### INSIDE THIS ISSUE...

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ISA Supports SB246</td>
</tr>
<tr>
<td>2</td>
<td>President’s Message</td>
</tr>
<tr>
<td>3</td>
<td>DVP: The World is Getting Flatter: Reinvent Yourself</td>
</tr>
<tr>
<td>4</td>
<td>Training: Measurement &amp; Control Fundamentals</td>
</tr>
<tr>
<td></td>
<td>Industry News</td>
</tr>
<tr>
<td>5</td>
<td>Tom Stout: SB246 Update</td>
</tr>
<tr>
<td>6</td>
<td>President’s Fall Meeting</td>
</tr>
<tr>
<td>7</td>
<td>ISAEXPO: Manufacturing and Controls Security</td>
</tr>
<tr>
<td></td>
<td>ISAEXPO: Conference Schedules, Registration</td>
</tr>
<tr>
<td>8</td>
<td>Local Section Meetings</td>
</tr>
<tr>
<td>9</td>
<td>Regional Events</td>
</tr>
<tr>
<td>10</td>
<td>Standards and Practices</td>
</tr>
<tr>
<td>11</td>
<td>ISA’s Busy Summer</td>
</tr>
<tr>
<td>14</td>
<td>Job Shop</td>
</tr>
<tr>
<td>15</td>
<td>Obituary</td>
</tr>
</tbody>
</table>

---

### Non-contact infrared temperature measurement

Non-contact infrared sensors help improve and maintain product quality and provide the data needed to optimize throughput and minimize downtime. Frank Schneider from Raytek, Inc., will discuss this emerging technology as well as how it can be used on the factory floor.

This discussion highlights the various technical developments of Infrared Technology to solve/improve operational problems in automation. This presentation will cover the principles of non-contacting infrared temperature measurement; making sense of smart infrared temperature sensors; selecting the right sensor for your application.

Frank Schneider is the International Product Manager for Raytek Automation Division located in Santa Cruz, California. Frank melds together the software and hardware development activities of the U.S., Germany, and other locations of Raytek’s development efforts in Infrared Technology. He can be reached at (800) 227-8074 or frank.schneider@raytek.com.

**Date:** Wednesday, Sept. 14

**Time:** 5:00 Social Hour; 5:45 Program

**Place:** JT Schmid’s, 2610 Katella Ave, Anaheim

**Cost:** No charge for appetizers

**RSVP:** Sarah Sheldon at sarah.sheldon@fluor.com or (949) 349-8750.

---

### PE License News

**ISA supports SB246**

Editor’s note: The following letter was received after the August issue had already gone to press. This letter in PDF format and other information regarding SB246 can be found at www.sb246.us.

**28 July 2005**

Assembly Member Gloria Negrete McLeod
Chair, Assembly Business & Professions Committee
California State Assembly
State Capitol
P.O. Box 942849
Sacramento, CA 94249-0061

Dear Assemblywoman McLeod:

We are writing you to request your support for SB246 as amended on June 20. ISA is an international professional society with about 30,000 members, 20,333 in the United States and 1,888 in California, serving practitioners in the fields of instrumentation, control and automation.

Continued on page 12

---

“What’s right about America is that although we have a mess of problems, we have great capacity - intellect and resources - to do something about them.”

-- Henry Ford II
President’s message

By John Querido, Section President

Hope you all had a fun and exciting summer. I managed to go sailing a lot. There’s something about being away from everything out there on the ocean that refreshes the spirit, especially when we have a good breeze. And often I get to indulge in my favorite hobby and take pictures of other vessels, kite surfers, etc. Makes one thankful to live in Southern California, where we can get out there year round.

But now let’s get back to my other passion, dear old ISA. It gives me great pleasure to welcome the following new members to our section: Jaime Cervantes, Frank Dagerman, Stephen Foglio, Raymond Genato, Blanca Mezdez, Niranjana Nagereddy and James Reid.

Welcome aboard the Orange County Section. We look forward to seeing you at our monthly meetings. New members add continuity and new ideas to our section and our society. We invite you to participate as a member and as a potential new leader. Your participation will enhance ISA and your career in the field of instrumentation, systems and automation. If you aspire to management, a leadership role in ISA will hone your skills in working with others to achieve common goals. Please contact me or any member of our board to find out how you can help us.

We had a good turnout at our July meeting and the comments from the audience indicated we picked the right technical topic and speakers that presented it well. We think you will benefit by attending our September meeting when the topic of non contact temperature measurement will be presented. Hope to see you there.

