

“EWeek” 2003: February 16-22 “A Celebration of Innovation and Diversity”

From February 16 to 22, members of the American Institute of Chemical Engineers will join the tens of thousands of individual engineers participating in National Engineers Week 2003, an exciting week of public outreach and education. AIChE is actively involved in several of the nationwide programs planned and overseen by the National Engineers Week Committee, including the 11th edition of the National Engineers Week Future City Competition™, in which middle school students from 30 different cities/regions present their designs for the cities of tomorrow. This year, for the first time, AIChE will present an award in this competition to the team that shows the best applications of biotechnology, materials, and process engineering in their city design. Members of AIChE’s National Capital Local Section will serve as judges, and the award, which consists of a plaque and savings bond for each student on the winning team, will be presented on Wednesday, February 19, at the Hyatt Regency Capital Hill in DC.

The National Capital Section will also again host its slime-making booth at the National Engineers Week Family Day at the National Building Museum on Saturday, February 15 from 10 a.m. to 4:15 p.m. Section member Jill R. Clauss heads this popular event where elementary and middle school students from the D.C. area get to do hands-on activities at exhibits set up and staffed by sponsoring corporations and engineering societies. This year, attendees can meet the cast members of the hit PBS television series “ZOOM,” solve design challenges, try on a space suit, create skyscrapers in the LEGO™ construction zone, meet real engineers, and much more.

New to the EWeek program for 2003 is the “New Faces in Engineering” campaign that spotlights outstanding contributions by America’s youngest professional engineers. Sponsored by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and Lockheed Martin, both co-chairs of National Engineers Week 2003, New



The first “Slime-Making” booth at the 2000 EWeek Family Night.

Faces “will...let the next generation of engineers ‘see’ where their degrees might take them,” explains ASHRAE president Dr. Donald Colliver. All engineering societies represented on the National Engineers Week Committee were invited to nominate members employed as an engineer for between

two and five years, who have been involved in projects that significantly impact public welfare or further professional development and growth. Sixteen were selected, including AIChE member Kent Nettleingham, a process engineer with ConocoPhillips. The “New Faces” will be featured in *USA Today*.

On the local level, AIChE is collaborating with Girl Scout troops around the country to build programs around the “SET for Success” Science Kits. Girl Scouts can obtain engineering badges by doing the kit activities, which range from remediating an oil spill to making polymer “slime.” AIChE thanks Lockheed Martin Corporation for offsetting the costs of the kits so that they can be donated to Girl Scout troops free of charge.

For more information on National Engineers Week activities, go to www.eweek.org.

The “EngineerGuy” Explains It All

Each year, National Engineers Week programs educate the general public about the contributions—great and small—of engineers to the improvement of everyday life. For about five years, AIChE member Bill Hammack has carried that idea a step further. He’s trumpeting those contributions on a weekly basis through regular broadcasts over National Public Radio.

Hammack, who is a professor of chemical engineering at the University of Illinois at Urbana-Champaign, has produced more than 175 radio commentaries in the “Engineering & Life” series, which looks at how our daily lives are connected to the “hidden world” created by engineers. He launched the series to combat what he saw as the public’s view of technology as a “force that overtakes us.”

“Technology reflects us and we should be more concerned with shaping it,” he ex-

plains in a write-up posted on his Web site (www.engineerguy.com) announcing his receipt of AIChE’s 2002 Service to Society Award. “People think, mistakenly, that the programs are about how things work. But actually they are about a humanistic view of science and how it affects us.”

Commentary topics have ranged from the use of polymers in soft contact lenses, to the “thermal chemical convective motion of strongly temperature- and depth-dependent viscosity liquids” of the lava lamp. The spots are taped at WILL-AM 580 in Urbana-Champaign, and distributed nationwide by Illinois Public Radio. Locally, they’ve been run during such popular NPR programs as *Morning Edition* and *All Things Considered*.

In addition to the AIChE award, Hammack’s radio work has been honored with the American Society of Mechanical Engineers 2002 Edwin F. Church Medal and the National Association of Science Writers 2002 Science in Society Award.



photo by Bill Wiegand/UIUC News Bureau

"Honor Roll" Pt. 3: AICHE 2002 Student Award Winners

Our list of 2002 Award Winners, begun in the December issue, culminates with the following round-up of Student Award Winners.

