

SURVEY NOTES

Volume 11 Issue 2

February 2005

CALIFORNIA LAND SURVEYORS ASSOCIATION, SAN DIEGO CHAPTER

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

sd-surveyors.org

Chapter Meeting
Wednesday, Feb. 16th

Guest Speaker:
Roger Ball, RCE

CELSOC Legislative Update

Roger Ball, State President of CELSOC, will provide an update on current Legislative and Judicial issue's affecting our businesses. Some of these will include Transportation Infrastructure Funding, the Board of Registration for Professional Engineers and Land Surveyors, and Governor Schwarzenegger's proposed initiatives.

Location

Tio Leo's

Moreno/NAPA

5302 Napa Street

San Diego, CA 619-280-9944

6 p.m. Social/Networking

6:30 p.m. Dinner

7:30 p.m. Program

Mexican Dinner Choices - \$20

Choice of Chicken Fajitas, Fish Tacos, or Cheese Enchilada Combination served with beans and rice, ice tea, soft drinks or coffee

Price includes tax & tip

Leave your name and **choice of meal** with Lisa Mejia. Email is preferred: lmejia@hunsakersd.com

Or: 858 558-4500 - No later than noon Monday, Feb. 14th

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.

GENERAL MEETING

JANUARY 19, 2005

The January Meeting was held at the Holiday Inn on Murphy Canyon Rd. The guest speaker, introduced by Don Woolley, was Greg Helmer who gave us an excellent presentation about the California Spatial Reference System.

Greg talked about the progress of Continuous Operating GPS Stations around the State. The San Joaquin Valley has about 105 stations. There are 800 to 900 stations in the Northern part of the State, 12 Real Time stations in Orange Co. and San Diego Co. expects to have a 22 station Real Time Network on line in June. Greg also talked about two new satellites that will be used for the upcoming high accuracy vertical network adjustment. This brought about a discussion as to which vertical datum do us surveyors use, 1929 or 1988.

Presidents Report

Ann Hoppe thanked Dave Ambler for fine service as President last year. Ann then began the evening raffle of donated prizes. Thank you to all of those who donated prizes.

Vice Presidents Report

Don mentioned the upcoming Fresno Conference and the Board meeting in Oakland. Also the next San Diego Co. Board meeting will be held on February 2nd at DK Naslands office.

Treasurer's Report

There is \$(to be updated) in the General Fund and \$6335 in the Education Fund.

Secretary's Report

No report.

Education Committee

Steve Martin reported there are 47 students enrolled in the LS Review Classes.

Membership Committee

A discussion regarding Local and State CLSA Dues was held. Local Chapter Dues are \$30.

JPPC Report

DK Nasland reported the next meeting will be held on January 20th at the SD Co. office.

Legislative Committee

One of the Governors cost saving measures is to consolidate or eliminate some Business and Profession Boards. The Board for Professional Engineers and Land Surveyors is one being considered. There is group named "The Little Hoover Commission" that is reviewing the necessity and value to the public for each Board.

It was suggested that members write to the Hoover Commission and express your concerns regarding our State Board. Their address is:

925 L Street, Suite 805

Sacramento, CA 95814

Fax (916) 322-7709

e-mail little.hoover@lhc.ca.gov

Chapter Representatives

Armond Marois, State CLSA President gave a report regarding State CLSA and mentioned the Las Vegas Conference.

New Business

The ACSM-CLSA-NALS-WFPS Conference will be held at the Riviera Hotel in Las Vegas, March 18 thru 23, 2005.

Jack Roth suggested the purchase of some Buck Knives for the Education Fund Auction which will be held one evening during the Conference. Other donations of interest to surveyors will be welcomed. If you have items to donate please call one of the chapter officers. Arrangements will be made to pick them up.

Meeting adjourned

Submitted by,

E. Gary Chapman, PLS

Secretary 2005

EXECUTIVE BOARD MEETING

February 2, 2005

Meeting held at Nasland Engineering.

ATTENDING: Don Woolley, Steve Martin, Dave Ambler, Tony Nothdurft, Jas Arnold, Dave Viera, DK Nasland, Andy Karydes, Jeff Safford, Loni Cyr & Gary Chapman.

Presidents Report

Ann Hoppe was away on business.

Vice Presidents Report

Don Woolley called the meeting to order and announced Roger Ball will be the guest speaker at the next regular chapter meeting on February 16th at Tio Leos.

Treasurer's Report

The General Fund has \$4744 and the Education Fund has \$2770 as of Jan. 31, 2005.

Secretary's Report

The Secretary asked if there were any additions or corrections to the previous minutes. There were corrections to the Education Committee report. The \$1500 was for Education Foundation Fund – Curt Brown Memorial. The secretary was asked to send letter and stipend check of \$100 to Gabriel Mitchell who completed a survey course at Palomar Jr. College.

Education Committee

Steve Martin said there are 47 students in the LS Review classes. At the Fresno Conference there were two scholarship checks presented: \$750 to Jason Keblesh – Dana Seguin Memorial and \$1000 to Daniel Geisinger – Curt Brown Memorial. Steve recommended the Dana Seguin Fund be increased to \$1000 next year.

Jas Arnold talked about the Trig-Star program and said they working on getting high school students to participate.

Membership Committee

Invoices for Chapter dues will be sent out soon. There was a discussion about purchasing envelopes for invoices along with smaller envelopes for members to use for sending in their

checks. DK made a motion to purchase them, Jas second it and it passed unanimously. It was decided to delete deceased members from our mailing list roster.

Legislative Committee

It was decided to publish, in the news letter, the address of The Hoover Commission which is reviewing the necessity of keeping the State Board.

JPPC Report

DK said he has a good group and they have six new cases.