John

The monthly ISA Section Newsletters and annual Regional Membership Directory and Buyers’ Guide are mailed to all ISA section members in Southern California, Southern Nevada and to ISA student affiliates at Cal Poly Pomona, Cal State Fullerton and Long Beach State. Newsletters include the South San Joaquin Valley Alarm, Los Angeles Annunciator, Orange County Chart, San Diego Signal and Las Vegas Experience. Changes of address can only be processed by ISA by at (919) 549-8411 or www.isa.org. For editorial submissions and feedback, please contact the newsletter editor.

The monthly ISA Section Newsletters and annual Regional Membership Directory and Buyers’ Guide are mailed to all ISA section members in Southern California and Southern Nevada and to ISA student affiliates at Cal Poly Pomona, Cal State Fullerton and Long Beach State. Newsletters include the South San Joaquin Valley Alarm, Los Angeles Annunciator, Orange County Chart, San Diego Signal and Las Vegas Experience. Changes of address can only be processed by ISA by at (919) 549-8411 or www.isa.org. For editorial submissions and feedback, please contact the newsletter editor.

Copyright (C) 2004 TechPubs Communications, All Rights Reserved.
The World is getting flatter – so re-invent yourself!

Recently I was listening to a radio interview of Thomas Friedman, NY Times journalist and author of “The World Is Flat”, wherein he reinforced that there are billions of people in India and China waiting to take away our livelihood or at the least trying to raise their standard of living which effectively can mean giving up our standard of living.

Friedman made a very poignant statement that is still resonating in my mind. He remarked that growing up in the 60’s, his parents used to tell him to finish his dinner because the kids in India and China were starving. While today, he has to warn his kids to finish their homework because the kids in India and China want their jobs. Even though his remark was for the next generation, I think our present generation has already started to see the erosion of their lifestyle because of the outsourcing epidemic.

The only way to protect this lifestyle will be to keep on sharpening our skill sets. ISA has teamed up with two universities to offer ISA Distant Masters Program in Electronics, Instrumentation and Controls. Today, I am aware of two universities that are offering this program – Indiana State University and Oklahoma State University. Both of these universities have sought help from ISA in coming up with the right curriculum required for a successful career for a mid level professional. The universities have appointed a professor who acts as a liaison between the university and the ISA initiatives.

The professors responsible for creating the curriculum for this degree program have indicated that they create video taped lecture, accept faxed homework, provide self paced workbooks etc. to assist the students in their quest for knowledge. There is no scheduled time period to finish the classes or assignment, but they do like to maintain the semester schedules. However, they realize that almost all of their students are fully employed professionals hence, many times work related activities will take priority.

Both of these programs are very popular with ISA professionals. Enrollment in both of these programs is approaching 50. Many of the professionals enrolled are from systems integrators, A&E companies and end users. The tuition fees for these programs is approaching $500/credit hour for out of state students. Just like any masters program, this program will require completing between 30-33 credit hours contingent upon your accredited Bachelor’s degree in Engineering. Typical duration with full load is 2 years. The curriculum typically is handled by the School of Chemical Engineering and includes courses in Advanced Process Controls; Signal processing, Modeling, Systems and Controls etc.

I am convinced that in this flatter world innovative learning systems will have to be employed to keep the skills current and marketable. I hope you will consider ISA as your partner in this journey.

Raj Adani, Vice President- ISA District 11
Raj.adani@member.isa.org
Professional Development

Overview of Measurement and Control Fundamentals

Las Vegas — The Measurement and Control Fundamentals seminar will be held October 5, 8am-4pm, at the River Mountains Treatment Plant, 1350 Richard Bunker Ave, Henderson, NV. The seminar being presented by the ISA Las Vegas Section and the ISA Training Institute. Continuing education units of 0.7 will be awarded.

This seminar overviews industrial measurement and control using a generally non-mathematical approach with the result being able to communicate with other control system professionals.

Measurement & Control, continued on page 6

Industry News

NuFlo appoints Patten Systems

by Gary Delander, Regional Sales Manager


Huntington Beach, July 15, 2005 — NuFlo Measurement Systems is pleased to announce that Patten Systems Inc. has been appointed as an authorized distributor of their products in the Southern California and Southern Nevada territories.

NuFlo Measurement Systems designs, manufactures and distributes measurement and control instrumentation for the global oil & gas and process control industries. A division of NuFlo Technologies Inc., the company was established in 2003 as a result of the acquisition and merger of three well-known and well-respected companies: Barton Instrument Systems, Halliburton Measurement Systems and PMC Global Industries. NuFlo Measurement Systems is a wholly owned business unit of Cooper Cameron Corporation.