	Recipient	Affiliation	Sponsor
Chem-E-Car Competition, 1st Place	University of Kentucky, Paducah		General Mills, Inc.
Chem-E-Car Competition, 2nd Place	Colorado State Univ.		General Mills, Inc.
Chem-E-Car Competition, 3rd Place	Mississippi State Univ.		General Mills, Inc.
National Student Design Competition, Individual 1st Place	Jonathan Molloy	Michigan Tech. University	Omega Chi Epsilon
National Student Design Competition, Individual 2nd Place	Mae Luen Kuo	University of Kansas	Omega Chi Epsilon
National Student Design Competition, Individual 3rd Place	Traci Rector	Univ. of Missouri, Columbia	Omega Chi Epsilon
National Student Design Competition, Team (Also won SACHE "Student Design Competition Award")	Andrew Tillinghast Corey S. Harris, Katherine Rogers	Washington Univ., St. Louis	Omega Chi Epsilon
National Student Paper Competition, 1st Place	Curtis Luke	Northeastern University	Omega Chi Epsilon
National Student Paper Competition, 2nd Place	Micah Green	Texas Tech University	Omega Chi Epsilon
National Student Paper Competition, 3rd Place	Daniel Connolly	Lafayette College	Omega Chi Epsilon
Outstanding Student Web Site Award, 1st Place	Univ. of California, San Diego		Koch Industries
Outstanding Student Web Site Award, 2nd Place	Ohio State University		Koch Industries
Outstanding Student Web Site Award, 3rd Place	University of Iowa		Koch Industries
Process Development Division Student Paper Award	Christianto Wibowo	CWB Technology	Eli Lilly and Company
Process Development Division Student Paper Award	Joseph Schroer	Univ. of Mass., Amherst	Eli Lilly and Company
SACHE Student Essay Award	Faith L. Tartaglia	Syracuse University	SACHE
SACHE Student Essay Award	Brian Dunham	Univ. of MO, Rolla	SACHE
SACHE Student Essay Award Honorable Mention	Margie Dickerson	Univ. of MO, Rolla	
SACHE Student Essay Award Honorable Mention	Jedediah James	Northeastern University	SACHE
S&H Div. Nat'l Student Design Competition (Team)	John Giusti, Jamie Cohea Matthew Stephens	Oklahoma State Univ	Safety & Health Div.
S&H Div. Nat'l Student Design Competition (Team)	Nathan Koehler, Ben Park Jonathan Park	Univ of Cincinnati	Safety & Health Div.
S&H Div. Nat'l Student Design Competition (Individual)	Traci Rector	Univ. of Missouri, Columbia	Safety & Health Div.
Ted Peterson Student Paper Award	Steinar Hauan	Carnegie Mellon Univ.	Hyprotech, Ltd.
WISE Internship Program	Corinna Kester Wayne Blaylock	Univ. of Texas Tennessee Tech. Univ.	AICHE AICHE/Am. Nuclear Soc.

Outstanding Student Chapters for 2002



The following AICHE Student Chapters were named "outstanding" based on: an exceptional level of participation, enthusiasm, program quality, professionalism, and involvement in the university and community.

- Brigham Young University**
- University of Colorado**
- Florida Institute of Technology**
- Georgia Institute of Technology**
- University of Iowa**
- Kansas State University**
- University of Kentucky**
- University of Kentucky, Paducah**
- Mississippi State University**
- New Jersey Institute of Technology**
- North Carolina State University**
- Purdue University**
- Oklahoma State University**
- Oregon State University**
- University of South Carolina**

New Expo Announced for New Orleans Meeting

Citing uncertainties in the current economic climate, International Exposition Company (IEC), owner and producer of the Process Industries Exposition (PIE) that was to run in conjunction with the AICHE Spring Meeting at the Morial Convention Center in New Orleans, has decided



to postpone the 2003 event. "Considering the current economic conditions, especially in the Gulf Coast states, and with the uncertainty of any immediate recovery in this market, the postponement until better times is the best decision for us and our exhibitors," said Clay Stevens, President of IEC.

In the light of this decision, AICHE has decided to run its own exhibition, the Spring Showcase, in conjunction with the meeting. The exhibit hall will open with the Welcoming Reception at 6 p.m. on Sunday, March 30, and run through Wednesday, April 2, until approximately 1 p.m.

Interested vendors should contact Marilyn Williams at showcase@aiche.org or at 212/591-7332.

The Spring Meeting, which runs through Thursday, April 3, includes 14 topicals, more than 350 sessions, keynote speakers, a "Critical Issues Series" covering the development of a sustainable water supply, and security versus right-to-know in preventing terrorist attacks on chemical facilities,

numerous networking events, and a guest program. Two internationally renowned executives—Dr. Wenent Pan, president of the Chinese Petroleum Corporation in Taiwan, and Dr. Claude Jablon, senior vice president of TotalFinaElf in Paris, France—will deliver keynote addresses at the meeting Plenary Session.

