AIChE Turns 95 this Month

This month, AIChE moves one step closer to a major milestone when it observes its 95th anniversary. The Institute was founded in 1908 as an individual member society serving the chemical engineering profession to "promote excellence in the development and practice of chemical engineering." Its formation is viewed by many as the beginning of chemical engineering as a distinct and unique profession, as opposed to a branch of chemistry or mechanical engineering.

AIChE held its first organizational meeting at the Engineers' Club of Philadelphia on June 22, 1908. Nineteen people attended this meeting to adopt a constitution and elect officers. That same year, the fledgling association established several committees to oversee key functions: Admissions, Finance, Publication, and Chemical Engineering Education. Today, three Operating Councils—Career and Education, Chemical Engineering Technology, and Societal Impact—work with various entities, such as committees, divisions, forums, sections, and chapters, to realize AIChE's Vision.

One of the new Institute's first actions was to start a publication. *Transactions of the American Institute of Chemical Engineers* was published from 1908 until 1947, when it was replaced by *Chemical Engineering Progress (CEP)*, AIChE's current monthly member magazine. Later, the Institute began publishing other topical journals and periodicals, including the well-respected *AIChE Journal* (1955), *Process Safety Progress* (formerly *Plant/Operations Progress*), and *Environmental Progress* (both 1982), as well as a host of proceedings and books. All periodicals, including *Biotechnology Progress*, cosponsored by the American Chemical Society, are now also available online.

Attendees at one of the earliest AIChE meetings, held at the then Brooklyn Polytechnic Institute.

The number of AIChE committees has grown to 23 (including the four originals, though Chemical Engineering Education changed its name to Chemical Engineering Education *Projects* in 1938), and works with 19 discipline-specific technical divisions and forums to further the goals of the profession. At the "grassroots" level, AIChE has 105 local sections in the U.S., plus one each in Puerto Rico, Canada, Saudi Arabia, and The Netherlands/Belgium; and student chapters at 162 U.S. and Canadian universities and colleges offering an accredited chemical engineering curricula, along with 4 student clubs in Mexico, Kuwait, and Turkey.

Along the way, AIChE pioneered a new way to conduct collaborative research: the university/government/industry/association partnerships known as Industry Technology Alliances. By leveraging resources, ITAs have furthered important research and technology transfer in chemical process safety, environmental stewardship/sustainable development, physical property data research, and explosion relief systems.

While AIChE has a proud history, it believes in looking forward. Its Genesis Project was established in 2001 as a new strategic planning process to determine AIChE's path forward.

Scottsdale, AZ: Site of the 18th International CCPS Safety Conference in September

The 18th Annual CCPS International Conference and Workshop will convene at the Camelback Inn in Scottsdale, Arizona, from September 23-25. The Planning Committee, chaired by Pete Lodal of Eastman Chemical, (photo right), has put together a strong program under the theme "Managing Chemical Reactivity Hazards and High Energy Release Events."

Plenary sessions will address: Regulatory Issues, Inherent Safety, High Energy Release Events, Relief Systems, Transportation and Storage, Management Systems, Calorimetry Tools and Data Generation, and Lessons Learned from Case Histories. John L. Henshaw, Assistant Secretary of Labor for OSHA, will deliver the keynote address on Tuesday, September 23, and then participate in a panel discussion on regulatory issues. Luncheon speakers include Deborah Dietrich, Director of the EPA Chemical Emergency Preparedness and Prevention Office, and Carolyn W. Merritt, Chair and CEO of the U.S. Chemical Safety and Hazard Investigation Board.

Plan to attend this conference and meet with process safety experts from industry and government. Reactive chemistry incidents continue to occur in the chemical process operations, and at other facilities that handle chemicals. Examples range from the 1995 blending operation explosion in Lodi, New Jersey, to the 2001 massive ammonium nitrate explosion in Toulouse, France. These and other incidents have resulted in increased attention to reactive chemistry issues by industry, government, and other stakeholders. Good process safety management practices, identification of chemical reaction hazards, and observance of basic engineering principles are critical to safe operation, storage, and transportation.