Chapter Representatives

There will be Chapter Representatives meeting in Oakland this week.

New Business

The ACSM-CLSA-NALS-WFPS Conference will be held at the Riviera Hotel in Las Vegas, March 18 thru 23rd. Tony Nothdurft made a motion to authorize up to \$300 to purchase Buck Knives to be used as auction items for the Education Fund at the conference. Motion passed unanimously.

The Chapter Web Site is being worked on by Julie Eckman

Next General Meeting

February 16th at Tio Leos. Roger Ball will be the program speaker.

Meeting adjourned at 6:45 PM.

*Submitted by,
E. Gary Chapman, PLS
Secretary 2005*

Education/Seminars/Workshops

WHERE HAVE ALL THE FLOWERS GONE?

- James K. Crossfield

Our first graduates, Robert Parsons completed their studies 34 years ago. Since then a continuous stream of 600 graduates have demonstrated Edward F. Kuhans vision and foresight. This influx of trained measuring and mapping professionals has indeed changed the face of a profession. Yet, was 600 enough? Are 18 graduates each year enough to keep pace with the employee needs of the greater geomatics profession? Considering just California, a conservative estimate would suggest that there are at least 5000 geomatics related professionals in the state today. If each of these professionals has a 40 year career and they were evenly distributed by age, then on average, at least 125 new professionals are need each year to replace them. We have a shortfall here.

Where do these extra professionals come from? Many are trained on the job. Starting out as low paid technicians some of these people move up to professional positions. Others get educated in a related subject area like Forestry, Computer Science, Civil Engineering, Math, Physics, Geography or Geology. They may find jobs in their area of interest unsuitable or unavailable. Then they may get geomatics jobs and eventually move into the professional ranks as well. Some

are educated in 4-year geomatics type programs in other states or nations, but they may be equally balanced by the number of geomatics type graduates from California who go to other states or nations. Less than 200 geomatics type 4-year students graduate in the US every year. Nearly 20 states have a virtual 4-year geomatics type degree requirement, so most 4-year graduates in other states stay home to fill the professional ranks there.

Some would argue that technology continues to reduce the need for geomatics professionals. There may be some truth to that at the technician level with the advent of the one person (robotic total station or RTK GPS) crew. Yet, is the need any less for the true geomatics professional who gets licensed, owns a business or becomes a mid level manager who must mentor new hires at their agency or consulting firm?

Clearly, there is a need for at least 50-100 Geomatics graduates each year from Fresno State. That will require a significant influx of new students. Simply stated, 100-200 new geomatics engineering students must enroll each year. Over that past three years we have averaged about 30 new students each year. We are doing everything we can to encourage enrollment. But you have to help. Every current California professional must recruit at least two geomatics engineering students (during their lifetime) to enroll at Fresno State. Two are required because the average dropout rate for any engineering curriculum is 50%. Two new students should equal one graduate. One graduate will replace you.

Some professionals have already done their part. Mike Duffy and Mark Bardakjian sent their sons, Nathan and Ben respectively. William Mesloh sent his daughter, Tracie. Jerald Miller has sent several students to us from Santa Rosa Junior College, including recent graduates Mark Carter and Mark Castellanos. Jeanmarie Bostley sent her sister, Peg, who is expected to graduate this Fall. Others have done their part to be sure, and if you feel left out of this story, then e-mail or write and tell us who you sent. But what about the rest of you? Who have you sent? Remember, there are no excuses now. We now provide our courses via the internet. Current Fresno State distance learners reside in the states of New Jersey, North Carolina, Illinois, Washington, Ohio, Utah and Michigan. California distance learners reside in San Diego, Pasadena, San Francisco and Bishop.

Send students to us. We will educate them and they will help keep a profession alive. If we (and all geomatics type programs in the nation) don't get more students, the alternative is sad indeed. To get an idea of how sad, sing the following poem to the tune of "Where Have All the Flowers Gone".

Where have all surveyors gone, long time passing
Where have all photogrammetrists gone, long time ago
Where have all geodesists gone, gone to graveyards every one
When will they ever learn, when will they ever learn.

So what can you do to help? Simply send us students. Send your son or daughter, nephew, niece, step-child, friend of the family or someone who works for you. Maybe someone wants to work for you but is unqualified. Tell them to come to Fresno to get a degree first. Send yourself. Go to local high schools or community colleges to promote this program. Don't mention the "S" word however, as this turns off most high school students. It's OK to talk to prospective students one-on-one

about surveying if they bring it up first. Call us and we'll send you suitable recruitment materials. If our schedule allows it, a faculty or student will come to the recruitment event with you.

Helping to motivate a student already enrolled will reduce dropout rates, thereby increasing the number of graduates. Provide a good summer job. Sponsor a scholarship. Put up an exhibit at our annual conference. Contribute to endowments and other forms of program support. Send us unused equipment for possible use in our labs or to auction at the conference. It may take a little extra effort, but in the end you will be able to say, "I did my part".

CSUF Provost's plan to demolish the "College of Engineering"

Dear SJV-CLSA, It has been brought to my attention there may be changes to the "College of Engineering" at CSUF. I have attached some information I have acquired. I encourage you to review the information, and attend the meeting on February 10th (see below). Once we are more informed we can decide if our chapter would take an opinion on this. Our February meeting will be Wed, February 16th, and I have asked Dr. Crossfield to be our speaker and bring us up to date on the future of the program. I'll be sending out another notice with meeting information. Thanks.