For technical program and conference highlights, and registration information, go to www.aiche.org/spring.

Deadline for nominations for AICHE's Board and Institute Awards is February 15, 2003. Visit <http://www.aiche.org/awards/genprov.htm>.

Gordon A. Cain, 1912-2002: ChE, Entrepreneur, Philanthropist

Gordon A. Cain, an AIChE Fellow, Houston businessman, and philanthropist, died on October 22 at the age of 90.

An AIChE member since 1938 and a Fellow since 1973, Cain's most recent achievement in a life full of accomplishments was penning *Everybody Wins! A Life in Free Enterprise*, now in its second edition. The book chronicles how Cain—a chemical engineer well past retirement age—effected a turnaround in the commodity chemicals industry through innovative management strategies, employee stock ownership, and leveraged buyouts.

In his 80s, Cain launched his second post-retirement career, entering the new

field of biotechnology. At the time of his death, he was Chairman of the Board of Agennix, Inc., a company he founded in 1993, and was also founder and former Chairman of the Board of Directors of Lexicon Genetics, Inc., a publicly-traded biotech firm. Cain also established Encompass Services Corporation, a Fortune 500 company providing mechanical and electrical contracting services nationwide, and had previously served as Chairman of the Board for Sterling Chemicals, Inc., Vista Chemical Company, Cain Chemical, Inc., Atlantic Coast Airlines and The Sterling Group, a merchant banking firm.

A native of Rayville, Louisiana, Cain graduated from Louisiana State University in 1933 with a B.S. degree in chemical engineering. Sixty years later, the school awarded him an Honorary Doctor of Science. Throughout his lifetime, Cain donated more than \$20 million to various programs at the university, including a \$10 million gift to the College of Engineering, which resulted in the Department of Chemical Engineering being named the Gordon A. and Mary Cain Department of Chemical Engineering.

Cain served in World War II, earning a Purple Heart in the Philippines, then returned to civilian life and a series of important roles in chemical industry. Ultimately, his vision profoundly affected management practices in the industry, as he acquired and restructured such companies as Vista Chemical, Arcadian, Sterling Chemicals, Cain Chemical and Fiber Industries.

For his track record of building tremendous shareholder value across industry lines, and in recognition of his achievements, the scientific community awarded Cain the 1988 Winthrop-Sears Medal for outstanding entrepreneurial endeavors, and the 1990 John Fritz Medal for industrial leadership. Recently, he was awarded the first Petrochemical Heritage Award by the National Petroleum Refiners Association. Cain was also the recipient of AIChE's 1988 Fuels & Petrochemical Division Award, and was serving a ten-year term as a Trustee of the AIChE Foundation. Cain was inducted into the Texas Business Hall of Fame in 1990.

Obituaries**David Belyung, 38**

West Milford, NJ

John W. Bertetti, 97

Gillespie, IL

Henry J. Bove, 77

Philadelphia, PA

Burton J. Cherney, 85

Santa Barbara, CA

Donald W. Dodge, 74

Wilmington, DE

William J. Dorson, 66

Tempe, AZ

William M. Dreier, Jr., 65

Golden Valley, MN

Roy Dunham, 77

Ashland, KY

John B. Ferchaud, 90

St. Louis, MO

Charles R. Fillerup, 73

Venice, CA

James Fleming, 84

Houston, TX

Allen Li, 64

Morristown, NJ

Albert F. Little, 63

Mobile, AL

John A. McBride, 84

Canyon City, CO

Ernest Mohr, 86

Pittsford, NY

Philip W. Morrison, Jr., 42

Cleveland, OH

Marshall Ramstad*, 88

Seattle, WA

Hugo Sephton, 78

Kensington, CA

Joseph Stett, 91

Franklin Park, NJ

Lawrence A. Warzel, 77

Bartlesville, OK

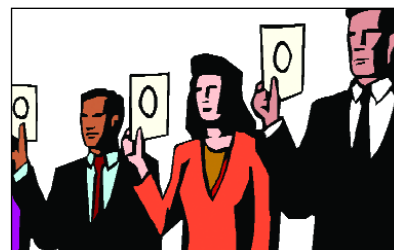
Lester G. Weber, 78

Novi, MI

John Wehman, 61

Randolph, NJ

* Fellow Grade

**THE PEOPLE HAVE
SPOKEN...**

Voting on the "YES" initiative to approve or reject five distinct amendments to the AIChE Constitution is now completed. A report on the results will appear in the March issue of *Extra*.