To register, or for additional information on the conference, see http://www.aiche.org/ccps/icw or call 1-800-242-4363 or 212-591-8100.

Campaign 2004 is now underway

See pages 75-76 to learn more about the candidates running for the posts of President-Elect and Secretary of the Institute. Profiles of the candidates for Director will run in the July issue, and "campaign ads"/position statements can be found in the August issue.

Other Upcoming Meetings & Conferences

The **96th Annual Conference and Exhibition of the Air and Waste Management Association**, to be held June 22-26, 2003, in San Diego, California, will include a special half-day session on risk communication cosponsored by AIChE. The session will feature Dr. Mary McDaniel, co-founder of a risk communication consulting firm, offering background information and useful tips on how industrial facilities and other institutions can prepare to communicate with their neighbors about a variety of health, safety, and environmental issues. Richard D. Siegel, director of industrial services and principal consultant at KM Chng Environmental Inc., and an active member of AIChE's Environmental Division, organized the joint AIChE/AWMA program. For more information on this session, or on the AWMA conference, go to: http://www.awma.org/ACE2003/, or contact Denise Stotler at 412-232-3444 x3111, or via e-mail at dstotler@awma.org

The **Indian Institute of Chemical Engineers (IIChE)**, in association with the Orissa State Coordination and the Regional Research Laboratory in Bhubaneswar, announces a Call for Papers for its **"ChemCon 2003"** or **Indian Chemical Engineering Congress**. The event, which combines the 56th "Annual Session" of the IIChE, with a one-day International Symposium on the "Role of Chemical Engineering in Processing of Minerals & Materials," will be held December 19-22 in Bhubaneswar, Orissa, India. Technical sessions will focus on fundamental and applied research in process development, food processing and preservation, polymer science and engineering, reaction engineering, thermodynamics, energy engineering, chemical metallurgy, glass and ceramics, risk analysis and hazard management, and more. **Deadline for abstract submissions is June 30**. For more information, go to http://www.chemcon-2003.com/main.html.

....Not Easy Bein' Green
GREEN ENGINEERING EXPLORED AT DC CONFERENCE

A consortium of government agencies and engineering/scientific societies—including the American Chemical Society, the Council for Chemical Research, the American Chemistry Council, the National Science Foundation, the U.S. departments of Energy and Commerce, and the Environmental Protection Agency, will join AIChE in sponsoring the Seventh Annual Green Chemistry and Engineering Conference from June 23-26. Held at the National Academies building in Washington, DC, the conference combines science and policy in addressing the theme "Green Chemistry and Engineering: Integrating Sustainability, Safety, and Security."

Chaired by Carla Sullivan of the National Oceanic and Atmospheric Administration (and formerly AIChE's legislative specialist), the conference will feature plenary speakers and expert panelists from industry, government, and academia who will offer insights into the role of science in addressing accident prevention, sustainability, and chemical site security. Technical presentations in such areas as alternative solvents, catalysis, process design and measurements, modeling/computational methods, and benign synthesis and processing, will consider the environmental, economic, and social benefits of greener technologies.

The conference will open on Monday, June 23, at 5:30 p.m. with the presentation of the Presidential Green Chemistry Challenge Awards. An EPA Design for the Environment partnership with the chemistry community, the Challenge provides national recognition to outstanding chemical technologies that incorporate the principles of green chemistry into design, manufacture, and use. The program is open to all individuals, groups, and organizations, both nonprofit and for profit, including academia, government, and industry.

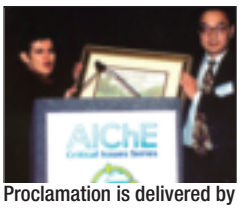
This year's Challenge Award winners will describe their projects during the opening technical session of the conference on Tuesday morning. Table top exhibits, featuring information from conference cosponsors and other government, industry, and academic representatives, and poster sessions on a variety of topics, will be held in the Great Hall on Tuesday, Wednesday, and Thursday afternoons.

