L.S.

Representative (619-463-0967)

Tony Nothdurft, P.L.S.

Representative (858-672-9803)

Marvin Sylakowski, P.L.S.

Representative (619-232-9200 X31)

Mike Hart, PLS

Representative (858-385-2117)

David P. Viera, P.L.S.

Alt. Representative (858-558-4500)

Lonie Cyr, P.L.S.

Alt. Representative (858-614-5000)

Jack F. Roth II, P.L.S.

Alt. Representative (858-576-9200)

**COUNTY OF SAN DIEGO
JUNIOR SURVEYOR
RECRUITMENT NO. 06377902**

SALARY: \$1,836.00 - \$2,232.80 biweekly; \$47,736 - \$58,053 annually

FILING DEADLINE: Open until further notice. Employment applications can be accessed on-line at <http://www.sdcountry.ca.gov>. **All required documentation must be submitted immediately with your application in order to determine your eligibility to compete.** Coversheets with additional required documents may be faxed to the Department of Human Resources at (619)685-2458. You may also pick up and submit your application, along with your attachments, to the Department of Human Resources at 1600 Pacific Highway, Rm. 207, San Diego, CA 92101. For additional information or accommodations, contact our job information line at (619)236-2191.

JOB SUMMARY: Responsible for performing a variety of technical office or field land surveying work involving engineering and control surveys, construction, aerial, topographic and boundary surveys. Prepares maps and legal descriptions; reviews record of surveys, parcel and final maps prepared by private land surveyors and civil engineers authorized to practice land surveying for compliance with state and local laws, procedures and practices; may serve as a party chief. The Junior Surveyor is the entry level into the Professional Land Surveyor series.

REQUIREMENTS: 1. A bachelor's degree in land surveying from a college or university approved by the Accreditation Board for Engineering and Technology (ABET); OR, 2. A valid Land Surveyor-in-Training Certificate (L.S.I.T.) and one year of professional land surveying work; OR, 3. Three (3) years of professional land surveying work.

ALSO REQUIRED: A valid California class C driver's license or the ability to arrange transportation for field travel is required at time of appointment and must be maintained throughout employment in this class.

**COUNTY OF SAN DIEGO
ASSISTANT SURVEYOR
RECRUITMENT NO. 06378002**

SALARY: \$2,121.60- \$2,579.20 biweekly; \$55,162 - \$67,059 annually

FILING DEADLINE: Open until further notice. All required documentation must be submitted immediately with your application in order to determine your eligibility to compete. Coversheets with additional required documents may be faxed to the Department of Human Resources at (619)685-2458. You may also pick up and submit your application, along with your attachments, to the Department of Human Resources at 1600 Pacific Highway, Rm. 207, San Diego, CA 92101. For additional information or accommodations, contact our job information line at (619)236-2191.

JOB SUMMARY: Performs professional land surveying work in the office or field; prepares maps and legal descriptions; checks record of surveys, parcel maps and final maps prepared by private land surveyors and civil engineers; and serves as a party chief in field assignments and as a supervisor in office assignments.

REQUIREMENTS: 1. A bachelor's degree in land surveying from a college or university approved by the Accreditation Board for Engineering and Technology (ABET) **AND** one year of experience performing professional land surveying work after graduation; **OR**, 2. A valid Land-Surveyor-in-Training (L.S.I.T.) certificate, and three years of professional land surveying work after obtaining the L.S.I.T.; **OR**, 3. One year of experience as a Junior Surveyor for the County of San Diego.

ALSO REQUIRED: A valid California class C driver's license, or the ability to arrange transportation for field travel, is required at time of appointment and must be maintained throughout employment in this class.



