AIChExtra

2004 Institute Lecture to Focus on Diabetes Technology

Dr. Adam Heller, professor of chemical engineering at the University of Texas at Austin, will present the 2004 Institute Lecture entitled, "Lessening the Pain and the Worry of Diabetic People" at the 2004 Annual Meeting, Austin, TX, on November 10.

Annual Meeting Program Chair John Ekerdt expects Heller's lecture will be both visionary in content and relevant to society: "Dr. Heller's talk will illustrate how, by working at the interface between disciplines and applying fundamentals, profound technological changes can result that significantly impact society and our quality of life."

Heller is co-founder of TheraSense, which developed a continuous glucose monitoring system to remove the worry of diabetes complications and pain of monitoring blood glucose. TheraSense was acquired in April 2004 by Abbott Laboratories.

The monitoring system, called FreeStyle, is a microcoulometer which rapidly and accurately measures in a thin liquid film the amount of glucose. The volume of blood film is only 300nL blood, small enough to be painlessly drawn. FreeStyle is the first mass-manufactured (10^9 units in 2000-2003) submicroliter fluidic device and is available in pharmacies around the world.

"FreeStyle Navigator monitors in real time the subcutaneous glucose concentration of diabetic people and alerts them to their need to eat or drink, when the glucose concentration is low, or administer insulin when it is high, and also to impending high or low glucose concentrations," said Heller.

A miniature amperometric glucose sensor is implanted in the diabetic person and painlessly replaced by the individual twice a week. Its core technology is the electrical "wiring" of enzymes, the electrical connection of their redox centers to electrodes through electron-conducting hydrogels. A feedback loop, combining the continuous monitor with an insulin pump, constitutes a long-sought "artificial pancreas."

The implanted sensor is connected through electrical contacts to a small box worn on the skin that broadcasts the glucose concentration to a PDA-like unit worn in the pocket or purse. Heller and researchers at the University of Texas are working toward a miniature implantable biofuel cell. Once engineered, this biofuel cell will also allow for the integration of the sensor, amplifier, and transmitter in a miniature disposable sensor-transmitter package. The package will broadcast the subcutaneous glucose concentration directly to the insulin pump without monitoring needed by the individual.

According to Heller, this package will be the harbinger of other miniature autonomous implanted sensor-transmitter packages, monitoring and broadcasting temperature, flow, pressure and chemical concentrations in the body to drug delivering micropumps on the skin. "Most likely the field of process control, so successfully applied by chemical engineers to the manufacture of chemicals, oil, and gas will branch in a major way into medicine."

"Heller's lecture will fit hand-in-hand with the Annual topical conference 'Advances in Biomaterials, Bionanotechnology, Biomimetic Systems, and Tissue Engineering," Joseph Cramer, AIChE director for programming, told *AIChExtra.* Endorsed by the Society for Biomaterials, the topical conference will explore developments in these broad disciplines in two plenary sessions, two tutorials, and 26 technical sessions. Attendees will gain the latest information on advances in research of the molecular design and synthesis of biomaterials, the development of new micro- and nano-scale devices, the development of biomimetic systems and applications in tissue engineering. For more details visit: http://www.aiche.org/annual/topical/biomaterials.htm.

Heller is research professor, chemical engineering at the University of Texas at Austin. Previously, he was head of the Electronic Materials Research Department of Bell Laboratories, where he managed the early phase development of now widely used high-density chip interconnections, and Manager of Exploratory Research at GTE Laboratories.

To enable members to make informed selections for the upcoming AIChE election, the candidates 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. On the following pages are statements for president-elect and treasurer candidates. Director candidate statements will appear in the July issue of *Extra.* Following publication in Extra, statements will be posted at http://www.aiche.org/candidates.

Voting dates and deadlines: Ballots will be mailed on August 20. Electronic proxy will also be available on this date. Directions on electronic proxy will be included with the ballot and emailed to members with email addresses on file. All ballots must be received by September 24. The Teller's Committee will meet to verify the results of the election on September 30. Election results will be announced in November at AIChE's Annual Meeting in Austin, TX and in the December issue of *AIChExtra.*

2005 Election: President-Elect

John C. Chen

AIChE has been my professional home for the more than 40 years that I have worked in industry and academe. It has provided me opportunities for continued learning, for networking with colleagues worldwide, to present my own work, and to serve the profession and society. AIChE continues to do all this for chemical engineers in an ever more diverse and challenging environment, rightfully ranking as a premier professional society internationally.

