



GOVERNMENTAL AFFAIRS

TITLE ACT STUDY AND CONVERSION UPDATE

By Marti Kramer, CAE

On June 1, 2004 the Board of Professional Engineers and Land Surveyors (BPE&LS) testified before the Joint Legislative Sunset Committee in response to ten issues raised by the Committee.

The testimony on behalf of the BPE&LS was presented by Greg Brandow, PE the BPE&LS Board President and Cindi Christenson, PE the BPE&LS Executive Officer. Their testimony offered a brief description of the history of the Title Acts and the effort that went into the development of the BPE&LS recommendation. Mr. Brandow clearly stated the need for overlap between the Practice Acts (Civil, Mechanical, and Electrical), the need to eliminate the category of Title Acts (Agricultural, Chemical, Control Systems, Fire Protection, Industrial, Manufacturing, Metallurgical, Nuclear, Petroleum, and Traffic), and the need to convert the Title Acts to Practice Acts. He stressed the point that the concept of Title Acts is unworkable.

Summary of BPE&LS Recommendations:

Issue 1: Overlap

Recommendation:

- Some overlap should be allowed for all Practice Act disciplines - should be limited to being "in connection with and incidental to" the specific discipline/branch.
- Move Board Rule 415 - Practice Within Area of Competence to statute

Issue 2: Responsible Charge

Recommendation:

- Responsible charge will be required of those disciplines that are converted to Practice Acts.

Issue 3: Eliminate protection of only the title and offer practice and title protection to all regulated disciplines

Recommendation:

- All Title Acts should go through the legislative **Sunrise** process at the same time to determine whether each specific discipline should be converted to a Practice Act or eliminated altogether.

Issue 4: Track education, examinations taken and job experience at time of application and make limited information on licensees available to the public

Recommendation:

- Collection of information should be reviewed by the Board to determine the methods of collection, reasons for collecting the information, and what if any, of that information should be provided to the public consistent with existing law.

Issue 5: Maintain useful records on applicants for licensure and complaints against licensees

Recommendation:

- The Board should review the development of a comprehensive integrated database and associated costs.

Issue 6: Reporting of legal actions**Recommendation:**

- Reporting of legal actions including criminal convictions and civil court judgments, settlements, and arbitration awards, should be required of licensed engineers and land surveyors - limited to those civil actions related to or resulting from the practices of professional engineering and professional land surveying; set the reporting requirement at \$50,000 and above.

Issue 7: Assess continued regulation of engineering branches after legal actions and more comprehensive complaint data and insurance premium and claims data are available.**Recommendation:**

- Legal actions should be collected pursuant to Issue 6.

Issue 8: Creation and regulation of new disciplines**Recommendation:**

- Any new discipline, such as environmental engineering, seeking licensure should go through the existing legislative Sunrise process.

Issue 9: Standardization of goals, methodologies and analytical techniques used in job analyses by NCEES and other vendors**Recommendation:**

- Goals, methodologies and analytical techniques used in job analyses should conform with existing psychometric standards.

Issue 10: Maintenance of non-proprietary data files by CA and NCEES describing job analyses.**Recommendation:**

- BPE&LS should continue ensuring exams are developed through a valid process and that all data files remain with the body responsible for conducting the job analyses.

(END OF TESTIMONY)

These recommendations and issues are part of an ongoing process of sunset review that began in the mid 90's. A large part of the CSPE legislative program has been to actively participate in all forums to shape these recommendations. BPE&LS is currently being reviewed and the recommendation to extend the Board portion of BPE&LS for one more year is embodied in the recommendations.