In conjunction with the conference, AIChE and the National Institute of Standards and Technologies will host a workshop on the commercialization and implementation of sustainable technologies on June 23. A follow-up needs assessment session to obtain industry input on enhancing government/industry collaboration for sustainability initiatives will be held the following day. For additional information on this workshop, contact Jo Rogers at jorogers@aiche.org or call 212-591-7727.

For more information on the conference, go to http://chemistry.org/meetings/greenchem2003.html.

N.O. Mayor Proclaims "AIChE Week," Grants "Citizenship" to Guest Speakers

Dr. Wenent Pan, president of the Chinese Petroleum Corporation in Taiwan, and Dr. Claude Jablon, senior vice president of Paris, France-based TotalFinaElf received a somewhat unique honor at AIChE's Spring National Meeting. As part of an official proclamation from the Mayor of the City of New Orleans, the two Spring Meeting Keynote Speakers were granted "honorary citizenship."



Proclamation is delivered by Nadas to Yen.

The proclamation, presented to Fuels and Petrochemicals Division chair Jeffrey Yen, also declared: "Be it known that C. Ray Nagin, Mayor of New Orleans, has this day proclaimed March 31st through April 4th American Institute of Chemical Engineers Week." The proclamation was delivered by Gina Nadas, a member of the Mayor's staff.

Certificates of "citizenship" were to be mailed to Pan and Jablon shortly after the meeting.

2004 Election—Candidates for President-Elect

To enable members to make informed selections for the upcoming AIChE election, the candidates for president-elect and secretary have provided overviews of their experience, as well as their plans for future programs and directions for the Institute. These messages are in each candidate's own words. Following publication in *Extra*, the statements will be posted on AIChE's Web site at **http://www.aiche.org/candidates**. Ballots will be mailed on August 29th. Ballots must be received by October 3rd. The Teller's Committee will meet to verify the results of the election on October 9th. Election results will be announced in November at AIChE's Annual Meeting in San Francisco, CA, and in the December issue of *AIChExtra.*

Dennis C. Hendershot

When I think about chemical engineering, the first thing that comes to mind is diversity. We work with products ranging from road salt to complex organic compounds, which make gold look cheap. We are a diverse group of men and women who come from, and work, all over the world. You will find us in traditional fuel and petrochemical industries, but also in every industry and area of advanced research. We are pioneers in industrial safety and sustainable development. We collaborate worldwide using modern communications tools, often with colleagues we have never met in person.

AIChE's challenge is to maintain and enhance its value to this diverse community. We will continue to serve the interests of our traditional constituency, while providing a forum for collaboration across all technologies in which chemical engineers now work. Programming and membership initiatives must make AIChE essential to the professional lives of all chemical engineers. And, we must accomplish this in one of the most challenging economic environments in 30 years.

As President-Elect of AIChE, my focus would be to:

- Identify and support the activities that are really important to our members.
- Explore opportunities for cost savings for necessary support activities not directly related to AIChE's mission as a technical society.
- Increase collaboration with other technical societies throughout the world.
- Use modern communication tools to make technical information accessible to all members in a cost-effective way.

Dennis is a senior technical fellow in the Engineering Division of Rohm and Haas Company. He provides process safety consultation and design support for new and existing facilities worldwide.

A member of the AIChE Board of Directors, and the CCPS Managing Board, Dennis has served on the Chemical Engineering Technology Operating Council, and as Chair of the Safety and Health Division. He has served on, or chaired, several CCPS Subcommittees, and is the current chair of the Safety and Chemical Engineering Education (SACHE) Committee.

Dennis received the Merit Award for contributions to chemical process safety from the Mary Kay O'Connor Process Safety Center in 2000, and the William H. Doyle Award for the best paper at the AIChE Loss Prevention Symposium in 1998 and 2002. He and his wife, Connie, were named "Parents of the Year" by the Pennsylvania Association for Gifted Education in 1997.