And yet — I believe that today AIChE needs to evolve and improve. As Institute Secretary these past three years, along with other members of the Board, I experienced the difficulties imposed by a serious financial threat. We have successfully navigated past the immediate threat and are looking forward to rebuilding, but I believe that serious issues remain, including:

- Our membership is declining, at annual rate of 5-7% in recent years.
- The majority of new members drop out within 3 years.
- Though the great majority of members are in industry, our meetings attract only limited industrial participation.
- The changing work environment, including outsourcing of engineering functions, imposes different career challenges.
- The advent of new technical areas splinters our profession, and our prospective membership.

I believe that AIChE must maintain its position as an independent, premier engineering society. If elected I will work with the leadership and volunteers on such issues, with high priority goals of enhancing:

- Relevance of activities so that life-long membership is warranted.
- Technology transfer to attract industrial participation.
- Aids for career development in changing professional environment.

John is the C.R. Anderson Professor of Chemical Engineering at Lehigh University. His professional experience includes process engineer at Lummus Company, research group leader at Brookhaven National Laboratory, and professor, department chair, college dean, and research institute director at Lehigh University. John's chemical engineering degrees are BChE from the Cooper Union, MS from Carnegie-Mellon University, and PhD from University of Michigan. His research has received awards from AIChE, ASME, the Alexander von Humboldt Foundation, and the Max Planck Society.

A 40+ year member and Fellow of AIChE, John has served in a number of elected roles, including:

- AIChE Secretary, 2001-03
- Director, AIChE Council, 1994-97
- Chairman, Particle Technology Forum, 1994
- Founding member, Executive Committee, Particle Technology Forum, 1991-94
- Chair, National Heat Transfer Conference, 1988
- Chair, Heat Transfer & Energy Conversion Division, 1983

Rex Reklaitis

Chemical engineering has long been valued by the CPI as its leading discipline. Today it also has a vital role in supporting many other technology—and biology—based industries. Chemical engineers have had a real impact in these fields by virtue of their unique combination of molecularly based technical knowledge, process orientation and systems perspective. The challenge to the profession is to sustain its core while continuously refreshing its science base. This will ensure that it is an essential and valued resource for the broadening spectrum of new industries and continues to attract top talent to invigorate its ranks.

The challenge to the Institute is to be welcoming, relevant and energizing to chemical engineers working in increasingly diverse industry sectors.

The recent Institute restructuring has refocused it on providing high quality technical information, publications and meetings, attractive member financial programs, and multifaceted leadership/networking opportunities. With these essential functions relaunched and streamlined, the Institute must move forward with energy and creativity to build organizational excellence and grow our membership base. To accomplish this as President I will work to:

- Increase accountability, transparency and inclusivity in the conduct of all Institute affairs
- Promote the formation of specialized interest groups to address the professional, technical and research needs of chemical engineers in sectors with potential critical mass
- Accelerate the cost-effective use of electronic communication, publication, and member transaction tools through business partnerships and volunteer engagement

My goal is to make AIChE the preeminent resource for the professional growth and development of all chemical engineers.

Rex is Comings Professor of Chemical Engineering at Purdue University, where he has served as long term head of the School and as assistant dean of engineering. He received the BS from the Illinois Institute of Technology and PhD from Stanford University, both in chemical engineering. His technical interests involve the application of computing and systems methodologies to support the design and operation of processing systems. His work has been recognized by several national awards including the AICHE Computing in Chemical Engineering and ASEE Chemical Engineering Lectureship Awards.

An AIChE fellow, he has served on the Board of Directors from 1997-1999, was 2002 Annual Meeting Program Chair, and chairs the Publications Committee. He was also director, chair and programming coordinator for the Computing and Systems Technology Division and member of the National Program Committee.

A trustee and former president of CACHE Corporation, Rex is editor of the journal *Computers & Chemical Engineering* and member of several departmental and technical advisory boards.

2005 Election: Treasurer

James C. Hill

AIChE has just passed through its most critical period financially, and considerable care is still needed during recovery. As Treasurer, Jim will continue his efforts to keep the Institute independent and solvent. Recent business partnerships in publications, continuing education, and e-business (e.g. SVA), coupled with increased responsibility by volunteers are the kinds of efforts that should be continued. Programming and membership alliances now being negotiated will add value to AIChE membership.

