

SURVEY NOTES

Volume 10 Issue 7

July 2004

CALIFORNIA LAND SURVEYORS ASSOCIATION, SAN DIEGO CHAPTER

P.O. BOX 80697, MAIL BOX 261, SAN DIEGO, CALIFORNIA 92138

sd-surveyors.org

Chapter Meeting

Wednesday, 21 JUL

Guest Speaker:

Rita Lumos, PLS

National Council of Examiners for Engineering and Surveying

Rita is an emeritus member and former chairman of the Nevada Board of Professional Engineers and Surveyors, serving on that board from 1991-2003. Ms. Lumos has been assigned to many committees of NCEES, including those that deal with the Model Law, examinations, and the Advisory Committee on Council Activities. She will speak to us on these topics and the popular calculator issue.

Location

Bali Hai – Shelter Island

2230 Shelter Island Drive
San Diego, CA 619-222-1181
6 p.m. Social/Networking
6:30 p.m. Dinner
7:30 p.m. Program

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

Those who do not make a reservation cannot be guaranteed a meal. Those who call in late, in accordance with the tradition established by Steve, will willingly donate a bottle of wine or similar prize to the raffle.

Deluxe Cantonese Dinner - \$25

Appetizers: Coconut shrimp, BBQ spare ribs, Egg roll, Crispy Won ton, soup du jour, Chicken of the Gods, Oyster Beef, Sweet & Sour Pork, Cashew Chicken, Shrimp in Bali Hai sauce & Veggie fried rice

Price includes tax & tip

GENERAL MEETING – June 16, 2004

The June Meeting was held at the Southeast end of Crown Point in Mission Bay. The meeting was a family style "Beach Party" that included Texas style BBQ prepared by James Yaccino of Surveyors Service. James contends that he enjoys cooking BBQ as much as everyone enjoys eating it. Thanks James. The weather cooled off as the sun began to set, but not before a few in attendance enjoyed a boat ride and a jet ski provided by Steve Martin and Paul Nasland. A few families brought their kids who did not seem to notice the cooler weather while running around and building castles in the sand.

No Chapter business was conducted at this meeting.

EXECUTIVE BOARD MEETING

July 7, 2004

ATTENDING: Dave Ambler, Anne Hoppe, Don Woolley, Andy Karydes, Steve Martin, Gary Hus, Jas Arnold, DK Nasland and Tony Nothdurft

Presidents Report

-Dave Ambler called the meeting to order at Nasland Engineering's conference room.
-Prospective members for the Nominating Committee have been selected.
-The Amended State Senate Bill No. 1547 was opened for discussion. More discussion will follow.

Vice Presidents Report

-The next General Meeting will be held July 21st at the Bali Hai on Shelter Island with Rita Lumos (NCEES) as the guest speaker.

Treasurer's Report

-Don reported there is \$6719 in the General Fund and \$1736 in the Education Fund.
-Three "new" education stipends were awarded for a total of \$1650 this year.

Secretary's Report

-The 2nd Quarter Report was submitted to the State.

Education Committee

Three "new" education stipends were awarded to one student attending Surveying classes at Palomar College and two at Cuyamaca College.

Membership Committee

-The 2004 San Diego Chapter CLSA Roster is available, contact Jas Arnold. An addendum to the 2004 Roster is available for anyone who has already received the Roster.

JPPC Report -No report.

Chapter Representatives

-The CLSA Seminar for "Improving the Accuracy of Your Field Procedures" with Dr. James P. Riley scheduled for July 17th has 36 people registered to attend. If you plan attending, please contact the State CLSA office. Seating is limited.

-The CLSA July Board of Directors Meeting is scheduled for July 24th at the Marriott San Diego Mission Valley. See attached PDF file for Board of Directors Meeting agenda.

Legislative Committee

-Senate Bill No. 1547 introduced by Senator Figueroa in February is being amended.

Meeting adjourned

Submitted by,
Andrew G. Karydes, PLS
Secretary 2004

Join CLSA CLSA

Education/Seminars/Workshops

Improving the Accuracy of Your Field Procedures

This seminar discusses surveying with a total station, specifically angle measurements and distance measurements, plus the basics of GPS surveying.