Dennis is an AIChE Fellow. He holds a BSChE from Lehigh University, and an MSChE from the University of Pennsylvania.

Jeffrey J. Siirola

Chemical engineering, with its systems emphasis, has long been recognized as a versatile profession. Recent concentration on product, in addition to process, design and development, and the appreciation that biology has become an increasingly important part of our molecular discipline, has resulted in chemical engineers becoming involved in ever more diverse fields and environments. For AIChE, as the professional association of chemical engineers, this diversity is both a tremendous opportunity and an exciting challenge.

AIChE exists to support the lifelong professional development, career success, and financial security of all chemical engineers. The new operating council organizational structure is working to make the institute ever more responsive and relevant. However, the current difficult economy continues to stress many professional organizations, including ours.

If selected as your President-Elect, I will work tirelessly to:

- Make AIChE membership more attractive to all who are engaged in our rapidly expanding profession.
- Emphasize professionalism, excellence, cost-effectiveness, and fiscal responsibility in the management of the Institute and all of its activities, programs, products, and services.
- Increase member satisfaction with technical programming, publications, and services, especially in newly emerging areas.

My goal is for AIChE to be recognized for excellence, effectiveness, value, and responsiveness to the professional needs of all chemical engineers.

Jeff is a technology fellow at Eastman Chemical Company, where he has been involved for more than 30 years in process synthesis and sustainability initiatives. He received his BSChE from the University of Utah, and Ph.D. from the University of Wisconsin.

An industrial trustee and former president of CACHE Corporation, Jeff is also an ABET international chemical engineering program evaluator, and a member of the Chemical Sciences Roundtable, and several chemical engineering editorial and departmental advisory boards.

An AIChE Fellow, Jeff served on the Board of Directors from 1999-2001, and on the Chemical Engineering Technology Operating Council. He is currently chair of the Publication Committee, vice chair of the Education and Accreditation Committee, and has served on the National Program, Continuing Education, Research and New Technology, and Awards committees. Jeff was also director, chair, and programming coordinator for the Computing and Systems Technology Division, as well as director of the East Tennessee Local Section. He has received the George Lappin National Program Committee Service Award, the CAST Division Computing Practice Award, and has been elected to the National Academy of Engineering.

2004 Election—Candidates for Secretary

Bob Goodmark

Chemical engineers are diversifying into many new and leading-edge industries and specialties. One of my primary goals will be to work toward including these new areas in AIChE by encouraging programming diversity, and forming new Divisions.

The Institute has reached a critical state in its finances and will require careful management to survive the next few years. Another of my primary goals will be to work toward fiscal responsibility while preserving the services critical to our members. We must continue to develop new programs benefiting our members during this period of financial crisis in order to insure the Institute's future.

Local Sections are where most members interface with AIChE. For this reason, I have strongly supported providing services to Local Sections through the Local Sections Committee and headquarters staff. Most of the Institute's leaders have been Local Section officers, and we must continue to help them develop leadership skills through programs like the Leadership Development Conference.

As Secretary, my goals will be to work with the Board of Directors to:

- Assure the long-term financial viability of AIChE.
- Support continuation of services our members consider essential.
- Encourage diversification of AIChE into leading-edge specialties.
- Work with Local Sections to develop future leaders.

Bob has been an active AIChE member for 40 years and is a Fellow of the Institute. During that period, he has served the Institute on many committees and in elected positions. Some of these positions include:

- 2002-2003 Career and Education Operating Council (CEOC)
- 1997-1999 AIChE Board of Directors
- 1994-1996 Fuels & Petrochemicals Division, Treasurer
- 1987-1989 South Texas Section, Chair-Elect/Chair/Past Chair
- 1985 South Texas Section, Treasurer
- 1984 South Texas Section, Director
- 1976 South Texas Section, Director

Bob retired from Shell Oil Company after a career of 36 years. During that time, he had assignments in refining, chemical manufacture, planning, economics, purchasing, and pipeline operations.