Sincerely,

Katrina Olsen - President SJV-CLSA 2005

Katie:

Are you in the know (or want to be) about the CSUF Provost's plan to demolish the "College of Engineering" and move it as a School of Engineering under the College of Science and Mathematics? If this happens, it could be as soon as May. There is some thought that it could be delayed for 18 months. Dean Karl Longley quit (ie retired) due to this move and there is a movement from the Engineering and Surveying community to try to convince the Provost the other way. Dr. Crossfield is taking the lead for the faculty and trying to swing a deal to stop this pending action.

Attached, for your reading pleasure, is a letter prepared by the Engineering Chapter of the Alumni Assn. which tries to persuade her to keep the school as well. Since the Geomatics program is under the College of Engineering, you and/or your members may be interested in attending the upcoming meeting with the Provost.

Vaughn L. Melcher

Blair Church and Flynn Consulting Engineers a Professional Corporation, 2893 Larkin Avenue, Clovis, California 9361
Phone: (559)291-5507 Fax: (559)291-2945
Email: <mailto:vmelcher@bcf-engr.com>

December 22, 2004

Dr. Jeronima Echeverria
Provost and Vice President for Academic Affairs
California State University, Fresno
5241 North Maple TA54
Fresno, California 93740-8027

Dr. Echeverria,

The College of Engineering and Computer Science (CEACS)
Chapter of the Alumni Association would like to express its

concern with the direction that is apparently being imposed on the Engineering and Computer Science Programs at California State University, Fresno (Fresno State) in the very near future.

We were appalled to have to read about the potential changes to the Engineering and Computer Science programs in the Fresno Bee without any prior knowledge of what is being considered. As an advisory board to CEACS, one would expect that we would at least have "heads up" knowledge of the options that are being considered and have the opportunity to offer to you our perspective on the ramifications of such an action. Our Chapter Board meets on a regular basis at the Smittcamp Alumni House and can be available at whatever time and place that suits your schedule.

Members of this Board have continually been involved with economic development in the Central San Joaquin Valley area. A message that several industries have indicated over the years to us is that stronger engineering programs (offering a M.S. and a PhD degree in Engineering) is a major factor in their decision-making process concerning whether or not to move a business/industry into this area. The engineering programs at Fresno State are vital in the economic growth of the Central San Joaquin Valley.

The engineering programs are vital to the operation, growth and recruitment of many companies in this region. The region served by Fresno State's engineering programs has been recognized as economically depressed. Engineering education in terms of "value creation" is vital to further our region's economic vitality and CEACS is a major factor in this effort.

The engineering programs have been very successful over the years in obtaining major financial support from the community and industries. A number of companies are participating in the College "VIP" program, allowing the students to obtain a paid internship in that participating industry and for the industry to benefit from the excellent education that the student acquires at CEACS. The distant learning opportunities from CEACS, available at Edwards Air Force Base and other places, allow the military personnel and others to continue their education while being remote from the Fresno State campus. The College is reaching out to many other locations that allow not only Fresno State's CEACS programs, but also Fresno State in general, to be well known throughout the world.

When Ed Kulhan developed the Geomatics (then, Surveying and Mapping) program in the early 1970's, Fresno State was only the third university in the entire United States to offer a BS degree in Geomatics (Ohio State and Oregon State were the others). This program is still considered the leader in that field of engineering.

Abolishing the College of Engineering and Computer Science and developing it as a School under the College of Science and Mathematics is seen as a weakening of and devaluing of the engineering programs. It would make it appear that the programs are not sound and credible. The programs will lose their own identity, which will cause the programs to be deteriorated over a period of time. Students, when searching for a university with engineering programs, will look for those which have programs that are viewed by future employers as being top-notch programs. Contributors to the programs may decide to put their contributions elsewhere viewing engineering programs at Fresno State as a dying curriculum. This cancer

that could develop would diminish the engineering programs to a level that could be considered as non-existent.

The engineering programs serve the under represented population and those within a lower income bracket within the Central San Joaquin Valley. Many of these students chose Fresno State's engineering programs due to the proximity of their families, its affordability and most of all, due to the quality of the program. It is even more affordable due to the fact most of the students can continue to live at home and commute a short distance rather than relocate to the Bay Area, Sacramento, Los Angeles or the coast. The potential of these students seeking an engineering education would be eroded by the lack of a quality and respected engineering curriculum.

As a result of this potential degradation of the engineering programs, the program's accreditation thru ABET may be effected. At each accreditation interval, ABET thoroughly scrutinizes the level of classes, the facilities, the credentials of the educators, and many other factors. The review of the programs is very thorough and complete. With the degradation factors associated with the development of the School under the College of Science and Mathematics, the likelihood that the programs could lose its accreditation is very great. Without accreditation, the student's professional registration timeframe would be seriously affected along with their chances to enter graduate school, if desired, as well as employer recruiting.

It is understood that the "professional" schools, such as Engineering, Business and Agriculture are being funded at a level that is far less than that these schools are being funded nationwide. Despite this, the fund-raising activity of CEACS allows CEACS to be recognized as one of the highest sources of outside funding. Despite this distinction, additional funds are needed to improve the facilities and upgrade the equipment used by the students.

It is understood that the intent of this action is an attempt to rectify Fresno State's financial situation. However, we believe that this move to place CEACS under the College of Science and Mathematics will be a decision that the Central San Joaquin Valley will regret. The monies and private scholarships that are acquired thru CEACS's fund raising efforts will be in jeopardy as well as the programs' ABET accreditation. The reduction in the amount of students graduating in the programs will cause a hardship on local employers to find young graduates from the programs. The possible cutback in the higher degree and distant learning programs will cause industries looking to base their operations in the Central San Joaquin Valley, to look elsewhere. Community wide, the financial hardships of business and reduction in the programs' financial support, could outweigh the monies initially saved in Fresno State's budget.