Under angle measurements we will discuss correct observing procedures, errors caused by an instrument being out of adjustment, accuracy and precision, and how to determine the precision of your instrument. Under distance measurements we will discuss the characteristics of Electronic Distance Measurements (EDM's), retroprisms, and how to calibrate the EDM on your total station. GPS is here to stay, especially RTK for the practicing land surveyor, and this will be covered in detail.

The Instructor **James P. Reilly** received his B.S. in Mining Engineering from the Pennsylvania State University, and his M.S. and Ph.D. in Geodetic Science from Ohio State University. He was on the faculty at Iowa State University and New Mexico State University; his most recent position was the Academic Department Head of the Department of Surveying Engineering at New Mexico State University. During the year 2000-2001 he was the President of the American Congress on Surveying and Mapping (ACSM). He is retired and living in Las Cruces, New Mexico.

Don't miss this essential seminar in San Diego July 17. Be a leader on the cutting edge of Technology. See enclosed brochure and PDF file.

If you have any questions or would like to get signed up please contact Steve Martin steve.martin@sccounty.ca.gov

Survey and GIS Summit 2004—Bridging the Gap

August 7–August 10 San Diego Convention Center.

The theme of Bridging the Gap 2004 is integrating Survey and GIS. This conference will feature presentations by industry leaders from around the world on integrating survey and geographic information system (GIS) technology. Presentations will include survey, mapping, and GIS applications at the national and local government levels, in utilities, and in private industry.

- for more info contact <http://www.esri.com/surveysummit> or call 909-793-2853, extension 1-1585.

GIS Summer School – Earn a GIS certificate. July 6 – Sept. 3. For more info see www.UCRExtension.net/gis.

Plan ahead for the **CSU Fresno 44th Annual Geomatics Conference** Jan. 28 & 29, 2005. contact: www.csufresno.edu/geomatics/event or call (559) 278-6244.

U.C. Riverside & Santiago College GIS/GPS Surveying programs - see www.UCRExtension.net/geo and www.sac.edu/degrees/geography_information_degree.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

CLSA Education Foundation

- see attached PDF file. For those not on the Email distro contact the Central Office: P.O. Box 9098 · Santa Rosa, California 95405. Telephone 707/578-6016 for Foundation scholarship information and applications.

EMPLOYMENT

San Dieguito Engineering, Inc. is looking for a qualified individual for a Senior Surveyor position. This position will manage and schedule projects and field crews day-to-day operations. Experience with boundary, topographic & construction surveys and AutoCAD 2002 with LDD required. Competitive salary and benefits.

Please email, fax or send resumes attention Andrew Karydes at San Dieguito Eng., Inc.:

Email: akarydes@sdeinc.com

Fax: (760) 943-8236

Address: 4407 Manchester Ave., Suite 105
Encinitas, CA 92024

Pasco Engineering, a mid sized civil engineering and land surveying firm in Solana Beach is looking for a surveyor to perform a mix of office and field work. LSIT preferred, map processing abilities a plus. Contact Joe Yuhas at 858-259-8212X109.

Aerotek Engineering is looking for Assistant Land Surveyors. This is an outstanding opportunity for a person with a minimum of 3 years experience, 5 years experience preferred, an LSIT (LS preferred) with knowledge of boundary procedures, easement interpretation, reduction of field notes, and map, plat, and legal description preparation experience.

Associate Survey Analyst - a candidate with an A.S. in Civil Engineering or Surveying plus two years experience or equivalent work experience of four years. Candidate must demonstrate familiarity with the basics of boundary principles as well as geometry and trigonometry.

Survey/Mapping Technicians: This person must be proficient with AutoCAD. This person will be expected to conduct many different Land Survey functions such as creating Parcel Maps, Subdivision Maps, producing basic survey calculations, and reviewing legal descriptions and title reports. We must have a person with experience in the fields of Land Surveying or Civil Engineering. We are offering very competitive benefits, salary, and opportunity for advancement.

- For immediate consideration please e-mail jmckin@aerotek.com or call John McKinley at (619) 278-3021.

Construction Testing & Engineering Inc needs Sr. Survey Crew Chief and Sr. Survey Technician.

-The positions require a minimum of 5 years of land surveying experience, and knowledge of AutoCAD.

-Responsibilities include field survey data management and processing, including GPS survey support, survey calculations and adjustments, preparation of CADD maps for boundary and topography, and construction surveying and support calculations plus occasional field survey work. Knowledge of TDS software and Robotics a plus.