Bob has a Bachelor's Degree in chemical engineering from the University of Florida, and currently serves on its Industrial Advisory Board. He also has a Master's Degree in industrial engineering from the University of Houston.

Otis Shelton

AIChE must demonstrate excellent leadership, creativity, focus, and responsiveness in adapting to significant economic, technological, political, workplace, and social changes facing our profession, worldwide. We should continue efforts to revitalize AIChE to ensure that the products and services provided are closely attuned to the needs of our diverse membership in academia and industry, and to the communities in which we live. Success in the following areas is critical for positioning the Institute to provide the global leadership needed by our members throughout the world.

- Improve the financial vitality of AIChE by providing products and services relevant to the needs of our membership, and form alliances to improve service offerings.
- Revitalize Local Sections with innovative initiatives that recognize the workplace realities of our volunteers.
- Leverage the newly formed Industry Advisory Board to re-establish AIChE's partnership with industry.
- Aggressively recruit and retain recent ChE graduates, and chemical engineers within newly emerging technology areas.
- Support increased technical competence at K-12 levels to strengthen the pipeline of future chemical engineers.
- Support academia and industry in maintaining world-class technical excellence in chemical engineering.
- Recognize the diversity of our profession as one of our strengths, and implement programs to improve the effectiveness of our profession.
- Provide proactive leadership in addressing worldwide environmental and sustainability issues.

AIChE Experience

- AIChE Board of Directors
- AIChE Fellow
- Admissions Committee (10 yrs.), Chair – 1 Term; Board Liaison – 3 yrs.
- Constitution & Bylaws Committee (3 yrs.)
- Board of Directors Fellows Task Force, member
- Resource Committee Team member - Creation of Operating Councils
- Fairfield County Local Section, Past Chair

Background

- Associate Director, Safety & Environmental Services, Praxair, Inc.
- National Advisory Board, National Society of Black Engineers (15 yrs)
- BS/MS ChE – University of Houston

Awards and Honors Round-up

The following awards were given at the AIChE Spring National Meeting in New Orleans, LA, in April.

George Lappin National Program Committee Service Award
Sponsor: Albemarle and the National Program Committee
Timothy J. Anderson
University of Florida

Environmental Division Graduate Student Paper Award
Sponsor: Environmental Division
Gautham Parthasarathy
Solutia, Inc.
Paul L. Tanaka
University of Texas-Austin
Ya Wen
Michigan Technological University

Robert E. Wilson Award
Nuclear Engineering Division
Sponsor: Fluor Daniel Foundation
Randall N. Robinson
Defense Nuclear Facilities Safety Board

Norton H. Walton/R. Miller Award in Safety
Sponsor: Safety & Health Division
Laurence G. Britton
Neolytica, Inc.

William H. Doyle Award
Sponsor: Loss Prevention Committee
Dennis C. Hendershot
Rohm & Haas Company

Process Development Practice Award
Process Development Division
Sponsor: Zeton, Inc.
Lanny A. Robbins
Dow Chemical Company

AWARDS FROM OTHER ORGANIZATIONS

Dr. Subhas Sikdar, Division Director for the EPA Office of Research and Development's Sustainable Technology Division in Cincinnati, Ohio, and an AIChE Fellow, was recently elected a Fellow in the American Association for the Advancement of Science.

Dr. Arvind Varma, the Arthur J. Schmitt Professor of Chemical Engineering at the University of Notre Dame, lectured on "Combustion Synthesis of Advanced Materials" on December 12, 2002, at the National Science Foundation.

Dr. Ashok Kumar, a professor of civil engineering at the University of Toledo, and "Software Review" editor for *Environmental Progress*, will receive the Lyman A. Ripperton Award from the Air and Waste Management Association for distinguished achievement as an educator in the field of air pollution control.