NuFlo Measurement Systems Manufactured Products in this agreement include but are not limited to:

- Turbine Meters and Totalizers, Including the MC-II Line of Flow Analyzers
- The Barton Instruments Line of Chart Recorders, DPU Products and Scanner Flow Computers
- Clif Mock True Cut Sampling Equipment
- Senior and Single Chamber Orifice Fittings, Meter Tubes and Orifice Plates
- Pilot Operated Safety Relief Valves
- Floco Positive Displacement Meters

Patten Systems Inc is a well-established manufacturer’s representative and distributor specializing in process control and industrial instrumentation. Patten Systems may be reached at 15201 Springdale Street, Huntington Beach, CA 92649; (714) 799 5656. Please see Patten Systems’ display ad in the newsletter next month.

Who said being ‘square’ is a bad thing?

Tescom’s NA-3 automatic changeover system is constructed in a ‘Block’ type design, providing continuous gas pressure management while greatly reducing potential leak paths.

Other advantages:
- Purge valves allow purging before and after cylinder change
- Includes outlet pressure gauge and shutoff valve. Separate inlet gauges monitor both inlet supplies
- 3,000 psi maximum inlet. Choice of 0-100 or 0-200 psi outlet
- Cylinder hook-ups, solenoids, alarms, pressure switches, etc., are available accessories

There’s nothing ‘square’ about it.

Northern California
Dennis Post 408-370-3649
dpost@tescom.com

Southern California
Steve Manuel 714-672-9097
smanual@tescom.com

The Engineered Solutions COMpany

High Flow
High Pressure
Bracket included
Low Flow

ISA—The Instrumentation, Systems, and Automation Society
Bill to revise Engineer’s Act stalled in committee

by Tom Stout, P.E.

August 23, 2005 — Senate Bill 246, a bill now pending in the California legislature that would revise the state’s licensing law for engineers, is now stalled in the Assembly Business and Professions Committee. Action is unlikely before January or February 2005, according to followers of legislative activity.

SB 246 is the outgrowth of years of discussion, studies by an independent contractor and a task force of the PE Board. Intended to correct problems with the existing law, the bill was introduced by Senator Liz Figueroa, Chair of the Joint Committee on Business, Professions and Consumer Protection, and easily cleared her committee.

The bill failed to gain approval at its initial appearance in the Assembly B&P Committee. To keep it alive for this legislative session, it was converted to an “urgency bill” by its backers; as a result, it can be reconsidered in the Assembly and will require a two-thirds vote for its eventual passage.

Key features of SB 246, as presently written, include:

- Converting six branches (chemical, control systems, fire protection, nuclear, petroleum and traffic) from “title” to “practice” status; dropping three other branches (agricultural, industrial and metallurgical);
- Moving definitions of the new practice branches from the Board’s regulations to the law;
- Moving Rule 415 (practice only within one’s field of competence) from regulations to the law;
- Allowing overlaps between branches and allowing any licensed engineer to assume responsibility for projects where he is competent to do so;
- Barring local agencies from imposing limits on licensed engineers’ ability to practice for the agency;
- Making a number of housekeeping changes, such as replacing “registered” by “licensed”, the preferred term nowadays, wherever it occurs.

The bill ends a long-standing two-tier system of licensing which serves no useful purpose, and it brings California’s law into closer conformity with the laws in other states, thus promoting cross-border practice.

Supporters of SB 246 are observing big-time politics in operation: conflicts with special-interest groups, lobbyists in action, erroneous and self-serving arguments against the bill, and so forth. For example, opponents say:

SB 246 will allow engineers in the new practice branches to practice civil, electrical and mechanical engineering without demonstrating their
President’s Fall Meeting

July 20, 2005 — The 2005 President’s Fall Meeting will be held in conjunction with ISA EXPO 2005 in Chicago, October 22-25 this year.

Chicago, “The City that Works,” is ranked as the most visited U.S. destination for business travelers for the past several years, with almost 7 million group meeting visitors coming to the city in past years.

Most governance meetings will be held at the Hyatt Regency Chicago Downtown located on Wacker Drive; however, a few meetings will take place at McCormick Place Lakeside Center (site of ISA EXPO 2005). A detailed meeting schedule is now available online. Be sure to check the schedule periodically for updates and changes.

You will need to make your hotel reservations by 28 September 2005 in order to get ISA group rates.

I hope to see you in Chicago!

Jessica Brainos is Administrative Assistant at ISA, and can be reached at (919) 549-8411 or by email at jbrainos@isa.org.

Measurement & Control, continued on page 14

Con

The instructor, Wiley Montana, is a graduate of Auburn University and has worked for NASA at George C. Marshall Space Flight Center, primarily in support of rocket testing for the Saturn IB and the Saturn V programs. More recently he was Superintendent of Instrument Services at Dow Chemical until his retirement in 1995. Wiley is a Senior member of ISA and a charter member of the Brazos Section, Brazosport, TX, and can be reached at wmontana@computron.net.