Please fax resumes to John at 760-746-9806 or email john@cte-inc.net

Berryman & Henigar, Inc

SURVEY ANALYST / MAP CHECKER

Responsibilities: Application Of Subdivision Map Act And The Land Surveyors Act. Ability To Evaluate And Assess Boundary Line Determination. Verify Technical Correctness Of Maps And Legal Descriptions. Determine Substantial Compliance Of Final And Parcel Maps.

Qualifications:

LSIT Certificate, One Year Experience Min. In Final And Parcel Map Preparation Experience. Registration As A Professional California Land Surveyor A Plus. Working Knowledge Of Boundary Control And Legal Principles. Ability To Interpret Traverse Calculations For Technical Correctness Knowledge Of Tentative Map Process Along With Conditions Of Approval

Contact: Mike Foreman @ Berryman & Henigar, Inc., San Diego Office – Phone: (858) 451-6100

SB&O, Inc. is seeking qualified individuals for our San Diego, Temecula and Rancho Cucamonga offices.

- Land Surveyor and/or LSIT with experience in boundary research and analysis, preparation of legal descriptions, subdivision mapping, ALTA and topographic surveys and construction staking calculations. Ideal candidates will be proficient in Autocad 14 and 2000i. Competitive salary and benefits.

- Send resumes attention Mike Butcher to SB&O via:

fax: 858-560-8157

e-mail: m butcher@sboinc.com

mail: 3615 Kearny Villa Rd, Suite 201

San Diego, CA 92123

SB&O, Inc. is an equal opportunity employer.

Hunsaker & Associates is looking for an experienced Survey Mapper. This position requires the ability to manage mapping projects from start to finish. This position also requires experience and hands-on involvement with mapping related task including: research, writing legal descriptions, record boundary and encumbrance maps, ALTA Surveys, boundary analysis, subdivision maps, parcel maps, record of surveys and condominium plans. Experience with ACAD 2000 and Eaglepoint is desirable.

Please e-mail or fax resume to jobs@hunsakersd.com

(858) 558-1414 FAX, or mail to: Hunsaker & Associates Inc., San Diego, 10179 Huennekens Street, SD CA 92121

Lintvedt, McCoil & Associates is seeking a qualified Land Surveyor to provide office expertise in GPS, boundary, right-of-way and topo surveys. A candidate should have a working knowledge in research, calculations, ROS's and legal descriptions preparation as well as the desire to work and grow in a progressive friendly environment.

Competitive Compensation, Excellent Benefits and Opportunities.

EOE M/F

Resumes to: Lintvedt, McColl, 3737 Camino Del Rio S. #200 SD CA 92108

LMA@LMAENGINEERING.COM Fax 619/280-1515

MAYGroup, Inc. San Diego based progressive civil engineering firm, MAYGroup, Inc. has opportunities for qualified individuals for the following position:

LAND SURVEYOR: Calif. LS registration. Fax or e-mail resume: (858) 505-0441/
mail@maygroupinc.net

MacKay & Somps Civil Engineers, an ENR Top 250 design firm, has openings for skilled and seasoned surveying professionals with land development mapping (plats, legal descriptions, and final maps) and surveying (control, boundary, topographic, and construction staking) experience for its regional offices in the SF Bay Area and the Sacramento region. Senior Land Surveyors (LS w/ 10-20 years exp.), Associate Land Surveyors (LS w/ 5-10 years exp.), Assistant Land Surveyors (LSIT w/ 2-5 years exp.), Junior Land Surveyors (LSIT w/ 0-2 years exp.), Surveying AutoCAD Techs (2-10 years exp.), Survey Crew Coordinators (5-10 years field crew exp.). Recent, relevant California experience and California license highly desirable. AutoCAD/LDD experience mandatory. Experienced applicants only need apply. Send cover letter, resume and geographic preference to Corporate Recruiter, MacKay & Somps, 2430 Camino Ramon, Suite 125, San Ramon, CA 94583, fax 925-901-1195 or email Opportunities@msce.com.

NOTICES

Join CLSA CLSA

Help keep San Diego the largest Chapter and strongest voice in CLSA!

Please check your records and sign up or renew your State CLSA Corporate membership. This is important because our Chapter is allowed one State Representative per 20 Corporate members. We must be up to date by July! Call or mail in your pledge now!! Please contact CALIFORNIA LAND SURVEYORS ASSOCIATION P.O. Box 9098 Santa Rosa, CA 95405-9990 (707) 578-6016 clsa@californiasurveyors.org. We have a few phone lines open for your call. You can also register on-line at <http://californiasurveyors.org/files/joinclsa.asp>

NCEES Response to CLSA Calculator Use Concerns.