The Treasurer serves on the Board of Directors' Executive Committee, chairs the Finance Committee, and is responsible for reviewing the Institute's financial affairs. Current emphasis must be on low-risk investment strategies and accurate short-term revenue forecasts. Membership retention is key, so membership services must be restored as the Institute's financial condition improves. The Board policy manual on finances and budgets needs revising, and a concerted effort is needed to restore the permanent fund to its level of five years ago. The news received last year about the financial condition of the Institute took many AIChE members by surprise; more timely reports are deserved.

Challenges and opportunities abound in AIChE. The Institute needs to be resilient and timely; young members need to be involved—especially in local sections; identity problems associated with blurring of the boundaries of the profession need to be solved; and a sense of loyalty and professionalism that makes chemical engineering great for us needs to be retained for the benefit of future members.

Biography

Jim Hill is University Professor at Iowa State University. He received his BS from Stanford and PhD from the University of Washington in chemical engineering. His professional experience includes positions at NASA, Shell Development, NCAR, Nagoya University, and CNRS-Rouen. Jim's research area is fluid mechanics and turbulence.

As AIChE director, Jim served on the Board's Core Values task force that developed the plan to stabilize the Institute's finances and continues to serve on the Phoenix Project Team for AIChE's path forward. He also served on the Constitution and Bylaws Committee, working on membership and financial auditing issues, and on the formation of subordinate institutes.

Jim is a Fellow of AIChE. He was chair of the Iowa Section, and Meeting Program Chair of the 1992 Annual Meeting. In addition, he has served on the Executive Board of the National Program Committee, the Societal Impact and Chemical Engineering Technology Operating Councils, and the Fluid Mechanics Programming Committee. Jim received AIChE's George Lappin Program Committee Service award in 1999.

Jim has also been vice chair of the U.S. National Committee on Theoretical & Applied Mechanics, and is currently a regional editor of the journal *Fluid Dynamics Research*. In 1994, he was named National Outstanding Advisor of Tau Beta Pi.

David Rosenthal

Dave is running for re-election as Treasurer of AIChE. During the past three difficult years, he has been dedicated to the task of transforming the Institute. Over the next three years, Dave sees AIChE's mission as building membership value by focusing on core technical offerings and fostering affiliations with other societies. In order for AIChE to remain a financially viable member-led society, the products and services delivered by AIChE must reflect the collaborative climate facing the chemical engineering profession. He pledges to:

- Rebuild the "balance sheet" of the Institute by focusing on core technical offerings, recognition of members in our profession, and maintaining a lean overhead. He stresses the need to rethink the current "societal home" mission in terms of its value and affordability.
- Preserve the integrity of the Institute, but strongly seek partnerships, alliances, and joint ventures with both smaller and larger technical societies. This value will do more to retain members—the Instiute's most pressing need— than any other membership offering.
- Support the AIChE initiatives in biotechnology and sustainability and fund them through cross-societal partnerships.

Dave has the experience, vision, and energy to pursue this platform. He seeks to build a professional society that reflects the collaborative environment found chemical engineering companies and institutions. Members can derive value from cross-societal engineering and scientific networks that offer common meetings, publications, and education through cost-effective media. He hopes to see the 100th anniversary of AIChE celebrated in 2009 by the entire engineering and scientific community.

Biography

Dave is with the Rohm and Haas Company as a Manufacturing Engineer leading their Manufacturing Excellence deployment throughout its businesses. Assignments during his twenty three-year career include process, project engineering and technical management in various facilities. In the Corporate Asset Management group, Dave developed the company's competency in Reliability and Equipment Utilization improvement.

Dave is the current treasurer of AIChE. He has served as a director, chair of the Executive Board of the National Program Committee and the Management Division, and was Meeting Program Chair for the 1996 Spring National Meeting. He is a member and past chair of the Delaware Valley Section (1988-1989).

Dave graduated from Drexel University with a BS in chemical engineering and from the University of Texas with a MS in chemical engineering. Dave is registered professional engineer in Pennsylvania.

Let the Good Times Roll: 2004 Spring Meeting

Over 1400 chemical engineers gathered for AIChE's Spring National Meeting in New Orleans, Louisiana April 25-29. The packed technical program featured 13 topical conferences on areas in emerging and core areas, plus special events like the popular Sunday night Welcome Reception and city tours of the ever-entertaining New Orleans.

The conference featured a keynote address by Jim Gallogly, president and CEO of Chevron Phillips Chemical Company, entitled, "From Smokestacks to Emerald Cities," that took a compelling look at the future of the chemical industry. Other program highlights included an IT Roundtable and Webcast, Nanotech mini-topical, Membranes workshop, and discussion on "The Profession in Transition," hosted by the Women's Initiatives Committee and the Management Division. The Spring Meeting also featured an open forum hosted by the AIChE Board on the new AIChE-ACS strategic partnership and media training for members. For more on these two events, see article below and on page 61.