Objectives of the seminar are to enable attendees the following: Improve their communication with measurement and control specialists; Understand the role of measurement and control in industrial processes; Compare continuous and batch control; Survey the methods and devices used in flow, level, pressure, temperature, and...
**ISAEXPO 2005**

**Introduction to manufacturing and controls security**

Each month from now until October, one of the keynote speakers or events scheduled at ISAEXPO 2005 will be highlighted in the newsletter. On Tuesday, October 25, Evan Hand, Electrical CFL Leader, Kraft Foods Inc. will lead this special forum.

Virus, worms and other threats are attacking controls systems world wide at an increasing rate. This presentation and panel discussion will highlight what industry is doing to improve the reliability and security of manufacturing and control systems in this time of increasing attacks. The session will introduce attendees to key principles behind security, highlight what ISA SP99 and other industry efforts are doing to address the issues, and cover industrial trends as it relates to control system security. Panelists from major securities efforts and from companies in key industrial sectors will be available to answer questions from the audience.

For more about ISA EXPO 2005 schedule and events, see www.isa.org/isaexpo2005.

ISAEXPO 2005 will be held October 25-27 at McCormick Place in Chicago. Over 14,500 attended ISA EXPO 2004. Copyright 2005 ISA. All rights reserved.

---

**ISAEXPO 2005**

**Conference schedules, registration online**

at www.isa.org/isaexpo2005

by Jennifer Infantino

August 22, 2005 — ISA EXPO 2005 is right around the corner! If you haven’t done so already, log on to www.isa.org/isaexpo2005 for details on North America’s #1 event for automation and control professionals. Journalists and analysts are encouraged to attend and participate in ISA EXPO 2005 events.

ISA EXPO 2005 will feature the latest and most extensive products and services exhibition, a strategically relevant technical conference, and a prominent continuing education and training program. With practitioners from over 70 countries, ISA EXPO 2005 offers the most complete automation and control experience in today’s marketplace.

The online press room is your information source for covering ISA EXPO 2005. Log onto www.isa.org/isaexpo2005/pressroom today and check out all of the resources available to you - registration forms, press conference schedules, ISA press releases, exhibitor press releases, and more.

If you have any questions, please feel free to contact me directly.

Jennifer A. Infantino is with Media Relations - ISA EXPO 2005, and can be reached at (919) 990-9287 or jinfantino@isa.org. ISA EXPO 2005 Conference, Training, and Exhibition is being held in Chicago October 25-27, 2005. For more information please see www.isa.org/isaexpo2005.

---

**DAHL-VAUGHN, Inc.**

Engineering Representatives Veteran Owned Small Business

Phone: (866) 720-2167  
FAX: (866) 720-2168

Astro Pak, Corp.  
Beta LaserMike  
Dytran Instruments, Inc.  
Flow Safe, Inc.  
Kokusai Chart Corp.  
Oros, Inc.  
Pacific Instruments, Inc.  
Precision Digital  
Pressure Products Co., Inc.  
Sensor Tec, Inc.  
Specialty Hose Corp.  
Sponsler, Inc.  
Stellar Technologies, Inc.

Clean Room services (LOX Cleaning), Custom High Pressure Control Panels.  
Industrial Non-Contact Speed, Length measurement.  
Dynamic Pressure, Force and Acceleration transducers  
Soft Seated Pressure Relief Valves from 15 to 9612 psig. ASME Sect. VIII  
Chart paper and pens for use with most brands of recorders and data loggers.  
Real Time FFT Analyzer from 2 to 64 channels.  
Data Acquisition, Signal Conditioning Packages.  
Digital Panel Meters – Panel mount, NEMA enclosure or Ex Proof  
Sight Glasses, Sight Flow Indicators, Liquid Level Gages.  
Thermocouple and RTD Probes, Thermocouple wire.  
Metal, Teflon and Rubber Hose assemblies -- FAA Certified  
Turbine meters for liquid or Gas  
Static Pressure transducers from 1 to 100,000 psi.
Non-contact infrared temperature measurement. Non-contact infrared sensors help improve and maintain product quality and provide the data needed to optimize throughput and minimize downtime. Frank Schneider from Raytek, Inc., will discuss this emerging technology as well as how it can be used on the factory floor and selecting the right sensor for your application. Social hour at 5:00; program at 5:45. Meeting place: JT Schmid’s, 2610 Katella Ave, Anaheim. Appetizers served at no charge to attendees. Please RSVP to Sarah Sheldon at sarah.sheldon@fluor.com or (949) 349-8750. Website: www.isa.org/~oranc.

