

Chemical Engineering NEWSLETTER

Winter 1996

Purdue University

Dear Alumni and Friends of ChE:

We have celebrated the retirement of two of our dedicated senior colleagues, the elevation to distinguished professor status of three of our outstanding faculty, the presentation of a number of alumni awards, and the recognition of students, staff, and faculty through campus and national awards.

Although our ranks have been growing, our faculty of 23 and staff of 24 are nonetheless quite challenged with the needs of our burgeoning academic program. Over the 94-95 academic year we graduated 185 BS, 20 MS, and 21 PhD Chemical Engineers, sustaining our position as the largest undergraduate and one of the five largest ChE graduate programs in the US. The 95-96 graduating BS class will exceed even that number, becoming the largest in the history of this School, while the advanced degree graduation will be sustained at last year's level. Fortunately, the job market for ChE has significantly improved and the enrollment cap which had been imposed for the past two years is leading to smaller junior and sophomore classes. Nonetheless, our staff and facilities will certainly remain stretched for the next few years.

The School is planning to create an Alumni Relations Office to establish links with and among the many Purdue chemical engineers, some 8,000 strong, around the country and the world. The preparatory efforts for the office have been made under the aegis of the Alumni Relations Committee, chaired by John Lillich (BS '63). We are seeking to identify alumni who would be interested in becoming involved with the Office, as director, volunteer, or class contact. We would be delighted to hear from you via phone or by means of the return card which is part of this newsletter.

Please stay in touch, visit the School during upcoming months, join us for the Alumni breakfast during Gala Week-end and Homecoming, and plan to participate in the reception to be held at the AIChE fall meeting in Chicago. Our vision remains to be the premier source of well educated chemical engineers in the US: that vision can only be achieved with your help and involvement!

Professors Chao and Emery Retire



Professor Chao,
Harry Creighton Pepper
Distinguished Professor

Professor K. C. Chao graduated from National Chekiang University with his bachelor's degree in chemical engineering in 1948 and worked as a chemical engineer with Taiwan Alkali Company. In 1951 he began graduate work at the University of Wisconsin, studying under the legendary Professor Olaf Hougen. After completing his PhD he joined Chevron Research in Richmond, California. There he collaborated in the creation of the widely used and cited Chao-Seader correlation for predicting vapor-liquid equilibrium of hydrocarbon fluid mixtures, a contribution which was designated a Citation classic in 1981. Prof Chao joined the ChE faculty at Purdue in 1968.

He has made many contributions towards the understanding of the thermodynamics of fluids, using methods of classical thermodynamics as well as statistical mechanics. Notable among his accomplishments have been a series of descriptions of molecular fluids, including the Chain-of-Rotators equation of state. On the experimental side, Professor Chao and his co-workers have developed and exploited a unique experimental apparatus for measuring high temperature and high pressure phase

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Alden Emery . . .
after 41 Years of Service

Professor Alden Emery concluded his fifth year under the early partial retirement program of the University and retired in May, 1995. He had one of the longest tenures of any faculty member, 41 years. He received a BS from Penn State in 1947, an MS from M.I.T. in 1949, and a PhD in 1954 from the University of Illinois. Between 1949 and 1952 he worked for E.I. duPont de Nemours. He came to Purdue in 1954 and was initially involved in research on the thermodynamic properties of fluids, mass transfer and fluid mechanics. After a 1971 sabbatical leave to Israel he changed research directions and started working on biochemical engineering. In the 1970's and 1980's he formed a biochemical engineering research team with H.C. Lim and G.T. Tsao.

In addition to his many contributions to the chemical engineering curriculum and the large number of students he supervised, he contributed to all aspects of student-faculty relations. Many alumni will remember him as the professor in charge of the undergraduate laboratory, as the individual most at the heart of the Catalyst Club, which he directed after 1966, and as the author of the humorous skits performed by the faculty

(continues on page 2)

Chemical Engineering Distinguished Professors



R. Games Slayter
Distinguished
Professor of
Chemical Engineering

Professor Robert A. Greenkorn has been named the R. Games Slayter Distinguished Professor of Chemical Engineering. He is also Special Assistant to the President, Vice President for Special Programs of the Purdue Research Foundation, and Research Coordinator of the Indiana Pollution Prevention and Safe Materials Institute at Purdue. He received his BS (1954), MS (1955) and PhD (1957) in Chemical Engineering from the University of Wisconsin. He came to Purdue in 1965 and two years later was named Head of the department, a post which he held until 1973. This was followed with an impressive list of administrative posts within the university. During all this time he has managed to continue teaching, do research and continue to publish.

Prof. Greenkorn's current research interests are mainly concerned with the environment. Specifically they are flow, mass transport, and reaction in spatially variable porous media, pollution prevention and the equilibrium thermodynamic properties of fluids. His current management responsibilities include federal relations with the Indiana congressional delegation and with groups of the educational associations, Indiana economic development, Purdue Research Park development, academic modeling, and research coordination for the Indiana Pollution Prevention and Safe Materials Institute.



Showalter
Distinguished
Professor of
Biomedical Engineering

Professor Nicholas A. Peppas is the Showalter Distinguished Professor of Biomedical Engineering. He received his Dipl. Eng. in 1971 from the National Technical University in Athens, and his Sc.D. from MIT in 1973. He has been at Purdue since 1976. His research contributions have been in several areas of polymers and biomedical engineering, especially in controlled delivery of drugs, peptides and proteins, development of novel biomaterials, biomedical transport phenomena, and biointerfacial problems.