Overall, CSPE is pleased with these recommendations of BPE&LS and continues to monitor SB 1547 through the efforts of our lobbyist and our Vice President of Governmental Affairs Tom Stout, PE. If you have specific questions about these recommendations or would like to comment on any of them, please email Tom at: tomstoutpe@earthlink.net

CSPE Governmental Affairs section of the CSPE website contains background information and contact information on this and other topics of concern to you. If you haven't visited the CSPE website (which is now over 300 pages long) you may do so 24/7 at www.cspe.com

NOTICE: BOARD CONDUCTING CIVIL ENGINEERING OCCUPATIONAL SURVEY/STUDY

The Board for Professional Engineers and Land Surveyors (BPE&LS) is currently conducting an occupational analysis study for civil engineers. This fall surveys will be sent to a sample of approximately 5,000 California licensed civil engineers to assess their work-related activities. The selected sample will include engineers licensed within the last 20-years and a cross-section of the profession. The information will be used to update the test plan for the Seismic Principles and Engineering Surveying examination. The civil examinations are two of six California-specific examinations developed by the Board and a vendor with the cooperation and assistance of California-licensed civil engineers.

The survey is required to develop examinations that test current civil engineering knowledge and tasks and are a critical element of the examination development process. We encourage all engineers that receive the survey to complete and return the survey promptly so data that is representative of current civil practice in California can be collected and reflected in the licensing examination through an updated test plan. If you have any questions please contact Susan Christ at Susan_Christ@dca.ca.gov.

FLASH REPORT: POOCHIGIAN MULLS RUN FOR ATTORNEY GENERAL WORKERS' COMP EXECUTIVE

Monday, June 14, 2004

Workers' comp veteran and SB 899 author, Senator Charles Poochigian, R-Fresno, is considering a run for Attorney General in 2006, according to sources in the Senator's office. According to a spokesman, the Senator has not yet made an official announcement, but is seriously considering the possibility.

Poochigian is serving his second term in the Senate and will be term limited out in 2006. If he decides to run and wins, he will takeover from Democrat AG, Bill Lockyer who is also prevented from running again.

As the author of SB 899, the workers' comp reform measure supported and signed into law by Governor Schwarzenegger, Poochigian might carry a lot of weight into a campaign.

Poochigian has played an active and prominent role in the workers' comp reform battles including last year where he served on the workers' comp conference committee. His former senior consultant Moira Topp serves as Governor Schwarzenegger's chief advisor on workers' comp. Poochigian currently serves as the chair of the Senate Republican Caucus.

Demonstrating a commitment to workers' comp law enforcement, Poochigian recently introduced a bill in the special session (SBX4 18) that would shift 90 percent of the funding for investigating and prosecuting workers' comp referrals from the Department of Insurance to local district attorneys. The remaining 10 percent would be used by the Fraud Commission and the Department to collect, analyze and disseminate workers' comp fraud statistics among other things.

Sources close to the Senator would not speculate on when he will make an official announcement.

Filed by Bess Shapiro in Sacramento

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IMAGE & MEMBERSHIP

FUTURE DIRECTIONS TASK FORCE ANNOUNCES NEW ONLINE OPINION FORM

NSPE is pleased to announce that the online comment form for the Future Directions Task Force is now live on the NSPE web site. This "survey" allows members and non-members, PE's and non-PE's to provide their comments and opinions on issues currently being addressed by the task force. Right now, questions pertain to three areas:

- o Field of membership
- o Structure/organization (non-governance)
- o Strengths/weaknesses of the present NSPE

All answers will be compiled and provided to the task force members to consider as they move forward with their charges. You may fill out or view the form by going to this link: <http://www.nspe.org/media/mr1-leadersurvey.asp> or by visiting the NSPE home page and following the link there.

PEACE CORPS SEEKS ENGINEERING VOLUNTEERS

The Peace Corps has recently entered in a partnership with CONSEJO NACIONAL de CIENCIA y TECNOLOGIA in Central, Mexico. They will begin sending highly specialized and technical Volunteers to Mexico in Fall 2004.

The Peace Corps would like to inform our membership of these historic opportunities with Peace Corps in Mexico. Below is a synopsis of the programs.

PROGRAM:

Seasoned applicants are being sought in the areas of :

- Materials and structural engineering
- Manufacturing and mechanical engineering
- Business development

Electrochemical Engineer with experience in design, construction and operation of electrochemical reactors and cells (electro- floatation, electro-dialysis, electro- synthesis) corrosion and electroplating. Sought for a position in CIDETEQ - Queretaro. Responsibilities would include design and installation of electro-chemical processes for manufacturing industries.