Our Board would like to meet with you to discuss this potential decision further and to better understand Fresno State's position on this action. We request that Fresno State provide us with the following information:

1. Proposed general CSU funding level per engineering student FTES.
2. FTES funding level of other similarly situated engineering schools in the CSU system.
3. The "decision paper" that is being used to lead Fresno State to this decision.

4. Analysis of how this action will affect ABET accreditation.
5. Number of top 50 U.S. cities in a region not served by a College of Engineering.
6. An overview of why this decision is being considered.

It is our intent to work with elected officials, interested industry and community leaders, faculty and students in an effort to retain CEACS as a stand-alone entity.

We look forward to meeting with you at the earliest possible date, regarding the above.

Respectively,

California State University- Fresno
Engineering Chapter of the
Fresno State Alumni Association

Don Fantz Jr., P.E.
President
3729 W. Atwater
Fresno, CA 93711
Ph. 559.435.6463

Fresno State shifts courses

Computer science to join college of science, math.

By Jim Steinberg / The Fresno Bee

(Updated Monday, December 13, 2004, 1:18 PM)

Fresno State will split off its computer science department from the university's College of Engineering and Computer Science and transfer it to the College of Science and Mathematics, provost Jeri Echeverria said Friday.

The change, which will take effect in July, leads to another question: Will the reduced College of Engineering eventually find itself merged as well? The computer science department has been asked to create an action plan on changes it would make once located in the science and mathematics college.

More is at stake than the organization of the colleges, faculty members say. The San Joaquin Valley's economic development rests on success and attraction of high-tech business and industry. Those businesses in turn rely on a supply of skilled engineering and computer science graduates. Without them, the Valley may well continue suffering a dearth of new business, industry and jobs.

"Faculty and the administration share a commitment to the Valley's economic development through quality education in engineering and science," Professor Tarek Alameldin, chairman of the computer science department and electrical and computer engineering department, said in an e-mail. "The ultimate goal is to prepare the work force for the 21st century."

Echeverria, vice president for academic affairs, said administrators of California State University, Fresno, will decide

in January or February about the College of Engineering's future. Associate dean Walt Loscutoff said the college's enrollment in the fall 2003 semester counted 1,186 undergraduate engineering and 288 undergraduate computer science students.

Computer science studies at Fresno State began as an option in the mathematics major, Echeverria said, and a large share of the faculty come from a mathematics background. She said engineering faculty members approved of the move when it was proposed last year.

Echeverria said the university is exploring two basic models following the decision to move computer sciences from engineering:

Engineering may join another college, possibly creating a College of Science, Math and Engineering.

Engineering may continue in interim status for a year or two as Fresno State studies whether and how to reorganize.

Karl E. Longley, dean of Fresno State's College of Engineering and Computer Science, announced his retirement last week, effective this month. He tied his retirement to the university's decision to merge his college with another.

Kin-Ping Wong, dean of the College of Science and Mathematics, ventured no opinion on what he said is a decision for Echeverria and university President John Welty. Wong agreed, however, that engineering is based on mathematics and physical science.

"If the provost and president decide that is the best way and good for the students," Wong said, "I will work very hard to make sure this improves math, science, engineering and computer science. I can count on my chairs to do likewise."

Fresno State is moving toward completion of its three-story, \$22 million Science II building. It is supposed to house classes beginning next spring.

Wong said completion of the Science II building, which will complement the Science I building, is unrelated to decisions involving computer science and the engineering college.

Disagreement over the role of computer science and engineering has swirled around those disciplines at Fresno State since 1996 at least.

Computer science faculty complained that year that students could not attend the labs they needed and they lacked equipment they needed to complete assignments.

Complaints began soon after the computer science department joined engineering in 1991. Computer science faculty members argued that they had no role in deciding questions of equipment, key in their fast-developing field.

Computer science faculty members said they and their students lacked access to computer equipment under the administrative control of the engineering college.

The reporter can be reached at jsteinberg@fresnobee.com or (559) 441-6311. No decision on engineering college merger

Provost says Fresno State may merge engineering with science and math.

By Jim Steinberg / The Fresno Bee

(Updated Saturday, January 29, 2005, 5:58 AM)

University provost Jeri Echeverria told a packed lecture hall of about 200 students Friday that, "believe it or not," she and President John Welty have reached no decision about merging Fresno State's College of Engineering with another college.

The issue has alarmed engineering students and faculty in the aftermath of a December decision moving the computer science program from the College of Engineering to the College of Science and Mathematics.

That triggered the next question: Can the College of Engineering stand alone?

At the time Echeverria announced the change for computer science, the College of Engineering and Computer Science at California State University, Fresno, counted 1,186 undergraduate engineering and 288 undergraduate computer science students.

In an extended session answering students' questions, Echeverria said the university is considering two main options: Merge the College of Engineering with the College of Science and Mathematics or continue the College of Engineering for a trial period. Echeverria told students the university will not name a replacement for Karl E. Longley, who retired in reaction to what he called a decision to merge his college with another, until the engineering college's fate is decided.

Echeverria said that engineering faculty members have submitted a list of goals that include increasing the percentage of students who complete engineering degrees, increasing the amount of grants and funds the college wins, expanding private donations, and expanding work in the larger community.

She is holding a series of meetings with students and faculty, in part to dispel fears that the college will definitely be merged away.

Students told Echeverria that the university's decision will affect their professional lives.

"If I graduate from an unaccredited college, I am taking a pay cut for the rest of my life," one student told the provost.

Echeverria answered that other universities place their engineering programs in a variety of schools and colleges. The

agency that accredits professional engineers "doesn't give a patutti" whether Fresno State maintains engineering as a separate college or part of another of its colleges, she said. "They care if it is a quality program."