Los Angeles Tuesday, Sept. 20
President - Tom Barker, barkerjt@earthlink.net, (909) 394-8914

Benefits of the CSIA Registered Members’ Program. Control System Integrators Association board member and Bay-Tech Engineering founder, Dennis Mosher, will present the history and details of the Best Practices and the Registration Program of CSIA, a national organization of control system integrators which has an ongoing relationship with ISA. Networking at 5:00p.m; program at 5:30p.m at Southern California Gas Company’s Energy Resource Center, 9240 E. Firestone Blvd., Downey. This event is FREE to all, but please RSVP to Royce Miller at roycemiller@bristolbabcock.com or (909) 923-8488. Website: www.isala.org.

Las Vegas Thursday, Sept. 22
President - Mike Bridenberg, bridenmt@nv.doe.gov, (702) 295-3669

Dinner and Tour of UNLV’s Howard Hughes College of Engineering. Important note about parking: Because of all the construction, there is a severe parking space shortage and all cars parked without displaying this pass will be ticketed or towed! So all coming to the tour and dinner must contact Caleen Norrod Johnson, UNLV, at (702) 895-2913 or caleen.johnson@ccmail.nevada.edu no later than Sept 14 so parking does not become an issue. The event is FREE to all members and $10 for non-members who RSVP before 9/16. This event is only FREE to all members who RSVP before 9/14. Website: www.isa.org/community/sandi.

Section Meetings, continued on next page
Regional events

Regional events

Dates are subject to change. Always contact the sponsoring party before making your final plans to attend. To include an event or make a correction, please contact the editor.

Sept 20
Renewable Energy Overview
Los Angeles, Cost $650
www.enerdynamics.com

Sept. 19-21
North American Thermal Analysis Society Conference
Universal City, CA
www.natasinfo.org

October 5
Fundamentals of Measurement and Control - Las Vegas Section
Henderson, NV
www.isa.org/~lasve

October 8
Certification Exams (CA)
CAP CIMM CCST Levels I, II, III
www.isa.org/cap Cal Poly Pomona

October 16-18
N Amer Forest Prod Conf
San Diego, (781) 734-8936
www.paperloop.com

October 16-25
National Chemistry Week
Sponsored by American Chemical Society; www.chemistry.org

October 24-27
ISA EXPO 2005
Chicago, Illinois
www.isa.org/isaeexpo2005

October 28
Calif PE Examination in Control Systems Engg
Links to State website are at www.techpubs.net/seminars.html

October 28
Application Deadline for Exams (CA); CAP, CIMM, CCST
Levels I, II, III; www.isa.org/cap

Nov 2-3
Efficiency and Demand Response Technol for Utilities
Irwindale, $590; www.aesp.org

Nov 16
Educational Extravaganza (JIC)
American Waterworks Assoc
Las Vegas; www.ca-nv.awwa.org

December 10
Certification Exams (CA)
CAP, CIMM, CCST Levels I, II, III; www.isa.org/cap; Cal Poly

February 27 - Mar 3, 2006
Measurement Science Conf.
“Science, Technol, Control of Measurements”; Anaheim
www.msc-conf.com

April 2-6, 2006
ISA Analysis Division Conf.
Anaheim. For info, contact Ken Konrad, kenk@intekcorp.cc

May 1-3, 2006
ISA Automation West 2006
Long Beach; www.isa.org/autowest

Section Meetings, continued from p. 8

that your parking pass and meeting details can be mailed to you. UNLV is one of the fastest growing US universities; the College of Engineering offers degrees through the Departments of Aerospace Studies, Computer Science, Civil & Environmental Engg, Electrical and Computer Engg, and Mechanical Engg. New programs include Biomedical Engg, Materials and Nuclear Engg, and Entertainment Engg. Website: www.isa.org/~lasve.

Section Meetings, continued on p. 10
Stand out from the crowd. Be an ISA leader.

“A good part of the year a large flock of ducks reside in the creek area behind my office. For quite a while a white domestic duck lives with them,” says photographer, John C. Querido, P.E.

Standards & Practices S&P Progress
by Paul Bodeau, Why Not Engineering

This is a follow up to last months Standards and Practices (S&P) article. I plan to write an article each month on S&P news and activities as I become connected with the latest ISA S&P activities and report them to the membership. This could be presented to the membership in the newsletter.

After researching the ISA Headquarters S&P process requirements, I am now translating these requirements into procedures. I have a lot of experience with this kind of thing. If being bureaucratic is a requirement, I can definitely step up to that challenge.

At this time, the standards and practices procedures are well under development. I plan to have preliminary S&P procedures completed in September. After review and changes, I intend to publish the S&P process on the ISA Los Angeles website at www.isala.org. When these procedures are published on the website, please feel free to share your comments about them with me. A future article will give directions to the S&P procedures on the website.

Also, there is a new committee on Human Machine Interface (HMI) starting up. Is anyone interested in working on this committee? Also, ISA is looking into the feasibility of a new program to document compliance with specific ISA standards. I am looking more into this now and hope that if you are interested in participating in this or interested in learning more about S&P, that you will contact me.