Mechanical or Materials Engineer with experience in plastics and power injection molding for design of plastic products and tools. Sought for position in CIDETEQ - Queretaro. Responsibilities include working with Research and Development Team at the Center with small and medium size businesses.

Mechanical Engineer experienced in the design and manufacturing of machine tools (stamp dyes) . Previous auto parts manufacturing, or petroleum industry experience desirable. Sought for a position in CIDESI - Queretaro. Volunteer would design and manufacture monofunctional, progressive and high precision tools for cutting and folding metals and creating forms. Experience in computer-aided manufacturing (CAM) desirable.

Metallurgical or Materials Engineer experienced in metallurgy and failure analysis of metal strength, tanks and tubing. Sought for a position with CIDESI -Queretaro. Volunteer would be involved in the design of electro-chemical processes for industry and testing pilot projects.

Electrical and Electronics Engineer or person with electro-thermal experience in fluid measurement and operations of compressors and pumps. Sought for CIDETEQ- Queretaro.

Electrical Engineer or person with **Production Line Manufacturing Specialist** experience in device net, field bus, profibus, control net or Ethernet to design communication interfaces using such protocols. Sought for CIDEST- Queretaro. Volunteer will work on communication interfaces for production line processes.

Materials Engineer or Electrical and Electronics Engineer with mecatronics or metrology experience in precision measurement, metrology, gauging, calibrations and coordinated measuring machines. Sought for engineering, root cause analysis and statistical control.

Chemical Engineer or person with experience in **Plastic Injection Molding** in packaging and bottling of food and beverages industries. Sought for position in UDITEC- San Luis Potosi. Volunteer would research international trends, technologies, and coordinate activities.

Mechanical - Metallurgical Engineer with experience in Failure Analysis. Sought for UDITEC- San Luis Potosi. Volunteer would assist with designing electrochemical processes for industries, testing pilot projects, conducting statistical analysis of quality control measures.

Business Advisor for Knowledge Management and Information Technology. Experienced is required in IT and Library Science managing large quantities of research materials. Volunteer would design and build a information system for a R & D Center. Sought for a position with CIATEC-Leon.

BENEFITS:

*Applicants should be highly specialized for one of the following programs:

* Peace Corps covers all living expenses during the 27 months of service. The benefits include round-trip transportation, medical and dental care, a monthly stipend, 48 vacation days, and a readjustment allowance upon completion of service.

* Volunteers will receive up to three months of intensive language preparation, technical and cross-cultural training in Mexico before beginning their service.

BACKGROUND:

In November 2003, the Consejo Nacional de Ciencia y Tecnologia, or CONACYT, (the National Council on Science and Technology) of Mexico and the Peace Corps signed a unique new partnership agreement that allowed for the planning and preparation of the first Peace Corps program in Mexico.

Peace Corps is now actively seeking 15 to 20 United States citizens who are both experienced and highly trained engineering, technical and/or business development volunteers, to work with CONACYT centers in Queretaro, Leon, San Luis Potosi, and Aguascalientes, Mexico in some specialized areas of environmental and water engineering, mechanical and metallurgical engineering, and business development, including information technology. The first group will depart for training in late September.

Interested persons should contact Harris Bostic II, Regional Manager at the Peace Corps, 415-977-8801 (w) or 1-800-424-8580, option 1, or email hbostic@peacecorps.gov.

MEMBER SERVICES

GIVE BACK, GET BACK



Don't miss out on the last few weeks of the Give Back, Get Back program! The program has been extended through **June 30, 2004!**

CSPE members still have plenty of time to earn **free state and national dues** for 2004-2005. Those who have already sponsored one member need just one more to make it on the Hall of Fame!