The session lasted more than an hour. Walking out, student Russell Harland, 31, said the college's future is important.

"They keep talking about how engineering costs more, but we put more back into the community," he said, mentioning bridge construction, skyscrapers and circuits, for example.

"This is a valuable asset to the community."

The reporter can be reached at jsteinberg@fresnobee.com or (559) 441-6311.

LS Review Class 2005

is scheduled for every Thursday evening from 1830 to 2100 in SD (at the Caltrans office in Old Town as in years past) beginning 13 Jan 2005. This class is guaranteed to positively impact the chances of an exam (LS and LSIT) candidate in passing the test. I can personally testify to the effectiveness of the course - it was instrumental in my preparation for (and subsequent passing of) the CA State-specific LS exam in April 2004. There was a significant percentage of attendees at the 2004 class that did not intend to take the exam that time - but were taking it as part of their lead-up to the exam at some point in the future. Also, it's my opinion that this class would also serve very well as a nice refresher course for practicing LS's and for those folks considered as technicians as a means of professional development and training. Of course, the focus of the class is to review subject matter likely to appear on the exam and to develop study and test-taking methods to enhance the chances of passing. But, the review of the material alone is well worth the time.

CLSA Workshop GIS for Surveyors

Hands-on Training Limited Seating. Register Today!

Speaker: Mike Weir, ESRI

Feb. 11 - Redlands, Feb. 18 - Santa Rosa Feb. 25 - Fresno
- See enclosed PDF file or visit the CLSA Event Calendar to download registration form.

<http://www.californiasurveyors.org/files/eventcal.html>

-QUESTIONS? 707-578-6016 clsa@californiasurveyors.org

Surveying Exam Review Course

The Civil Engineering faculty from Cal Poly Pomona are offering their Land Surveying Exam Review Course for the April 15 & 16, 2005 exam. Taking this course is an excellent way to prepare you for this exam.

This six week (three session) course will be offered at Cal Poly Pomona on Saturdays and Sundays from 8:00 a.m. - 5:00 p.m.; beginning on March 12, 2005.

Both of the instructors are California registered land surveyors and university professors at Cal Poly Pomona. This combination gives the benefit of learning from instructors who are both technically competent and communicate effectively in the classroom.

This course will reflect our tradition of practical surveying instruction and is designed to help you review the subject matter you will need to know to pass the examination.

WEB TECHNOLOGY

In addition to the classroom instruction time, each participant will receive WEB ACCESS until the examination to a set of course notes that include useful diagrams and tables as well as solved example problems. Many of the questions used are multiple choice to prepare you for the examination.

- see attached PDF file or contact: Dr. Howard Turner at (909) 869-2645. E-mail hturner@csupomona.edu.

Trimble Geomatics Office (TGO) Post-Process Training

Three days hands class on March 29th, 30th, 31st in Anaheim.

- Bring your Laptops! We'll put you to work!!!

Please feel free to contact Jeff Young @ 310-486-3413 or Dan McMahon 760-271-4681 or 800-215-2737

dan@alleninst.com www.alleninstruments.com

Cal / Osha update. Held once a year. Mar. 8 Burbank, Mar. 9 Ontario, Mar. 10 Anaheim. Call 800-275-2774 or 650-349-1660.

The Subdivision Map Act – Feb. 25 in Los Angeles. Contact uclaextension.edu/publicpolicy or (310)825-7785.

Land Survey Systems – various locations. Contact Pacific Land Seminars. paul@pacificland.com or call 949-642-0335. See Pacific Lands website - www.pacificland.com.

LS and LSIT Review - Contact Pacific Land Seminars. paul@pacificland.com or call 949-642-0335. See Pacific Lands website - www.pacificland.com

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. www.cuyamaca.edu. Or 619-668-4040.

Santiago College GIS/GPS Surveying Program - see 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

California Land Surveyors Association **CLSA Education Foundation**

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

- see attached PDF file for scholarship application or contact the foundation.

Dear fellow CLSA members,

I am writing you today on behalf of the CLSA Education Foundation. The Education Foundation in partnership with CLSA and many local Chapters awards over \$9000 in Scholarships annually to Surveying/Geomatics students. A good portion of the fund raising for this student aid comes from the auction at the annual Conference. This year's conference is being held in conjunction with ACSM, NALS and WFPS at the Rivera Hotel and Casino March 18-23 in Las Vegas, Nevada. Both a Live and Silent Auction are planned and the Education Foundation needs your help in the form of Auction item donations.

Your tax deductible donation could be anything from the old transit in the back of the office to old Surveying text books or anything that may be of interest to a group of Surveyors. Framed antique maps and Aerial photographs have been popular items in the past. If you have something to donate, but cannot attend the Conference & Auction, please contact me and I will make arrangements to have the items picked up.

If you are attending the Conference, check out the silent auction tables and plan on attending the Live Auction. It's a great way to support the Surveying Students and the future of our profession, *and* have a little fun while you are at it!

I look forward to hearing from you,

Steve Martin
CLSA Education Foundation Secretary-Treasurer

Contact: Email: steven.martin@sdcounty.ca.gov
Telephone: Office (858) 694-3161, Home (619) 583-2253

EMPLOYMENT

Ronald D. Bruinius
320 University Village South #4
Gainesville, FL 32603
Phone: 352-846-5525
Email: rdbruin@ufl.edu

Dear Phil Giurbino,

My name is Ronald D. Bruinius. I am a student at the University of Florida who majored in Geomatics. At the end of April, I anticipate graduation and will be looking for a full time job. Gaining more experience in traditional land surveying and working my way up through various remote sensing techniques are my career goals.