Paul Bodeau is Standards and Practices Chair with the Los Angeles Section of ISA. He can be reached at (661) 260-1210 or by email at pbodeau@whynotengineering.com.
ISALA ends another a picture perfect summer

August was a busy month for the Los Angeles Section. Continuing in August was the the PE Review Course, followed by a presentation by Tom Stout on the future of the CSE PE license in California, a program on PC-based automation by Jeffrey Fisher of Entivity Software and finally the 2nd Annual Cal Poly Beach BBQ and Bon Fire. Many more photos at www.isala.org.

PRIME Measurement West

Exclusive Master Distributor for Universal Flow Monitors products in the greater Southern California and Nevada areas.

Representing the entire line of UFM products — specialized metering solutions for a variety of industrial applications:

- Vortex Shedding Meters
- Variable Area Flowmeters
- Vane/Piston Meters
- Plastic Meters
- Mag Probes & Insertion Mag Meters
- Paddlewheel Flowmeters
- Mass Gas Flowmeters
- Flow Computers
- Gun Drilling Coolant Flowmeters
- Water Shutoff Valves and Flowmeters

PRIME Measurement West - Sales Offices

Bakersfield
4450 California Ave., Suite K
Bakersfield, CA 93309
Tel.: (661) 872-7707
Fax: (661) 672-8812

Corporate
900 S. Turnbull Canyon Rd.
City of Industry, CA 91745
Tel.: (626) 336-4502
Fax: (626) 966-8907

San Diego
1611-A So. Melrose Dr., Suite 363
Vista, CA 92081
Tel.: (760) 598-8332
Fax: (760) 598-8342
ISA supports Senate Bill S.B. 246, continued from front page

ISA has been the official supporting society for the Control System Engineering (CSE) examination since it received national recognition from NCEES (National Council of Examiners for Engineering and Surveying). A committee of practicing CSEs, composed largely of ISA members, has assisted with writing and scoring of the examination since 1992. Through this association, we have been informed of trends in engineering licensing in the United States and its individual states.

California has been noted for its unique approach to licensing which uses a combination of “practice” and “title” branches of engineering. Historical in origin, the purposes or advantages of this system have not been clearly explained. In fact, this system has been the subject of debate over the past twenty-five years. SB246 provides a means for ending this debate and, in our opinion, deserves to be passed by the California Legislature.

SB246 will:
· Eliminate the two-tier system of licensing by converting six title branches — including control system engineering — from “title” to “practice” status.
· Move Rule 415, requiring all engineers to practice only in the fields in which they are competent and proficient by education and experience, into the PE Act, thus giving it added emphasis.
· Allow all licensed engineers to practice in areas of incidental “overlaps” with other engineering disciplines in their work and to assume responsible charge of projects where they are competent to do so.
· Eliminate confusion about the meaning of “practice” and “title” branches, their rights and duties, leading to a better-informed public and profession, and allowing a more uniform approach to disciplinary actions which can focus more on competence and less on “turf” boundaries.
· Facilitate comity licensing between states by making California’s licensing system more, rather than less, similar to the systems in other states.

We hope you will lend your support to this worthwhile piece of legislation. Please share this letter with your committee members.

Sincerely,
Donald W. Zee
President
cc: Senator Liz Figueroa, Chair, Joint Committee on Boards, Commissions and Consumer Protection
capability to so. [This works both ways: SB246 will allow CEs, EEs, and MEs to work in the new practice branches without demonstrating their qualifications.]

Many engineers in the title branches have never been tested. [This is a reference to grandfathering that took place in the 1970s; the “grandfathers” of that period met Board requirements and are now retiring or otherwise leaving the profession.]

Support letters still needed!

The legislative waters have been muddied by a proposal from the Governor’s office to combining the engineering and geology licensing boards. This idea, which has its own pro and con arguments, is not currently part of SB 246.

Lobbyists working in behalf of SB246 are confident about its eventual passage. They predicted that no testimony and no vote would occur at an Assembly B&P Committee meeting on August 23. However, they suggest that Assembly members need some time to study the bill and become more comfortable with its provisions.

Letters of support for SB 246 are still useful and should be directed particularly to Assembly members, especially those on the B&P Committee. Letters from employers of CSEs and other title-branch engineers will be very helpful. Suggestions on letter content and information on addresses can be found at www.sb246.us.