The NSPE and CSPE Board of Directors approved the "Give Back: Get Back" incentive program as part of the P.E. Invitational—NSPE/CSPE's "Member Get A Member" campaign. Any NSPE/CSPE member who sponsors two or more new or reclaimed, full-paying Licensed Members and/or Members between October 3, 2003, and **June 30, 2004**, will receive their 2004-05 NSPE and CSPE memberships for **FREE!**

Here are the rules:

1. Incentive recipients must be current NSPE/CSPE members in good standing as of June 30, 2004.
2. Life members, Retired members, and Student members—or, members who have joined through the enterprise program—are eligible to be sponsors, but are not eligible to be sponsorees, for the purposes of this incentive program.
3. In order for the sponsor to receive credit in this program, the initial application of the sponsoree must contain the sponsor's name and/or member ID number.
4. Starting in November, all sponsors will receive a monthly e-mail update from NSPE (with a copy sent to the state societies) on their status toward the two or more-sponsoree goal. This notification will include confirmation-as applicable-that they have qualified to earn their incentive reward during the 2004-05 fiscal year.
5. Starting in November (and after the closing of each month's membership books from now through March), NSPE will post the names of the qualified members (the winners!) on a new and special Web page.
6. Starting in the 2004-05 fiscal year, renewing members who have qualified for the reward will note that fact on their renewal form and then receive their national dues for free. The CSPE Board of Directors approved the waiver of state and chapters dues. Your 2004-2005 NSPE/CSPE dues will be absolutely free if you qualify!!!!
7. NSPE will review the results of this pilot program at its conclusion (3/31/04) to determine whether it will be revised and/or extended.
8. Questions? Comments? Please contact membership@nspe.org or at 703-684-2800.

PROFESSIONAL DEVELOPMENT

NSPE EDUCATION OPPORTUNITIES - ONLINE!

New Standard Form SF 330: Your Key to Doing Business With the Feds

June 16 12:30 - 2:00 p.m. EDT

What will the merger of the SF 254 and the SF 255 into the new SF 330 mean to you and your company when doing business with the federal government? This web seminar will provide you with information to ensure your firm has an edge using the new form. Our panel of experts is made up of key federal procurement officers and design professionals who have important observations and insights to share with you on how this change in the federal procurement process may affect your firm's bottom line.

Registration: \$149 per site, which includes one audio and one Internet connection. Invite as many colleagues to participate in the seminar as you can accommodate. Each site will receive a copy of the presentation, handout materials, and an opportunity to dialog with the presenters via conference messaging.

Sponsoring Organizations: National Society of Professional Engineers and the Committee on Federal Procurement of Architectural and Engineering Services (COFPAES)

Seminar Panel:

Don Evick, PE
U.S. Army Corps of Engineers
Government lead on the new SF 330 form

Tom Williams, AIA
Public Buildings Service

To Register: Contact Mary Maul, NSPE Senior Manager of Education at mmaul@nspe.org or at (703) 684-2833.

NSPE HAWAII CONVENTION 2004: MAKE YOUR TRAVEL PLANS TODAY

If you are planning to attend the NSPE Convention (July 8-10) in Hawaii, be sure to register online and purchase all your event tickets online **by June 30**. After June 30 there will be no registration until on-site registration opens July 7 at noon.

NSPE Convention attendees are advised that the Polynesian Cultural Center Tour (www.polynesia.com) and the tours of the *U.S.S. Arizona* Memorial and the *U.S.S. Missouri* are filling up fast. If you haven't signed up already, please do so as soon as possible. Attendees are also reminded that registration for the luau at Hale Koa closes on June 30, and tickets will not be available for purchase on site.

STANFORD ENGINEERING AND SCIENCE INSTITUTE 2004

Join your colleagues at Stanford for an exploration of cutting-edge topics at the intersection of Stanford research and industry practice, with presentations by renowned Stanford University faculty and leading industry experts. Register for one or more five-day programs, or for individual days that match your interests.

July 26 - 30 *Nanoscience and Nanotechnology*

August 2 - 6 *Semiconductor Integrated Circuit Design and Applications*

August 2 - 6 *Semiconductor Devices and Manufacturing Technology*

August 23 - 27 *New Electronic Materials for Extending Moore's Law*

Register by June 25 to receive the early registration discount. CEUs are available. For more information, call (650) 723-9041 or go to <http://proed.stanford.edu/redir.asp?K9>.