NATIONAL COUNCIL OF EXAMINERS FOR ENGINEERING
AND SURVEYING
OFFICE OF THE PRESIDENT

Donald L. Hiatte, P.E.
1221 Jefferson Street
Jefferson City, MO 65101

June 9, 2004

Robert C. Hart, PLS, President
California Land Surveyors Association

Re: NCEES Exam Policy 15 (EP 15)

Dear Mr. Hart:

At its recent meeting, the NCEES Board of Directors considered your letter of February 25, 2004 and your requests on the behalf of the California Land Surveyors Association (CLSA) that NCEES consider repealing EP 15.

EP 15 has been in place for many years and was created in part to disallow the use of any device that might pose a security threat to the examination process. As the result of several incidents brought to our attention during recent exam administrations, the NCEES Board directed that this policy be strictly enforced beginning with the April 2004 examinations, which action precluded the use of specific models of sophisticated calculators. The action was taken in view of a determination that many advanced models of calculators possess either a communication capability or the ability to enter and store strings of text in the memory of the calculator.

Prior to taking this action, the exam committees for NCEES were asked to review the item banks for the various examinations to determine if any adjustments would be required if certain models of calculators were banned. The report of this group indicated that all items for NCEES exam could be successfully answered using a basic scientific calculator.

The NCEES Board of Directors concurs with the opinion of the CLSA concerning the need to test for minimum competence in order to protect the public. However, please be assured that the NCEES examinations will not be "dumbed down" in order to compensate for the restriction on certain models of calculators. On the contrary, our examinations will continue to undergo close scrutiny to ensure they are psychometrically sound and that they test the knowledge required in the surveying profession in order to continue to provide for the health, safety and welfare of the general public.

Accordingly, the NCEES Board does not plan on making any recommendations to the Council for the repeal of EP 15.

We appreciate your comments on this matter and your continued support of the licensing process.

Sincerely, Donald L. Hiatte, P.E., President

Stolen Topcon Robotic Total Station On Tuesday March 23rd at 11:40 A.M. our Robotic Total Station was stolen from an intersection in Vista, CA. The following is a list of the equipment and Serial Numbers where applicable. Please refer any information that might aid in the recovery of our instrument and prosecution of this crime to the San Diego CO. Sheriff's Dept. or to me directly.

San Diego County Sheriff's Department
Vista Sheriff's Station
325 South Melrose Dr.
Vista, CA 92081
760-940-4551
Case # 04028158-V

- Instrument: Topcon GTS-802A Auto-tracking Total Station
Ser.# QN0219. Tripod: Wild Herrbrugg GST-20 (Well used tripod with the words "Holiness, Formation, and Evangelization")

written on the legs, and "L.S. 4456" engraved on the underside). Robotic Radio Modem: Satel 2ASxm2 Ser.#'s (Radio: 002817335 Interface: 00194082 Battery: 00244706). 12 Volt Remote Battery with small blue converter inside a Yellow "Pelican Case" weather-resistant plastic box.

- The Land Surveying community is a relatively small and special group. If we Surveyors and Service Professionals can come together, we can deter this kind of behavior and strengthen the profession at the same time! I sincerely thank you for your time and attention to this matter.

Jeremy "Jake" Kruger, L.S.I.T.

Construction Testing and Engineering Escondido, CA

Office # 800-576-4955 Cell # 760-481-5158

E-mail: jwkruger71@yahoo.com

Found Equipment From Mike Schlumpberger - Our Crew found a fixed height, GPS RTK rod in northern Escondido there was no identifiable company name on the rod. Contact: Mike Schlumpberger, PLS Right-of-Way Engineering (760)732-1366 roweng@cox.net

Stolen Equipment On Friday, February 13th, we had a Trimble 5603 Robotic Total Station stolen from a construction site in Clairmont, Ca. Serial Number is 633-20236.

Please contact Steve Shambeck at the number below if you have any information.

- Thank you for your help,

Steve Shambeck, P.L.S. President - Inland Empire Division
Hall & Foreman, Inc.