SPRING CD-ROM PROCEEDINGS STILL AVAILABLE!

The 2004 Spring Meeting CD-ROM contains all submitted papers from the Spring topical conferences plus unaligned/non-topical sessions. Order by calling Omnipress at 1-800-482-4788 or email bzemke@omnipress.com. The post-conference price is $99 and includes shipping.

AICHE OFFERS MEDIA TRAINING SEMINARS

Thanks to a grant from the United Engineering Foundation (UEF), AIChE has initiated a series of media training seminars for volunteer leaders. The first seminars took place at the 2004 Spring National Meeting in New Orleans and were attended by 24 volunteer leaders from academia, industry, and government.

The goal of these seminars is to provide members with the tools and confidence to interact with reporters on a regular basis, raising the level of media exposure for chemical engineers and help the public better understand the benefits of the chemical engineering industries and profession.

"This media training taught me some of the strategies used by interviewers and better prepared me for interviews," said Michael Poirier, CEOC. "The skills learned will be valuable beyond interviews with the press. They can help in job interviews and when speaking before audiences. This training will help volunteers perform their jobs better," he added.

Media training is an essential professional tool for all chemical engineers. Said President Bill Byers, "It is a pleasure that AIChE is able to offer this kind of training to its volunteer leaders. It's an essential career-enhancing tool for members who are leaders in their profession and industry. And it's an important way we can thank our volunteer leaders for their time and dedication."

Customized for AIChE members, the seminars were led by a media relations expert Scott Elliott from Bravo Group, a public affairs and communications firm based in Harrisburg, Pennsylvania. Elliott has 25 years experience as a journalist and public relations expert to help participants learn key elements of successful media relations.

Participants learned how to prepare for interviews with newspaper, radio and television reporters, and discussed the significant differences between each media. Participants discussed their own experience with reporters and had the opportunity for immediate feedback from Elliott on how to approach "tough questions" often posed to chemical engineers by reporters critical of plant safety and chemical industry regulations.

Member Pete Lodal told *AIChExtra* that he was impressed by the questions and comments of his fellow attendees, "It was important to have had other people who had experience dealing with the media in the class for a successful give-and-take discussion."

Immediately following the session, attendees had the opportunity to participate in a mock interview with Elliott, which was videotaped. "Video coaching provides practical experience under simulated real-world conditions and is a valuable teaching tool," said Elliott.

All participants received a *Communications and Media Training Handbook* that contains practical suggestions and insights in working with the media. Members interested in a copy should contact Sarah Fewster, communications professional at saraf@aiche.org. During summer 2004, AIChE will offer additional media training seminars for volunteer leaders. Interested members should contact Fewster for more details.

ProjectConnect Grants for Local Sections — Deadline June 30

These $150-$300 grants assist AIChE sections in programming efforts geared toward students, recent grads, and new engineers. Apply today at http://www.aiche.org/mag/sections/projconngrants.htm. Questions? Contact Anette Ngijol, volunteer and member activities professional at 212-591-7478; anets@aiche.org.

BOARD HOSTS OPEN FORUM ON AICHE-ACS PARTNERSHIP

During the recent 2004 Spring National Meeting in New Orleans, AIChE's Board hosted an open session to discuss plans for the new AIChE-ACS Alliance that was announced in March.

The forum was well attended, including four past AIChE Presidents, at least one 50-year member of both societies, and a spectrum of other AIChE and ACS members. The comments and questions from attendees reflected a broad base of support for continuing partnering discussions.

More than a year of discussion between representatives of the two boards went into shaping the AIChE-ACS strategic partnership. It will focus on establishing cooperative programs in a number of areas of common interest and activity, including government interaction, sustainability and green chemistry, biotechnology, and separations, among others. The boards and governance of the two organizations will remain separate and autonomous.

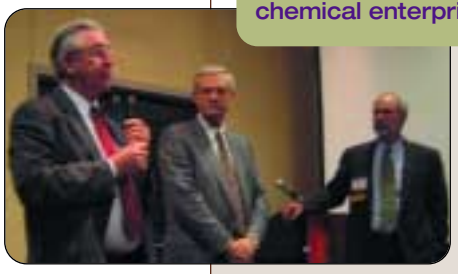
"The AIChE-ACS partnership will add value to membership," said President Bill Byers. "Partnering with ACS will extend our members' potential professional network fourfold within the chemical enterprise. This partnership will create new, vital networks—essential during tough economic times—in our members' geographic communities and in the subject areas in which they are interested.