STUDENT & YOUTH**2004 MATHCOUNTS NATIONAL CHAMPIONS MEET PRESIDENT BUSH IN THE WHITE HOUSE**

May 18, 2004

Washington, D.C.- Less than two weeks after the 2004 MATHCOUNTS National Competition, the National Champions returned to the nation's capital for a congratulatory White House meeting with President George W. Bush on Tuesday, May 18. This honor caps off a spectacular MATHCOUNTS experience for each of these students.

The nation's 228 most talented middle school mathematicians gathered in Washington, D.C. on May 7 for the 2004 MATHCOUNTS National Competition. The winning Mathletes® earned scholarships, trophies and other awards for their performance. In addition, they and other competitors were featured in an ESPN2 broadcast of this exciting event on June 3. This hour-long TV program focused on the drama of the Countdown Round, an intense, one-on-one oral competition between the top 12 students to determine the National Champion.

Individual Winners

National Champion: Greg Gauthier (Monroe Middle School: Wheaton, IL)

Coach Steven Ondes (Liberty Middle School: Stauton, IL)

Second Place: Jeffrey Chen (College Station Middle School: College Station, TX)

Coach Rachel Schlutz (Sartartia Middle School: Katy, TX)

Winning Team (Illinois)

- **Greg Gauthier** (Monroe Middle School: Wheaton, IL)
- **Jennifer Iglesias** (Jefferson Middle School: Aurora, IL)
- **Zach Nahlik** (Liberty Middle School: Glen Carbon, IL)
- **Alex Zhai** (University Laboratory High School: Champaign, IL)
- **Coach Steven Ondes** (Liberty Middle School: Staunton, IL)

Celebrating its 21st anniversary, MATHCOUNTS is a national math enrichment, coaching and competition program open to all 6th, 7th, and 8th grade students. Each year, MATHCOUNTS develops an entirely new *MATHCOUNTS School Handbook*, meeting National Council of Teachers of Mathematics (NCTM) standards for 7th and 8th grades, and provides a complimentary copy to middle schools nationwide. Since 1983, more than 6 million students have participated in MATHCOUNTS. The 228 Mathletes who competed in the National Competition represent more than 500,000 students across the country exposed to MATHCOUNTS this year.

MATHCOUNTS brings together educators, youth, industry sponsors and volunteers. More than 17,000 volunteers from the business and education communities annually organize and conduct the program in communities nationwide. Local and state competitions are coordinated through the leadership of state and local chapters of the National Society of Professional Engineers.

MATHCOUNTS' Founding Sponsors are the CNA Foundation, the National Society of Professional Engineers and the National Council of Teachers of Mathematics. National Sponsors also include the General Motors Foundation, Lockheed Martin, National Aeronautics and Space Administration, Texas Instruments Incorporated and 3M Foundation.

For additional information on National MATHCOUNTS, please visit www.mathcounts.org. For information on the California program, visit www.mathcounts-ca.org.

Many thanks to Lockheed Martin for a special donation to cover the travel costs of making this White House visit possible for our winners and coaches!

CHAPTER NEWS

To find out more about local chapter events, please visit your chapter web page.

- **Golden Gate Chapter** (01)- <http://www.cspe.com/chapters/goldengate.htm>
- **Santa Clara Valley Chapter** (06)- <http://www.cspe.com/chapters/santaclara.htm>
- **San Joaquin Valley Chapter** (08)- <http://www.cspe.com/chapters/sanjoaquin.htm>
- **San Diego Chapter** (13)- <http://www.cspe.com/chapters/sandiego.htm>
- **Diablo Chapter** (18)- <http://www.cspe.com/chapters/diablo.htm>
- **Monterey Bay Chapter** (25)- <http://www.cspe.com/chapters/monterey.htm>
- **Santa Barbara/Ventura Chapter** (34)- <http://www.cspe.com/chapters/santabarbara.htm>
- **Southern Chapters Council** (60)- <http://www.cspe.com/chapters/scc.htm>

NEW MEMBERS

We would like to welcome our new members to CSPE!