9130 Anaheim Place, Suite 120

Rancho Cucamonga, Ca. 91730

(909) 484-9090 (909) 484-9084 fax

steveshambeck@hfinc.com

LAND SURVEYING FIRM FOR SALE -20 Plus years of successful service in San Diego. Surveying equipment, records and maps included. Some records and maps for Avalon, CA. - Principal retiring and will assist with transition. - contact **Gene Gaddy**: (858) 279-2828, fax (858) 279-4014.

Chapter CLSA Controversy

This just in: Fender USA announced this morning, upon hearing of the SD Chapter CLSA Gipsy Kings concert controversy, that they will immediately begin production of a reissue line of the famous (and almost forgotten) ACCORDIONCASTER (the predecessor to the "modern" accordion). Fender stopped production of the original accordioncaster, in approximately 3000 BC. Fender plans to produce only 3 reissue accordioncasters, but is confident that it sales should at least triple the sales of all accordions combined over the next 1000 years. – submitted by Dave Viera.

If you are by now thoroughly confused, lets start at the beginning. When Dave Ambler sent out an email asking who would attend the Wed July 7 Exec meeting, Allan responded that he could not make it because he was attending the Gipsy Kings concert. After Allan's email, Jas responded with "Allan – whats this about your fetish with gypsies and belly dancers?", Dave Ambler asked if the Gipsy Kings would be accompanied by accordion music and Steve asked "Any Belly Dancers? Perhaps we could meet at the concert!"

To help clarify and simmer down this controversy, Allan responded with "maybe we could resurrect belly dancing at a meeting featuring Paul, Steve and Neil accompanied by Allan's flaming accordion." Then Anne thought that was a good idea and it might encourage more women to attend the Chapter meetings.

It became more and more obvious that many were misinformed about accordions and accordion users. Every family has one, and they are just ordinary people just like you and me. Allan, a known accordion user, noted that all popular music has its roots in accordion music. Lawrence Welk invented rock n roll before it became main stream. Some of Jimi Hendrix's greatest recordings were actually based on old accordion polka tunes. And the current punk music - all accordion based. The old Beatles song - Twist and Shout - was originally called Twist and Polka.

And upon hearing the news from Dave about the Fender ACCORDIONCASTER reissue, Andy Karydes immediately asked where he could get one.

Then Jack Roth jumped into the chat room with – "Can't make the meeting tonight - been trying to get to a ballgame all year, and this is finally it. How do you guys get these things going? - My wife has an accordian. Her uncle used to play his upside-down (left handed, whatever). They were from Wisconsin, big on polkas, etc."

Now we know where Jimi Hendrix copied his style of playing his Fender Stratocaster upside down and left handed – from Jack Roth's uncle!

After reading all the dueling emails, Tony noted "I vote for the meeting to be held at Gordon Biersch." – which made good sense.

There's no end to this fascinating and educational discussion. Let me know if you have anything further to add to this or on any other item of Chapter interest.

Join CLSA CLSA

Unique Advertising Opportunity - The San Diego Chapter offers banner advertising space on it's web site, sd-surveyors.org for only \$100 per year. This is a great opportunity to promote your firm with the local Surveying Industry and support your local Chapter. Contact Armand Marois at (760) 931-8700 to find out how.

Newsletter

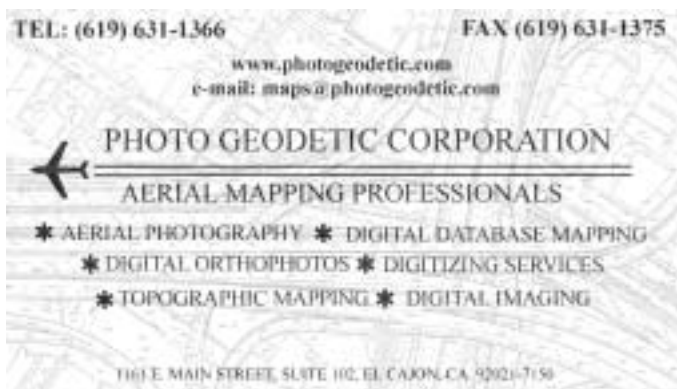
-Articles are encouraged for publication in the newsletter. Send reports and articles to Allan Wake by the first Friday of the month. Please email to awake@sandiego.gov and at 48wake@cox.net .

- Members are encouraged to receive email newsletters in lieu of mailings. To request an email newsletter only contact Jas Arnold at jarnold@rickeng.com .