ACS Chairman James Burke shared his enthusiasm for the partnership with AIChE members at the session, "Thanks to this partnership, ACS will be a better ACS. And AIChE will be a better AIChE. Together we will do things we could not do alone for the chemical enterprise."

The open forum featured extensive time for questions and answers, providing an important opportunity for members to learn more about the partnership and share their input. ACS held a similar forum for its members at its spring conference in March in Anaheim.

As reported at the New Orleans session, volunteer working groups from both organizations are being formed to explore opportunities for joint efforts in areas like professional development, technical divisions, membership, meeting programming, and local sections. In some areas, work is already underway. In the area of sustainability, volunteer leaders have developed joint programming for ACS' 8th Annual Green Chemistry & Engineering Conference, "The Business Imperative for Sustainability," June 28-30 in Washington, DC.

"Thanks to this partnership, ACS will be a better ACS. And AIChE will be a better AIChE. Together we will do things we could not do alone for the chemical enterprise."



ACS Chairman James Burke, AIChE Director Jim Porter, and AIChE President Bill Byers (from left) answer questions from members on the new AIChE-ACS strategic partnership at a Spring National Meeting open forum on the alliance.

Some sections and student chapters have already begun working together on joint projects. "At the forum we learned that several local sections and student chapters have always conducted joint activities with their ACS counterparts," said Byers. "And others indicated an intent to do so in the near future."

Under the partnership plan, a joint Board Task Force will monitor the progress of volunteer working groups and develop recommendations for additional activity to be delivered at a joint meeting of the boards in late summer.

"The member-to-member working groups are one of the most exciting parts of the plan," said Jim Porter, Vice President of Engineering and Operations at DuPont, Board member and task force leader for discussions with ACS to date. "Experienced and capable volunteer leaders from both organizations will work closely together to identify and explore areas of synergy, and advise the boards on how to unify and integrate our efforts.

During the open forum, members expressed concern that the unique identity of chemical engineering and the history of AIChE be preserved. Board leaders assured attendees that AIChE will continue to be autonomous, and that it was of utmost importance to all leaders and staff to preserve its legacy.

"This is not a merger," said Byers. "It is an opportunity to better leverage efforts in areas that are critical to both organizations. This partnership will offer greater value and professional networks to both memberships."

JUNE PROCESS DEVELOPMENT SYMPOSIUM: THE POWER OF TWO

Sometimes two are better than one. The 2004 Process Development Symposium, "Working Right on the Right Thing," held June 20-23, in Oak Brook, Illinois will be hosted by two of AIChE most active groups— the Process Development Division and Chicago Local Section. The symposium is chaired by member Annette Johnston, a leader in both the Process Development Division and the Chicago Section.

The conference will focus on two fundamental components to successful Process Development. The first is the communication and analysis tools necessary to determine "the right things to work on". The second is properly applying the right methodologies and technologies to the problem at hand, or "working right."

AIChE Director of Programming Joseph Cramer explains, "Despite the emphasis on product development and design, it is still critical that the process is right. We need to find the right things to work on and find the critical aspects of the process and improve upon them."

The sessions at the 2004 Process Development Symposium will explore the newest developments in both areas and how to apply them to current and future processes. This Gordon-style conference will feature three days of speakers, presentations, and tabletop shows with ample opportunity to share ideas with colleagues in a relaxed atmosphere conducive to learning and innovative thinking. There will be morning and evening speakers and free time in the afternoons to explore the sights of Chicago or continue discussions with colleagues. The estimated attendance is 125, representing both academia and industry.

"I am excited about this meeting," said Cramer. "Besides all of the technical aspects, exploring joint ventures between local section and divisions is an area of potential growth for AIChE and an area that we haven't had enough of in the programming area. We hope to repeat this for the next Process Development Symposium in 2006 and to extend into other efforts."

It's not too late to register. For Symposium information and registration, visit http://www.aiche.org/conferences/processdev/.

AIChE Member and University of Colorado Tissue Engineer Kristi Anseth Receives Coveted Waterman Award

Member Kristi Anseth, a chemical engineer at the University of Colorado at Boulder, is only 35, but already a nationwide leader in the study of biomaterials. This spring, the National Science Foundation (NSF) presented Anseth with the Alan T. Waterman Award, the foundation's most prestigious for a young researcher. The award includes a medal and a $500,000 grant over a three-year period to carry out research or advanced study in the field and institution of her choosing.