Tom Stout, P.E., can be reached at 9927 Hallack Avenue Northridge, CA 91324-1120; (818) 349-6738 or by email at tomstoutpe@earthlink.net.
Entry Level and Experienced Field Service Instrument Techs. Outstanding long-term opportunity to work with the premier analyzer field service organization in Southern California. The successful candidates will maintain, calibrate, troubleshoot and install analytical instrumentation systems, primarily in Los Angeles County. No overnight travel. Will interface with operators and technicians, use OEM technical manuals and telephone support to solve field problems. High school diploma or GED and a basic understanding of mathematics, ability to read and interpret electrical schematics and flow diagrams. Dependability, adaptability, flexibility, problem solving ability, good communication skills and the ability to work independently are essential to success. Power utilities, refinery or manufacturing experience and computer skills a plus but not required. Benefits include group medical insurance, paid vacation, paid holidays, credit union and educational and mileage reimbursement. Compensation dependent on relevant experience and demonstrated skills. Replies held in strict confidence. Senior level personnel encouraged to apply. EOE. Mail resume to Instrument Tech 0508, e/o TechPubs Communications, PO Box 1605, Costa Mesa, CA 92628.

Jobs Wanted: Do you need intern water quality personnel? The Water Utility Science program at Santiago Canyon College in the city of Orange, CA has students who would be great assistance in your water program. If you have technical positions and plan to use new people to assist in operating your system, then try our students in helping perform the needed duties. Contact Dr. Jim Gates at gates_jim@sccollege.edu or Tricia Evans, Career Education Programs Dean, at evans_tricia@sccollege.edu.

Control Systems Integration Team Member. Central Automation has a full time position for individual with 3 plus years experience in developing industrial control applications, familiarity with OSI Pi, Iconics Genesis32, Wonderware Intouch, RSView32 and RSView SE is a huge plus, but not necessary. Requirements: PLC programming, HMI configuration, electrical controls design, good in front of customers, able to work in both a team environment and independently. $60-70K annual salary plus benefits. Send resume to Service@CentralAutomate.com or fax to (661) 387-0698. Feel free to call (661) 243-7379 to discuss the job opening.

CEMS & Process Analyzer Technicians. APG Analyzer Systems is seeking two experienced analyzer technicians to perform routine field service, troubleshooting and minor modifications on analyzer systems throughout Southern California. These are positions for hands-on technicians – not engineering or managerial. Will use schematics and flow diagrams to troubleshoot components. Familiarity with analyzer sample systems required. Part time or contract OK. For more info, contact John Prince at (714) 968-5501 or jprince@CalCEMS.com.

Field Sales Engineer: We have an established territory available for the experienced self-starter that would like to be a part of our sales team. The area is Santa Fe Springs to Palm Springs to Bishop. Our product lines are well recognized in the industry, the team includes excellent support staff, very little travel is required and there are good benefits and sales incentive. Send resume to info@blairmartin.com or fax Ken Blair at 562-424-5189.

Control Systems Integration Team Member. Central Automation has a full time position for individual with 3 plus years experience in developing industrial control applications, familiarity with OSI Pi, Iconics Genesis32, Wonderware Intouch, RSView32 and RSView SE is a huge plus, but not necessary. Requirements: PLC programming, HMI configuration, electrical controls design, good in front of customers, able to work in both a team environment and independently. $60-70K annual salary plus benefits. Send resume to Service@CentralAutomate.com or fax to (661) 387-0698. Feel free to call (661) 243-7379 to discuss the job opening.

CEMS & Process Analyzer Technicians. APG Analyzer Systems is seeking two experienced analyzer technicians to perform routine field service, troubleshooting and minor modifications on analyzer systems throughout Southern California. These are positions for hands-on technicians – not engineering or managerial. Will use schematics and flow diagrams to troubleshoot components. Familiarity with analyzer sample systems required. Part time or contract OK. For more info, contact John Prince at (714) 968-5501 or jprince@CalCEMS.com.

Manufacturers Representative. MCR Technologies a manufacturers representative covering Southern California and Southern Nevada is seeking qualified outside sales person with 3+ years of sales experience in the instrumentation field. Competitive salary and bonus, Health, Dental, Vision, Life insurance benefits. Forward resume to sales@mcr.com or fax to 949-830-2390.

Western Regional Sales Manager. For industrial control equipment manufacture. Mature individual with 10 years + experience in the flow control or valve and actuator industry. A self-starter able to operate independently and manage third party representatives. Organizational and communication skills a must. Adaptable to changing priorities and capable of meeting deadlines. Engineering degree preferred, but not necessary. Salary commensurate with experience. Fax: (508) 436-7173 or email: dbowles@rexa.com

Entry Level and Experienced Field Service Instrument Techs. Outstanding long-term opportunity to work with the premier analyzer field service organization in Southern California. The successful candidates will maintain, calibrate, troubleshoot and install analytical instrumentation systems, primarily in Los Angeles County. No overnight travel. Will interface with operators and technicians, use OEM technical manuals and telephone support to solve field problems. High school diploma or GED and a basic understanding of mathematics, ability to read and interpret electrical schematics and flow diagrams. Dependability, adaptability, flexibility, problem solving ability, good communication skills and the ability to work independently are essential to success. Power utilities, refinery or manufacturing experience and computer skills a plus but not required. Benefits include group medical insurance, paid vacation, paid holidays, credit union and educational and mileage reimbursement. Compensation dependent on relevant experience and demonstrated skills. Replies held in strict confidence. Senior level personnel encouraged to apply. EOE. Mail resume to Instrument Tech 0508, e/o TechPubs Communications, PO Box 1605, Costa Mesa, CA 92628.