Currently, I am working for Gainesville Regional Utilities where I am utilizing the ArcFM attribute editor to relate gas service lines to a billing customer database. I, also, have the responsibility to check the accuracy of the map according to the paper billing records. When errors are found, I correctly digitized the service line and relate it to the customer service database.

As my resume shows, I worked on a project at the University of Florida, directed by Joe Aufmuth. I worked on it from its inception to its completion. The goal of the project was to

rectify historical aerial photographs for each county of Florida (1930's - present) to the Florida State Plane coordinate system. It entailed stages where photographs for each county were changed from TIFF to IMG files, identifying common points between each photo of a county, finding common points from rectified aerial photographs taken in 1998 (used as control), and finally, running the image coordinates and control coordinates through a two-dimensional coordinate transformation. The project utilized Arc software and ERDAS image.

In the summer of 2001, I worked for Heidt & Associates, Inc where I learned the basics of being a rod-man. I was sent out with various crew-chiefs and gained a wide variety of surveying experience. I helped survey cadastral information; measure street topographic data; delineate wetland boundaries using a Global Positioning System; and create a level network for a hydrological survey.

While being a full time student, I sought out positions in student government to improve the Geomatics Department. During the 2001 / 2002 school year, I was the Benton Engineering Representative. Being a representative entailed creating social functions between the engineering departments. As the secretary of the Geomatics Student Association (2002 / 2003), I kept the department informed of the discussions during the meetings.

Finally, I am proud of the decision to become a Geomatician / Land Surveyor, because of the many opportunities it lends itself toward affecting my community.

I am looking for a company that has a vision for the future, and willing to lay out the foundations that are needed. This is the reason for attaching my resume to this email. I look forward to your response.

Ronald D. Bruinius

- see resume at the end of the newsletter

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Principal Survey Aides operate optical reading theodolites, electronic total Survey stations, survey data collectors, electronic measuring devices, levels, Global Positioning Systems (GPS) receivers, and other precision surveying instruments; determine lines, angles, distances elevations; make calculations such as coordinate geometry and traverse adjustments, using computers and hand-held programmable calculators; review and edit raw survey data stored in data collectors; keep field notes and draw sketches; operate hand-held radios to communicate with survey party members and City communications; act as chief of part of a small crew on routine jobs and have responsibility for a large party in the absence of the party chief; train and direct survey aides; and perform related work.

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-OR-

REGISTRATION/CERTIFICATION: NOTE: If you are using any of the following to qualify for this job, you must submit proof of registration/certification with your application.

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2. Certification as a Land Surveyor-in-Training (LSIT) issued from a State licensing board.

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San Diego, CA 92101

INTERNET: www.sandiego.gov/empopp

Contact: L. E. Carter Jr., Sr. Land Surveyor 858-627-3220

KAPPA Surveying, Inc. has an immediate opening for an experienced chairman, and would like to add another crew (i.e., party chief and chairman) in the very near future.

Contact Melissa Turner missyturner@cox.net, or by telephone at (619) 465-8948, or by fax at (619) 465-6410.

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Apply immediately, open until further notice. Apply to Dept of HR, 1600 Pacific Hwy, Room 207, San Diego, CA 92101. Phone: (619) 236-2191, or see web site at www.sdcounty.ca.gov. Applications required, no resumes.

Masson & Associates, Inc. is seeking several employees:

- **Survey Party Chief** with a minimum 5 years experience with focus on construction staking. Applicant should be responsible, innovative and dedicated to the profession with strong technical, organizational and communication skills.

Responsibilities include performing Topographic, Boundary, Right of Way, Aerial Control and Construction Staking Surveys using TDS with Geodimeter Total Stations and Trimble GPS surveying equipment. Applicants should have completed the LSIT with the desire to obtain LS. Computer and LDD/AutoCAD knowledge preferred.

- **Senior Land Surveyor** with a minimum 10 years of surveying and mapping experience. LSIT required, LS preferred. Responsible for supervision and scheduling of office and field staff, marketing, project management, and quality control.

- **Survey Mapping Technician** with a minimum 2 years of surveying and mapping experience. Knowledge of legal description interpretation and attention to detail a must. Must be knowledgeable in AutoCAD and LDD.

Competitive salary and benefits. Please send resume via email at dogrady@masson-assoc.com or via fax at (760) 741-1786.

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

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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: mbutcher@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, McColl & 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 or 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

Sorry for the late thank you, but THANK YOU all for the beautiful plant you sent to our house. Ginny called me at work and said I had a surprise when I got home. We are both on the road to having great and healthy year ahead of us.

Thanks again, have a great day and weekend,

Dave Ambler

Elimination of the Board of Registration

See enclosed letter to the Little Hoover Commission from our Chapter, prepared by Jas Arnold, in regards to the Governors plan to eliminate various State of California Boards.

CLSA SD Web-site – Thanks to our new web master Julie Eckman for reviving our web-site. Julie is busy updating the site and I'm sure before long we'll see her own added personal touch. Good start Julie! Many thanks to Louanna Oldfield for setting up and maintaining our web site - the site was very well done and valuable to all of us.

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CLSA Website & Email Change - The old URL ca-surveyors.org will no longer redirect to the current CLSA website or email. Please be sure to update your email address book and bookmarks: Email: clsa@californiasurveyors.org
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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

- Members are encouraged to receive email newsletters in lieu of mailings. Please review your need to receive a mailed copy of the newsletter. To request an email newsletter only contact Jas Arnold at jarnold@rickeng.com.

-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.

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.

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and Paul Cuomo Press for your support!**

Resume

Ronald D. Bruinius
320 University Village South #4
Gainesville, FL 32603
Phone: 352-846-5525
Email: rdbruin@ufl.edu

Objective Finding a full-time job where I can gain surveying experience in various techniques while taking new responsibilities.