Students Engineer Solutions to National Contests

Engineering undergraduate student teams took top honors in two national contests this April: the Energy Challenge, held in Nags Head, NC, and the 15th Annual Rube Goldberg Machine Contest, held at Purdue University in West Lafayette, IN.

In "Energy Challenge 2003," part of the 100th anniversary commemoration of the Wright Brothers' first flight, 10 college engineering teams attempted to hang glide 3 times from atop an 80-foot dune near Kitty Hawk, using wings made of paper products, such as corrugated paperboard or linerboard. The North Carolina State University team glided into the first place overall award at the April 5 competition, followed by the Spartan School of Aeronautics (Tulsa, OK) team, which actually scored the longest recorded flight at nearly 194 feet. Temple University (Philadelphia, PA) finished third in overall points.

The competition is jointly sponsored by the U.S. Department of Energy and the Institute of Paper Science and Technology, to increase interest in science and engineering, and to promote awareness of energy efficiency, manufacturing design, recycling, waste minimization, package maximizing, and pulp and paper processes. For more information about Energy Challenge, see http://www.ipst.edu/energy_challenge/frameset.html.

The goal of the annual Rube Goldberg Machine Contest is quite the opposite of most engineering projects. Here, efficiency loses. Entrants in the 2003 Contest, held April 12 on Purdue University's West Lafayette, IN, campus, had to take at least 20 steps to select and crush a 12-ounce aluminum can, and pitch it into a recycling bin.

The Purdue University Theta Tau/Phi Sigma Rho team's sports-themed contraption relied on several different balls to trigger its amazing 34 steps, which captured first place. The team, headed by Greg Franzer, a chemical engineering senior from Coldwater, Ohio, crushed both a can and its competition, as it also took the "People's Choice Award."

The annual competition is Purdue's homage to the late cartoonist who specialized in drawing machines that used overly-complex mechanisms to perform simple tasks. The University of Toledo's American Society of Mechanical Engineers team was awarded second place, and the University of Texas at Austin's Institute of Electrical and Electronics Engineers team finished in third place.

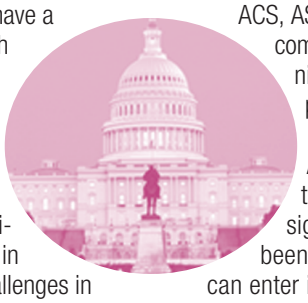
Obituaries

Edgar E. Bostick, 77
Mt. Vernon, IN
Milton Davis*, 80
Hilton Head Island, SC
Roy Foresti*, 78
Silver Spring, MD
Gerrald E. Kerr, 83
St. Louis, MO
Julius Krauklis, 90
Morristown, NJ
Max R. Lents, 88
Houston, TX
Berndt K. Lyckberg, 87
Plano, TX
Walter R. McCormick, 84
Salt Lake City, TX
Robert A. McKean, 84
Camarillo, CA
James Moore, 86
Tyler, TX
Edwin M. Powers, 88
Conifer, CO
Joseph V. Rozycki, 79
Flossmoor, IL
Arthur Schnizer, 80
Corpus Christi, TX
Esber Shaheen, 66
Joplin, MO
Carl W. Streed, 85
Haddonfield, NJ
Richard Wyse, 64
South Park, PA

** Indicates Fellow status*

The DC-AIChE Connection

by Dale Keairns, Chair, Government Relations Committee



All chemical engineers have a professional connection with the government, be it as an employer, a funding source, or as the writer of policies or regulations that directly impact how we do business. We also have critical skills that are important in addressing many of the challenges in our society—e.g., food, energy, environment, health. The Government Relations Committee (GRC) has focused on two areas where AIChE, as a professional society, can be an integral part of the dialogue to affect policy. These are to:

- Be a technical resource for policy issues in areas of our expertise, and to
- Formulate and advocate positions on policy issues affecting chemical engineers.