Editor's note: Last month's article "Delaware Valley Section Hosts CEO Lecture Series on Battleship New Jersey" was prepared and submitted by Brenda Lando, an employee with Merck & Co. in Central New Jersey, and an active member of the DVS Local Section.

¡VIVAN LOS INGENIEROS QUÍMICAS DE PUERTO RICO!

by Sid Sapakie, 2002 AIChE President



A group shot of the 90+ representatives of the University of Puerto Rico-Mayaguez AIChE Student Chapter that attended the Indy meeting.

One of my objectives as 2002 AIChE President was to visit as many local sections and student chapters as possible, to both speak and listen to our most important constituency: members and potential members. By year's end I had been to 8 sections and 7 universities.

In December, I accepted an invitation to visit Puerto Rico to speak to a meeting of the Institute of Chemical Engineers of Puerto Rico. This organization, that, among other tasks, licenses chemical engineers to practice in the Commonwealth, has a very positive synergistic relationship with AIChE. I was interested in learning about chemical engineering on the island and what role AIChE might play. Moreover, I wanted to experience the excitement and spirit of the University of Puerto Rico in Mayaguez that impressed everyone at the Annual Meeting in November. More than 90 of their students had attended the conference in Indianapolis.

During this trip, I was hosted by Dr. Edgar Hernandez-Patino, President of the Puerto Rico Section of AIChE. I had the opportunity to speak at the Polytechnic University in San Juan, UPR in Mayaguez, and two meetings of the Institute of Chemical Engineers.

At Polytechnic, I found a relatively new and enthusiastic chemical engineering department looking forward to accreditation, and anxious to form an AIChE student chapter. At Mayaguez, I spoke to a large group of students, many of whom are members of the AIChE student chapter. I was not surprised to find the same enthusiasm and leadership that had been on display in Indianapolis. At both schools, students, like their counterparts everywhere, were interested in career opportunities and what is ahead for chemical engineers.

The theme of my presentation at these forums was "The Future of Chemical Engineering" and what AIChE's plans are to address the ongoing changes in our profession. Project Genesis, with its emphasis on biotechnology, EH&S, and materials generated numerous questions and good discussion. With the pharmaceutical industry already a major employer, chemical engineers in Puerto Rico are well aware of the important role life sciences will play in our future. I was also pleased to note the desire of the Puerto Rican chemical engineering community to become more involved in AIChE and to take on leadership roles.

In summary, what I found in Puerto Rico was a vibrant group of chemical engineers with a tremendous camaraderie. Those who

are the leaders of the profession, both academic and industrial, are excellent role models for an enthusiastic, talented group of students. As an aside to our corporate partners, it would serve you well to consider these young people as potential hires, no matter what your location.

On a personal note, I liked what I saw of Puerto Rico, an island of tremendous physical and cultural diversity. I am very appreciative of the hospitality shown to me by Dr. Hernandez, AIChE's PR Section President, Dr. Carlos González, Dean of Engineering of the Polytechnic University of Puerto Rico and Federico Padrón, AIChE Student Chapter Advisor at UPR-Mayaguez. I look forward to a return trip.

Who's That ChE?



Dear Editor:

At the present time I am working on a history of the Department of Chemical Engineering of the University of Wisconsin. This project was begun by Professor Olaf A. Hougen back in the 1960s, but was never published. We are planning to update Hougen's history in time for our centennial in 2005.

From time to time I come across a problem and have to seek outside help. One such problem is the identification of a person in a picture. Enclosed you will find a photograph showing six chemical engineers, presumably attending some meeting (since some of them have name tags). The persons in the picture are, from left to right:

Roland A. Ragatz: U of Wisconsin
 W. Robert Marshall: Du Pont or
 U of Wisconsin
 ????
 Allan P. Colburn: U of Delaware
 Olaf A. Hougen: U of Wisconsin
 Roger J. Altpeter: U of Wisconsin

The picture was taken possibly in the period 1942 to 1946. Bob Marshall came to the University of Wisconsin from DuPont in 1947, and that is why we are in doubt as to his affiliation at the time the picture was taken. We have not been able to identify the building in front of which the photograph was made. Of course, we would also like to know why Olaf is laughing so hilariously, with a pancake-turner (?) stuck into his belt.

Would you please be so kind as to print this picture in *AIChE Extra* and ask the membership if anyone can identify the unknown gentleman? My contact information is below.

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