Employment Experience

August, 2004 – Present
Gainesville Regional Utilities

- Job title: GIS technician
- Job description:
 1. Utilizing an ArcFM attribute editor to relate meter identification numbers with parcel IDs.
 2. Confirming the parcel IDs with the Alachua property appraiser's website.
 3. Digitizing Gas Service lines on a parcel.

April, 2003 – August, 2004

- University of Florida
- Job title: GIS technician
- Job Description:
 1. Rectifying computer images to the Florida State Plane Coordinate system.
 2. Creating a GIS database for a web server using ERDAS imagine & ARC software.

May, 2002 - August, 2002

- Heidt & Associates, Inc.
- Job Title: Rodman
- Job Description:
 1. Helping the crew chief and instrument person create cadastral, topographic, and hydrographic maps.
 2. Setup GPS receivers and gather data to be post-processed using a differential GPS software.

Education BS, Geomatics, University of Florida, Gainesville, FL
Expected Graduation date: April 29, 2005
AA, Saint Petersburg College, St. Petersburg, FL

Computer Experience C-programming
ARC software
Autocad, GeoPac, GeoStation
ERDAS Imagine

Student Government Benton Engineering Council Representative (2001 to 2002)
Secretary of the Geomatics Student Association (2002 to 2003)

Affiliated Organizations Geomatics Student Association
American Society for Photogrammetry and Remote Sensing
Florida Surveying and Mapping Society

Senior I organized a 7X7 grid of points covering an area of 10000 square feet. After setting up a total station over on a control point and shooting side shots to the other points, I took 55 photographs from different angles and heights. I processed the images using a self-calibration bundle adjustment program. This process rectified the image points found on each photograph and calculated the orientation of the camera to the prescribed coordinate system. After relaxing the standard deviation of some of the measurements, the effects of the distortion parameters was compared to the control network.

The goal of the project was to compare the coordinates derived from the self-calibrating bundle adjustment to the coordinates derived from the survey measurements. The comparison then modeled the effects of the distortion parameters, assuming that the surveyed measurements were at a higher level of precision than the photo measurements.

Supervisor References	Darris E. Friend Programmer Specialist 352- 393-1596 friendde@gru.com	James Matt Johnston Engineering Technician, Sr. 352-334-3400 x1506 johnstonjm@gru.com	Joe Aufmuth GIS Coordinator 352-273-0367 mapper@mail.uflib.ufl.edu
Character References	Bon Dewitt, PhD Professor, University of Florida 352-392-6010 bdewi@ce.ufl.edu	Scot Smith, PhD Professor, University of Florida 352-392-4990 ses@ce.ufl.edu	

2005 LS EXAM REVIEW CLASS

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WHEN & WHERE

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TOPICS TO BE COVERED

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Letter to the Little Hoover Commission

Governor Schwarzenegger's highly publicized California Performance Review contained a general indictment of the boards and commissions in state government. The Governor said he wants to "blow up the boxes" on the organization chart of state government, and the theme of streamlining government was echoed in his recent state-of-the-state message. The Governor has been equally vocal in his assertion that the business of government must go on in full view of the public, and in his oft-repeated condemnation of special interests and career politicians.

Against this backdrop of open and accessible government that serves the interests of citizens over politicians dominated by special interests, the Governor's administration has proposed the conversion of 33 independent professional licensing boards (whose members are citizens drawn from the general public and the regulated professions) to bureaus, by abolishing the boards and placing the regulatory programs directly under the Department of Consumer Affairs (DCA).

The administration cites several goals in support of the reorganization proposal: streamlining government, increasing accountability by establishing direct responsibility, and enhancing efficiency, all in the name of stronger consumer protection. This paper examines the reorganization proposal in light of the administration's stated goals and concludes that the cause of consumer protection will not be well served by doing away with professional and public board members.

Business Friendly, Consumer Friendly?

The Governor often articulates the theme of improving the business climate in California. However, the administration's proposal is neither business friendly nor consumer friendly. The current board system provides for moderate decision-making -- something this Governor has embraced. Boards typically comprise both public and professional members who are appointed by the Assembly and Senate, as well as the Governor. Because board members' terms are staggered, appointees of two governors often serve simultaneously. The result is stability, continuity, compromise, and better decision-making through incorporation of a wide variety of interests and perspectives.

By contrast, under the new plan, one partisan political appointee (the DCA Director) would set policy for all the regulated professions, and would do so without structured participation by the regulated professions or the consumer public. At the recent Little Hoover Commission hearing at the Capitol, witnesses described the most common complaint of licensed professionals as lack of clear and consistent articulation and interpretation of the rules governing their practice. Under the administration's plan, there will be paralysis and inaction in the beginning of each new Governor's administration while appointments are made and new appointees learn their jobs, and then there will be government by whimsy as each appointee tries to assert his or her peculiar policy vision. Instability will prevail in the regulatory arena. Consumers as well as regulated businesses will suffer.

All States Have Licensing Boards, and California Has Led the Nation

Contrary to what was described in the CPR report, California's regulatory boards have been viewed as models for the rest of the states. While regulatory boards have been the norm in all the states since the turn of the last century, California has led the nation in reforms aimed at balancing the interests of business and consumers. Then-Governor Ronald Reagan created the Department of Consumer Affairs in 1974, broadening the consumer focus of the former Department of Professional and Vocational Standards. After Reagan, Governor Jerry Brown began the push for public members on regulatory boards to ensure that the professions would not dominate and consumers' voices would be heard. Later, California enacted a regulatory review law and created an Office of Administrative Law to ensure that every regulation enacted or proposed by an administrative agency was vetted in a public hearing process and conformed to standards of necessity, clarity and the like. More recently, in 1994 California enacted a Sunset Review statute to provide for periodic review of the regulatory boards in the Department of Consumer Affairs. Last year, that oversight law was expanded to encompass review of all state boards and commissions. The administration's proposal would disband this carefully constructed, well monitored system of regulatory boards in favor of unfettered regulatory power in the hands of a small cadre of the Governor's appointees.