A technical resource: The GRC has developed position papers and facilitated exchanges with Congress and Congressional staff on several issues where we, as chemical engineers, can bring important technical understanding. Recent topics have included nanotechnology, sustainability, security, site-remediation, risk assessment, and energy. Requests for further information and follow-up discussion attest to the amount of value Congress and governmental agencies place on these exchanges.

For example, Congress recently passed legislation setting as policy that site remediation be guided by a results-oriented approach, rather than the one historically used, which has led to extensive litigation and long delays in remedial actions. AIChE developed position papers on these issues many years ago, and has presented its position to Congressional members and committees as the issues have been debated. AIChE members have been vital in supporting these provisions over time, stimulated in part by use of our Catalyst Action Alerts, which is a Web-enabled method of sending letters and e-mails to members' Senators and Representatives.

One of GRC's primary concerns has been to assess how we leverage our resources to get the maximum payback for our efforts. Partnering with other professional societies and organizations (e.g., ACS, ASME) where there is a common commitment to serving as a technical resource has been an important part of the GRC effort.

As a professional society, AIChE can also serve as a technical resource. One of our significant new initiatives has been to identify areas where AIChE can enter into Federal alliances. The three areas selected support other AIChE activities: sustainability, response to terrorism, and education (e.g., K-12). These initiatives leverage our AIChE volunteer members and their interests and expertise, at no added cost to the Institute.

Policy affecting chemical engineers: The public policy activities of GRC have contributed to developing and implementing legislation that impacts chemical engineers. AIChE GRC was active in promoting two provisions of the Economic Growth and Tax Relief Reconciliation Act of 2001, legislation completed in the 107th Congress. The provisions include:

- Making permanent the exemption from personal taxable income payments by one's employer up to $5,250 in any one year for graduate education expenses; and,
- An increase on the contribution limit to 401(k) type plans to $15,000 annually.

Setting priorities: One of the important tasks of the GRC has been to set priorities each year and to focus the effort on specific targeted objectives. It is critically important that we define objectives where we can be effective within our financial and resource constraints.

AIChE continues to leverage our activities in government relations with broad-based issues coalitions in DC in areas of priority to AIChE members, such as membership benefits (association health plans, pension reform); technology input (energy, climate change, and MTBE); and Federal funding (R&D tax credit and general support of funding for engineering research). We welcome your participation.

For additional information, go to http://www.aiche.org/government/.

"MYSTERY MAN" IDENTIFIED

The February 2003 issue of *Extra* featured a letter from Dr. R. Byron Bird of the University of Wisconsin asking for help in identifying a "mystery man" in a photo dating back to the 1940s. (The gentleman in question is on the left in the portion of the photo shown above.) Recently, Professor Bird wrote back to say the mystery has been solved.

"I had a number of responses to this photographic reproduction, but the leads ... unfortunately led nowhere," he wrote. But, he did find a clue in a set of meeting reprints sent by Professor Emeritus James Stice. "This ... enabled me to identify William A. Bain, Jr., as the missing name," he stated, adding the identification was complete when he tracked down a 1936 yearbook photo of Bain at his undergraduate alma mater, North Carolina State University.

Bird noted that, at the time the photo was taken—in 1939 at the 2nd Summer School for Chemical Engineers, sponsored by the SPEE (Society for the Promotion of Engineering Education)—Bain was a graduate student. He was later employed by Vitro in Wescoville, PA. The others in the photograph were: Associate Professor Roland A. Ragatz, future Professor and Chair of Chemical Engineering; W. Robert Marshall, Jr., then a graduate student, but in the future, Dean of Engineering at UW and 1963 AIChE President; Associate Professor Allan P. Colburn of the University of Delaware, Newark; Professor Olaf A. Hougen, who would chair UW's ChE department; and Assistant Professor Roger J. Altpeter, who would become a Professor of Chemical Engineering. Now, Bird points out, only one mystery remains: "Why is Hougen (on the right in the photo above), laughing about the pancake turner that is stuck in his belt?"