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 3 months, extended if needed. 5) Web-site banner \$100.00. Other Web-site advertising charges to be determined.

Thanks to advertisers ADI-DMI, Lewis & Lewis and Photo Geodetic for your support!



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CALIFORNIA LAND SURVEYORS ASSOCIATION

SAN DIEGO CHAPTER

P.O. BOX 85152, MAIL BOX 261, SAN DIEGO, CALIFORNIA 92186-5152

2004 Officers

David Ambler, P.L.S.

President (858-558-4500)

Anne Hoppe, P.L.S.

Vice-President (619-446-5290)

Don Woolley, P.L.S.

Treasurer (619-291-0707)

Andrew Karydes, P.L.S.

Secretary (760-753-5525)

Steve Martin, P.L.S.

Immed. Past President/Representative (858-694-3161)))

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

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Representative (858-672-9803)

David P. Viera, P.L.S.

Alt. Representative (858-558-4500)

James W. Arnold, P.L.S.

Alt. Representative (619-688-1449)

Lonie Cyr, P.L.S.

Alt. Representative (858-614-5000)



PRESENTS:

*Improving the Accuracy of
Your Field Procedures*

by: James P. Reilly, PhD.

A One-Day Seminar in Two Locations:

Friday, July 16, 2004
Hilton Concord
Hilton, California

Saturday, July 17, 2004
Marriott Mission Valley
San Diego, California

Directions:

Hilton Concord
1970 Diamond Blvd.
Concord, CA 94520
(925) 827-2000
Room Rate: \$89.00
Cut-off date: July 10th

The Hilton Concord is located at the center of San Francisco's East Bay, 1 mile from Buchanan Airport, 30 miles from Oakland Airport, 40 miles from San Francisco Airport.

From I-680 take the Willow Pass Road exit. Turn right onto E. La Palma Avenue, then left onto Diamond Blvd.

For detailed driving directions visit:
<http://www.concordhilton.com/directions.htm>

Marriott Mission Valley
8757 Rio San Diego Drive
San Diego, CA 92108
(619) 892-3800

San Diego - SAN (8 MI SW) Take Harbor Drive to Hwy 5 North. Take Hwy 8 East exit on the (Qualcomm exit) left on Qualcomm Way. Turn right on Rio San Diego Drive. Hotel is on your right.

Accommodations

Overnight Accommodations: All room reservations must be made directly through the hotels. Seminar hotel locations and rate information are provided for your convenience.

SEMINAR TOPIC

Improving the Accuracy of Your Field Procedures

This seminar discusses surveying with a total station, specifically angle measurements and distance measurements, plus the basics of GPS surveying. Under angle measurements we will discuss correct observing procedures, errors caused by an instrument being out of adjustment, accuracy and precision, and how to determine the precision of your instrument. Under distance measurements we will discuss the characteristics of Electronic Distance Measurements (EDM's), retroprisms, and how to calibrate the EDM on your total station. GPS is here to stay, especially RTK for the practicing land surveyor, and this will be covered in detail.

SEMINAR SCHEDULE

Check-in and Registration	8:00 AM - 8:30 AM
Seminar	8:30 AM - 5:00 PM

GENERAL INFORMATION

Registration Fees:

CLSA State Association Member	\$80.00 (special discounted rate)
Non-Member	\$185.00
Walk-in Member	\$105.00 (special discounted rate)
Walk-in Non-Member	\$205.00

These fees include lunch, seminar handouts, certificate of completion and refreshment breaks. For non-CLSA State Association members, the difference between member and non-member registration fees may be applied toward membership within 30 days of the seminar date.

Continuing Education Credit: 7 hours

Registration

Please use the registration form provided (or copies). Public agencies may submit, with enrollment form, a purchase order or letter authorizing billing in lieu of advance payment. A separate registration form or copy must be completed for each registrant. For those persons registering by public agency purchase order, Master Card, Visa or American Express, registrations may be sent by fax transmission to (707) 578-4406.

Cancellation Policy

No refunds will be given without written notification 7 days prior to the seminar.