Professional Expertise is an Essential Factor in Professional Regulation

Most issues related to defining and regulating the practice of licensed professions are sufficiently technical and complex as to require professional expertise to sort them out. That is not to say that the professions should rule in their own self-interest, and as noted earlier, California's regulatory boards are structured to balance the interests of the professions and the public. But it seems evident that issues such as developing medical standards, evaluating new construction techniques, approving ethics rules for accountants or studying international practice agreements all require professional expertise. The current structure of regulatory boards in California brings professional expertise to bear on these issues in an environment that is open to the public and provides a regular forum for

citizen participation. By contrast, the administration's proposal banishes board members and consolidates decision making in the hands of inexperienced government staff who would have the impossible task of evaluating, for example, engineering practice standards on Tuesday and medical malpractice on Wednesday.

Interstate and International Practice

The reorganization proposal could have the presumably unintended consequence of limiting competition and stifling opportunity for California's professional practitioners. One role of boards is to help develop interstate and international standards of practice to facilitate interstate and international commerce. Many professions have boards that belong to national councils or federations which develop national license examinations and standards for practice, which helps professionals qualify for licensure in other states and countries and expand their business opportunities as a result.

Some of these councils/federations consist only of boards or only recognize board members as delegates who can vote or participate in national deliberations. While the Governor constantly encourages international and interstate business development in California, the administration's proposal creates an incomprehensible regulatory climate that could discourage professionals from other states or countries from coming to California, and limits opportunities for California professionals outside the state.

Accountability and Undue Influence

While the Governor decries the undue influence of special interests in government, the administration's reorganization proposal invites secrecy and insider influence. The current system of independent boards whose members are accountable to both the Governor and the Legislature, and whose deliberations must be done in public meetings, provides checks and balances against undue influence by officials who might be tempted to intervene in regulatory decisions on behalf of friends, political cohorts or campaign contributors. The reorganization proposal disbands the checks and balances inherent in the current structure of regulatory boards.

Costs Understated, Savings Overstated

Proponents tout the potential cost savings of the reorganization plan, but the details of the proposal belie that claim. In announcing the plan, administration officials were careful to point out that only the board members would go – all the government staff would remain in place. They added that none of the regulations would change. What cost savings would result, then? Only the \$100 per diem for each day a board member is involved with board business, along with the travel expenses associated with board meetings (typically held quarterly in locations that are accessible to citizens all over the state). What additional expenses might result? To replace the expertise represented by professional and public board members, DCA would have to expend staff resources continuously to recruit, train, hire and keep tabs on members of newly created advisory committees or technical experts. And it is highly unlikely that professional practitioners who are not dedicated board members would give up their normal day's compensation for the occasional \$100 in per diem. These increased costs are inevitable unless DCA simply forgoes the expertise that comes with board member participation in the regulatory process.

Moreover, as DCA's regulatory boards are funded by license fees that by law cannot be expended for other purposes, the reorganization proposal would have no impact (i.e. no cost savings or increased revenues) on the state's deeply troubled General Fund.

Claims of Efficiency Are Questionable

The reorganization plan envisions consolidating the former independent boards' operations within a centralized agency, mostly within DCA. That would require DCA staff to become proficient in the complex licensing laws and processes of multiple professions, thereby diluting their expertise, negating their specialized experience and generally diminishing customer service. Likewise, consumer complaint handling would suffer with the degradation of staff's experience and specialized knowledge of the law and regulations governing each profession's practice.

The plan's proponents focus on potential cost savings through computer system automation of boards' licensing and enforcement programs. But it seems illogical to think that licensing requirements for such professions as accountants and architects, contractors and cosmetologists, let alone physicians and nurses, could or should be standardized sufficiently to conform to a one-size-fits-all computer system. Moreover, DCA has undertaken major development projects for unified licensing and enforcement data systems several times in the last three decades, and each time the effort proved to be a futile and costly debacle. By contrast, many of the independent regulatory boards have developed their own fully functional data systems that serve their clients well, including current and prospective licensees and the consumer public.

Finally, any claim of efficiency must be grounded in the concept of efficient public service. In the case of DCA's regulatory boards, their clients, whether they are consumers, licensees, or prospective licensees, are accustomed to dealing with specialized agencies that have distinct functional identities. For example, if a consumer has a problem with a contractor, the mere title of the Contractors State License Board, along with the board's outreach and public information efforts, make it simple to figure out what government agency might help address the problem. But to abandon the unique identity of each specialized regulatory board in favor of a massive, generic Department of Consumer Affairs seems to negate citizens' ability to identify government services, and government's ability to serve its customers, and that certainly is not efficiency.

The Reorganization Plan Does Not Serve Its Stated Goals

Given all these factors, it seems evident that eliminating public and professional board members in the name of streamlining government constitutes false economy. Shifting the boards' regulatory and consumer protection functions to a mega-agency will result in more, not less, bureaucracy. And it is highly unlikely that improvements in efficiency, cost effectiveness or customer service will be achieved under this scheme. By its own stated goals, the administration's reorganization proposal fails the test of government efficiency and consumer protection.

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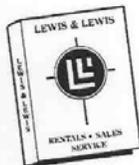
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CALIFORNIA LAND SURVEYORS ASSOCIATION

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