The San Diego Chapter of the California Land Surveyors

2006



GOLF Scholarship DRIVE

At the

**Rancho Bernardo Inn
17550 Bernardo Oaks Drive**

858-675-8500



**15 Fwy to Rancho Bernardo Road Exit, East to Bernardo Oaks Drive,
Then North to Rancho Bernardo Inn**

Friday, August 25, 2006

12:00 High Noon "Shotgun" Start

Donation: \$150 (Awards Banquet Soirée Included)

Donation: \$50 (Awards Banquet Soirée only)

PLEASE MAKE CHECKS PAYABLE TO:

California Land Surveyors Association

MAIL TO:

**SERVCO, (Surveyors Service Company), Suite L
8898 Clairemont Mesa Blvd., San Diego, Ca, 92123
Attention: David Paul Johnson, PLS (760-310-5054)**

Golf Scholarship Drive Sponsors

SDE
SB&O
BHA, Inc.
Psomas
Guida Surveying
Eagle U.S.A. Golf
Rick Engineering
Caltrans District 11
Trimble Navigation
Nevada Bob's Golf
Photo Geodetic Corp.
ING Financial Services
Geodimeter Southwest
Manitou Engineering
Pacific Crest Corporation
Stevens Cresto Engineering

DMI
Nolte
Nasland
Polar Golf
Towill, Inc.
E.G. Chapman
Lewis & Lewis
Hall & Foreman
Allen Instrument
Carlson Software
Keith Companies
Leica Geosystems
Hunsaker & Associates
Woods Land Surveying
San Diego Land Surveying
Project Design Consultants
Surveyors Service Company

TEL: (619) 631-1366 FAX (619) 631-1375

www.photogeodetic.com
e-mail: maps@photogeodetic.com

PHOTO GEODETIC CORPORATION



AERIAL MAPPING PROFESSIONALS

- * AERIAL PHOTOGRAPHY * DIGITAL DATABASE MAPPING
- * DIGITAL ORTHOPHOTOS * DIGITIZING SERVICES
- * TOPOGRAPHIC MAPPING * DIGITAL IMAGING

1161 E. MAIN STREET, SUITE 102, EL CAJON, CA. 92021-7150



Forrest (Jim) Youngs, P.L.S.
Regional Project Director
Geospatial & Mapping Services

TOWILL | Aerial Mapping

Towill, Inc. (Since 1955)
5933 Sea Lion Place, Suite 100
Carlsbad, CA. 92008-6624
706.438.5999
fax 760.438.7943
jim.youngs@towill.com
www.towill.com



Beth A. Swersie

Land Surveying Services

Research, Analysis
Mapping, Legal Descriptions

LS 5982 619-299-1571 bswersie@cox.net

ALLEN

Instruments & Supplies

SALES • SERVICE • RENTALS • SUPPLIES
Centrally Located To All Of Southern California

A New Era in GPS Surveying is Coming Are You Ready?

Trimble R-Track technology is already capable of receiving the coming L2C signals that are part of GPS modernization. Find out how these new GPS signals will benefit you. Call the Allen Instruments office near you to schedule a free on-site demonstration.

(800)215-2737 • (714)238-3434 • Fax (714)238-3441
2940 E. La Palma Avenue, Suite F, Anaheim, CA 92806

(800)336-8860 • (858)451-8140 • Fax (858)592-0559
11305 Rancho Bernardo Rd. #120, San Diego, CA 92127

Trimble R8: The Future of GPS Surveying is Here

The Trimble R8 GPS System combines industry leading GPS receiver technology with innovative features to improve your productivity in the field. Use Trimble R8 as a wireless base station or rover. It will adapt to the needs of your job, whatever your surveying application.



Lewis & Lewis

Sales
Rentals
Financing

Quality
Products
Service
Support



TOPCON

TopSURV 5.11



Topcon

GPS
Laser Levels
Automatic Levels
Total Stations
Robotic Total Stations
Electronic Digital Levels
Data Collectors
Electronic Transits
Accessories
& more...

www.lewis-lewis.net

(800)-235-3377

New from Topcon

FC100 Field Controller

- Crisp, bright, color screen
- Very affordable



FC 2000 Field Controller

- Color touch screen
- Easy to use keyboard
- Rugged design



Lewy Lewis & the News
New Products
Services, Policies, Procedures

HiPerXT

EXTEND YOUR HORIZONS

HiPer Lite



GLONASS 14
2-WATT UHF
&
CELL MODEM

HiPer Pro



MILLIMETER
GPS

HiPer Lite

LAZER ZONE

TOPCON



NEW

Total Stations

- CTS-3000 Series
Contractor Reflectorless
- GPT-3000LW
1200m Reflectorless Range
- GPT 7000L
1200m Reflectorless Range



TOPCON

- GPT 8200 Series
Reflectorless
Robotic Systems