- **Greg Banks**- *Diablo Chapter*
- **Daniel Bridgett, P.E.**- *San Diego Chapter*
- **Everett Butcher, P.E.**- *SCC*
- **William Cornils, P.E.**- *Diablo Chapter*
- **Nishma Dorhi**- *Student Chapter*
- **Gregory Holmes**- *Student Chapter*
- **Harold Hougham, P.E.**- *Virtual Chapter*
- **Friedrick Huizenga**- *Student Chapter*
- **Jaeden Hutchison**- *Santa Clara Chapter*
- **Sam Karian, P.E.**- *Santa Clara Chapter*
- **Carlo Lazo**- *Student Chapter*
- **Luis Lopez**- *Virtual Chapter*
- **Rick Perotta**- *Student Chapter*
- **Ian Popov, P.E.**- *SCC*
- **Sarah Rollings, P.E.**- *San Diego*
- **Kent Stephan, P.E.**- *Santa Clara Chapter*
- **Man Wong**- *Virtual Chapter*

CSPE SUPPORTING ORGANIZATIONS

CSPE would like to welcome its newest Supporting Organization, **JRN Civil Engineers**. **JRN Civil Engineers** is located in San Clemente, and offer ALTA/ASCM Land Surveys.

- ✚ Architectural Staffing, Inc. – www.architecturalstaffing.com
- ✚ Asian Neighborhood Design – www.andnet.org
- ✚ Barnum Timber Company
- ✚ Bert L. Howe & Associates, Inc. – www.berthowe.com
- ✚ Blaine Tech Services, Inc. – www.blainetech.com
- ✚ Blase Surveying, Inc.
- ✚ Bohlin, Cywinski, & Jackson – www.bcj.com
- ✚ California Waterfowl Association – www.calwaterfowl.org
- ✚ Cascade Design
- ✚ Cogeneration Design Group – www.cogenesis.net
- ✚ ConQuip, Inc. – www.conquip.com
- ✚ Conservation Biology Institute – www.consbio.org
- ✚ Controlled Directional, Inc.
- ✚ Cordoba Corporation- www.cordobacorp.com
- ✚ Crumbs Engineering, Inc.
- ✚ Design for Health Environmental Services
- ✚ Elkhorn Slough Foundation – www.elkhornslough.org/esf.htm
- ✚ Facility Supervision Company, Inc.
- ✚ Ford Construction Company, Inc.
- ✚ Gafcon
- ✚ Garcia & Associates – www.garciaandassociates.com
- ✚ GEO Drilling Fluids, Inc. – www.geodf.com
- ✚ Geopacifica, Inc.
- ✚ H.T. Harvey & Associates – www.harveyecology.com
- ✚ Hannum Associates
- ✚ Hatch Brothers, Inc. – www.hatchdesign.com
- ✚ Heschong Mahone Group
- ✚ Impact Sciences, Inc.
- ✚ Jennings -Ackerley – www.jasf.net
- ✚ JRN Civil Engineers
- ✚ KPFF Consulting Engineers – www.kpff.com
- ✚ Langdon-Wilson Architecture Planning – www.langdonwilson.com
- ✚ Miro Design Group
- ✚ Morphosis Architects
- ✚ Multiple Use Managers
- ✚ Office Express, Inc. – www.officeexpress.com
- ✚ Pacific Southwest Biological Services
- ✚ Pax Scientific, Inc. – www.paxscientific.com
- ✚ Principal Resource Group – www.prgnc.com
- ✚ Redwood Computer, Inc. – www.redwoodcomputer.com
- ✚ Professional Practice Insurance Brokers - www.ppib.hrh.com
- ✚ Redwood Computer, Inc. – www.redwoodcomputer.com
- ✚ RL Wells & Associates, Inc.
- ✚ Royston Hanamoto Alley & Abey – www.rhaa.com
- ✚ SCEC – www.airexperts.com
- ✚ State Compensation Insurance Fund – www.scif.com
- ✚ The Source Group, Inc. – www.thesourcegroup.net
- ✚ Thomas Reid Associates – www.traenviro.com
- ✚ Van Meter Williams Pollack, LLP – www.vmwpl.com
- ✚ Varanus Biological Services, Inc.