REGISTRATION FORM

Full Name _____
First M.I. Last

First Name/ Nick name _____
(as you wish it to appear in bold on your name badge)

Firm/Employer _____

Address is: Business Residence

Address _____

City _____ State _____ Zip _____

Telephone Day (_____) _____

Evening (_____) _____

Fax (_____) _____

Email Address: _____

Seminar Dates: Friday, July 16th - Concord
 Saturday, July 17th - San Diego

Registration Fee:* CLSA State Association Member \$80.00
 Non-Member \$185.00
 Walk-in Member \$105.00
 Walk-in Non-Member \$205.00

10% discount available to companies or agencies registering 5 or more prepaid registrants from the same office.

Check Enclosed (Made payable to CLSA Seminar)
 Or please bill my: MasterCard Visa American Express

Amount \$ _____

Card Number _____

Expiration Date _____ V-Code (3 digit # on back of card) _____

Signature _____

If you wish, please include specific questions below for the instructor . If you need additional space, continue on a separate sheet and enclose with your registration.

IMPROVING THE ACCURACY OF YOUR FIELD PROCEDURES

MAIL TO: P.O. Box 9098, Santa Rosa, CA 95405

FAX TO: (707) 578-4408

Fax registration is for public agency purchase orders, Master Card, Visa or American Express only.

QUESTIONS?

PHONE: (707) 578-8016

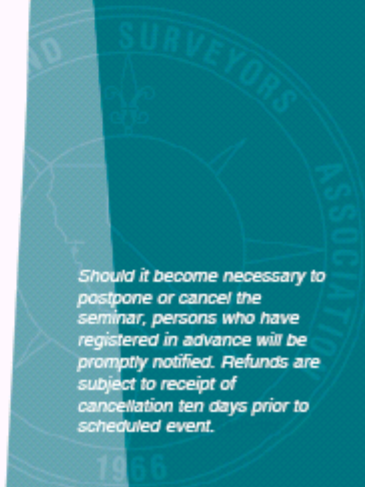
EMAIL: clsa@californiasurveyors.org

Due to the format of this seminar, limited space is available. "Walk-in" registration cannot be guaranteed. Registrations will be processed in the order they are received.

REGISTRATION INCLUDES

- Seminar
- Handouts
- Certificate of Completion
- Lunch & Breaks

Should it become necessary to postpone or cancel the seminar, persons who have registered in advance will be promptly notified. Refunds are subject to receipt of cancellation ten days prior to scheduled event.



Join CLSA

Member Benefits



50% off hotel rates, 25% off Hotel dining, Airfare savings, Car rental savings, Cruise line savings, and much more. For more information contact the [CLSA Central Office](#).



Save up to 60% on your office supplies. Click on the Office Depot Logo or for more information contact the [CLSA Central Office](#).

CLSA Annual Conference

Three days filled with educational workshops, technical sessions and exhibits. The Annual Conference is a great time to network and learn from other industry professionals.

CLSA Seminars

CLSA one-day seminars, held throughout the state, are designed to offer affordable, quality education.

California Surveyor

The voice of the California Surveyor, published quarterly.

CLSA Publications

All CLSA publications are available to members at a discounted price. Publications updated annually include, the Subdivision Map Act with Index, PLS Act, PE Act, Board Rules and PLS Roster.

Representation/Liaisons

CLSA has an active legislative program, legislative advocate, and a liaison with the State Board for Professional Engineers and Land Surveyors.

Chapter Meetings

With 21 chapters statewide, chapter meetings are held monthly and feature guest speakers and informative programs.

CLSA NEWS

Bi-monthly publication to keep you informed on legislative updates and current events.

CLSA Website

The CLSA website provides members with a wide range of resources, including discussion forums, referral services, legislative updates and extensive networking resources.

CLSA Education Foundation

CLSA Education Foundation provides educational assistance to students to ensure the future of our profession.

National & Regional Representation

To maintain your interests in the forefront of National concerns, CLSA is a member of ACSM and WFPS.

Business & Professional Services

CLSA provides a fully staffed central office which is available to answer questions or to provide up-to-date referrals concerning legislation, educational opportunities, job opportunities or other issues concerning membership.

Snapshot of a Typical Members Savings	Savings
Attend one CLSA Seminar (Member price \$80, Non-Member price \$185)	\$105.00
Attend CLSA Annual Conference (Member price \$175, Non-Member price \$210)	\$35.00
Purchase CLSA Complete Package Publication (Member price \$28, Non-Member price \$49)	\$21.00
Total Savings	\$161.00

<http://californiasurveyors.org/files/joinclsa.asp>



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