CEMS & Process Analyzer Technicians. APG Analyzer Systems is seeking two experienced analyzer technicians to perform routine field service, troubleshooting and minor modifications on analyzer systems throughout Southern California. These are positions for hands-on technicians – not engineering or managerial. Will use schematics and flow diagrams to troubleshoot components. Familiarity with analyzer sample systems required. Part time or contract OK. For more info, contact John Prince at (714) 968-5501 or jprince@CalCEMS.com.

Manufacturers Representative. MCR Technologies a manufacturers representative covering Southern California and Southern Nevada is seeking qualified outside sales person with 3+ years of sales experience in the instrumentation field. Competitive salary and bonus, Health, Dental, Vision, Life insurance benefits. Forward resume to sales@mcr.com or fax to 949-830-2390.

Western Regional Sales Manager. For industrial control equipment manufacture. Mature individual with 10 years + experience in the flow control or valve and actuator industry. A self-starter able to operate independently and manage third party representatives. Organizational and communication skills a must. Adaptable to changing priorities and capable of meeting deadlines. Engineering degree preferred, but not necessary. Salary commensurate with experience. Fax: (508) 436-7173 or email: dbowles@rexa.com

Measurement & Control, from page 6

analytical measurement; Understand the operation and components of a feedback control loop; Understand what tuning a loop means; Be familiar with relevant ISA Standards; Overview trends in measurement and control

Topics covered are Concepts of Process Control; Documentation; Flow Measurement; Level Measurement; Pressure Measurement; Temperature Measurement; Final Control Elements; Overview of Process Dynamics; Control System Hardware; and Controller Modes and Tuning.

For more information, a detailed description of the seminar can be seen online at http://tinyurl.com/8N8VK. This site has links to download registration form, a map and list of hotels in the area, as well as a list of typical questions that you will be able to answer after completion. Cost to ISA members is $395.

For more information, please see the Las Vegas Section website at www.isa.org/~lasve. To register, contact Melissa Rhyne, Coordinator, Education Services at mrhyne@isa.org or (919) 549-8411.
Obituary

Ed Cartotto
Developed instrumentation systems at Rocketdyne

July 26, 2005 — Ed Cartotto, recognized as an ISA Fellow in 1961 for distinguished contributions in the field of rocket propulsion test instrumentation, has passed away on May 29, 2005, at the age of 95.

In 1961, Mr. Cartotto was a technical specialist working in statistical design, Rocketdyne/North American Aviation. He developed instrumentation systems at Rocketdyne’s Propulsion Test Lab, established application of statistical analysis and control of instrumentation accuracy and pioneered in the concept of automatic digital conversion and recording systems.

A member of the Los Angeles Section, he helped establish the San Fernando Valley Section in 1959. Ed Cartotto was born Aug 22, 1899. He was alert until two days before died at age 95, according to his wife Genievive. On behalf of all ISA members, we extend our consolation to his family and friends.

The above is from the 1961 ISA Awards Ceremony program and from Mrs. Cartotto.
Over 25% of your fellow section members have no email address or have an out of date email address listed with ISA. To update it, all you have to do is email a request to info@isa.org. That’s it!

If you have not already received this newsletter by email then you are in good company.

PE license hearing postponed to Feb.

An update by Tom Stout is on page 5 of this newsletter. The hearing as to whether to bring SB246 to the floor of the Assembly for a vote was postponed from August 23 to February 2006. See www.sb246.us for the current status.

ISA Automation West 2006

Next year’s Automation West will be held May 1-3 at the Long Beach Convention Center. For more information on the Conference, Training or Exhibition, please contact ISA at (919) 549-8411 or check the website, www.isa.org/autowest.

Get any good email lately?

If you have not already received this newsletter by email then you are in good company. Over 25% of your fellow section members have no email address or have an out of date email address listed with ISA. To update it, all you have to do is email a request to info@isa.org. That’s it!

ISA Section Newsletter
c/o TechPubs Communications
PO Box 1605
Costa Mesa, CA 92628
ISA-The Instrumentation, Systems, and Automation Society

Address Correction Requested