Anseth is an active AIChE member. She currently serves on the Chemical Engineering Technology Operating Council, and is a member of the Materials Engineering & Sciences Division. She has also served as an AIChE Chapter advisor at the University of Colorado at Boulder and chair of the Young Faculty Forum. In 2003, Anseth received AIChE's Allan P. Colburn Award for Excellence in Publications by a Young Member of the Institute.

Anseth's groundbreaking work—at the intersection of chemistry, biology and engineering-focuses on new biomaterials that are engineered to help the body heal itself. One day, this research may lead to wide use of easily replaceable body parts for people suffering from injuries or chronic conditions.

(l-r) Professor Kristi Anseth, chemical engineering grad student Danielle Benoit, and chemical engineering grad student Charlie Nuttleman.

Unlike synthetic body parts, such new materials may lead to new treatments for damaged knees, hips and even heart structures that will contribute to faster healing and a quicker return to a better quality of life.

"The scaffold is really just re-created tissues, and if you think of it like a building, this is a framework from which other structures can be formed," said Anseth. "The scaffold itself is designed to be injected into the body in liquid form. But when molecules are introduced and then light-activated, a gel-like material is formed that, when injected, provides the affected area with strength, stability and flexibility."

Anseth's lab was the first to develop light-activated biomaterials that would degrade and interact with cells, while promoting tissue regrowth. The hope is that these biodegradable, flexible materials may be available within a decade for medical procedures that will allow the "injection" of new body parts into people who suffer from debilitating injuries or diseases—without the trauma of major surgery.

The Waterman Award, created in 1975, is named for NSF's first director, Alan T. Waterman, and recognizes demonstrated individual achievements in scientific or engineering research that place the awardee at the forefront of his or her peers. Criteria include originality, innovation and significant impact on the individual's field of science or engineering. Candidates must be U.S. citizens or permanent residents, and may not be more than 35 years old, or seven years beyond receiving a Ph.D.

WILLIAM (BILL) HENCKE DIES: AICHE FELLOW AND VAN ANTWERPEN RECIPIENT

William R. (Bill) Hencke, AIChE Fellow and active member, died April 11 at the age of 81.

Hencke left behind a legacy of professional, academic and Institute service, particularly related to professional development for chemical engineers. He served as chair and member of the AIChE Professional Development Committee, starting workshops for members on writing cover letters and interviewing skills. He helped to expand the Annual Student Conference by offering the first career workshops to students, which are now a staple of these conferences. Hencke worked closely with chemical engineering students both at conferences and as a Student Chapter Advisor at Lehigh University, helping students to develop critical job-search skills.

Hencke served as AIChE Foundation Trustee, chair of the Steering Committee, as well as member of the Pubic Relations Committee. He was active in his local section throughout his professional career.

In 2000, Hencke received the F.J. and Dorothy Van Antwerpen Award for his contributions to chemical engineering and service to AIChE.

"Bill truly enjoyed the chemical engineering profession; he devoted his years after retiring from Texaco to helping and mentoring young chemical engineers," said AIChE director Phil Winkler. "Bill was passionate about his professional development activities that helped countless students and young engineers; his programs have become a mainstay for AIChE."

A Navy veteran, Hencke served in World War II as a Lt. (jg). He received his BS in 1944 from Virginia Polytechnic Institute and MS in 1947 from the University of Michigan.

Hencke was employed as a chemical engineer at Texaco from 1947 to 1985, and worked to develop the world's first continuous manufacturing method for making grease. During his career, he was awarded 10 patents. After retirement, Hencke was an adjunct professor at Lehigh University until his death.

The recipient of Boy Scouts Silver Dinosaur Award, Hencke was active in Boy Scouting from 1955 to 2004, most recently serving on the Council Commissioners Staff and Council Advisory Board.

Hencke was a resident of Luther Crest in Allentown, and he is survived by his wife Edith, his sister Ruth Mullaney, children Richard, Randy, James and Judy Houston, ten grandchildren and two great-grandchildren.

OBITUARIES

Ralph W. Berger, 85, *Park Ridge, IL*
Clarence Derick, 95, *Champaign, IL*
Roger Eckert, 78, *W Lafayette, IN*
Bill Hencke*, 81, *Allentown, PA*
James I. Montgomery, 73, *Bucks, England*
Kafui Nyavor, 44, *Tuskegee, AL*

**Fellow member*