Prof. Peppas is internationally known for his work on the preparation, characterization and evaluation of the behavior of crosslinked polymers known as hydrogels, which have been used as biocompatible materials and in controlled release devices. In the field of controlled release, his group has provided the fundamental basis for a rational development of such systems. In addition, his work has led to a series of novel controlled release systems known as swelling controlled release systems and a wide range of bio- and mucoadhesive systems. Other biomedical work of his group has dealt with understanding of transport of biological compounds in tissues, analysis of polymer/tissue interactions, and understanding of the behavior of biomembranes. **Prof. Peppas** has published extensively, with far-ranging interests. His wide recognition is also evidenced by the numerous awards he has received for both research and teaching.

K.C. Chao

equilibrium which has found particularly fruitful application in the study of the VLE properties of coal-derived liquids.

A fellow of the American Institute of Chemical Engineers, he is listed in numerous biographical references, was named Honorary Professor of both the Beijing Institute of Chemical Technology and Zhejiang University, and appointed Harry Creighton Peffer Distinguished Professor in 1989. He was granted emeritus status in December 1993 and he received the 1994 Donald L. Katz Award of the Gas Processors Association in recognition of outstanding accomplishments in gas processing research and excellence in engineering education.

A thermodynamics symposium was held in his honor on September 15, 1995 with a banquet attended by friends, colleagues and former students.

Alden Emery

at Razz Banquets (at the time of his retirement, it took a committee of no less than five to do what Alden had done on his own for so many years—come up with a funny skit!). He also served as academic advisor for various student societies, such as Omega Chi. For more than 20 years he was the graduate student administrator, and for almost 30 years he was the faculty member in charge of the qualifying exam for the PhD degree. His extensive collection of photographs records the various eras of the school's development.

A banquet in Alden's honor was held on April 29, 1995 at which a memory book was presented, along with a collection of the skits authored by him over the years for the Razz Banquet. Along with his jazz band, Alden entertained the assembled friends, colleagues and former students.

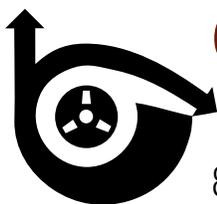


Harry Creighton
Peffer Distinguished
Professor of
Chemical Engineering

Professor Doraiswami Ramkrishna

has been named to succeed Professor K.

C. Chao as the Harry Creighton Peffer Distinguished Professor of Chemical Engineering. He received his BSChE at the University of Bombay in 1960 and his PhD from the University of Minnesota in 1965. He came to Purdue in 1976. Internationally known for his expertise in applying mathematics to many chemical engineering problems and to processes in biochemical engineering and theoretical biology, **Prof. Ramkrishna's** research interests include population balance modeling, which can be used to predict properties of chemical processes. In this area he has developed mathematical models to describe transport and reaction mechanisms in systems where components are not all the same size, shape or density. The models can be applied to systems involving crystals, cells, and droplets of one liquid suspended in another. In another approach to modeling packed bed reactors, he has shown how spatial patterns of operating states within the bed can produce dramatic improvement in product quality. Much of this work attempts to show that, contrary to popular belief, mathematical abstraction can be of great work to solve practical problems and mathematical theories become useful when one recognizes the abstract setting of the problem.



Gala Weekend

April 20, 1996

8:30 a.m.—10:30 a.m.

Refreshments and
Tour of Building

Join Us in Room 8—Student Lounge

Industrial & Alumni Relations

The latest meeting of the Industrial Advisory Council was held on September 22-23, 1995. Some twenty corporate representatives attended the September meeting to review the progress of the School and chart its future endeavors. One of the initiatives which was strongly endorsed was the completion of a strategic plan for the revitalization of the instructional laboratories of the School. **Wayne Muench** has undertaken this initiative under the aegis of the faculty Facilities Committee, chaired by **Professor Elias Franses**. The first goal of this plan is to substantially renovate and re-equip the senior ChE laboratory over a period of three years. Subsequent goals include the development of laboratory facilities to support the core junior year courses. The comprehensive senior lab revitalization project will require support from all possible sources: federal, institutional, and private, including our loyal alumni. A campaign to develop such support will be launched later in 1996.



Outstanding Chemical Engineers



William Eykamp 
Retired from Abcor

William Eykamp received his BS from Purdue in 1958 and his PhD from MIT in 1965. He was employed by AD Little and Millipore until he joined Abcor, of Wilmington, MA in 1972. He became President of Abcor from 1980 to 1987. At Abcor he developed advanced methods of electrostatic separations and is the author of more than 30 patents. He retired from Abcor, Inc. in 1987. In 1989 he was a Visiting Scholar at the University of New South Wales. From 1988 to 1992 he was a Visiting Professor at the University of California, Berkeley. Since then he has been a Consultant.



Craig McLaughlin 
President
Texaco Development Corporation

Craig M. McLaughlin earned a BS in 1968, an MS in 1970, and a PhD in 1972, all in Chemical Engineering from Purdue University. He joined Texaco's Engineering Department in Houston as a senior engineer in 1972. After various assignments, in 1977 he began a two-year assignment in Milan, Italy, where he worked on process design for Pembroke Cracking Company, a Texaco affiliate in the United Kingdom. In 1980 he served on temporary assignment from the Engineering Department for the Cool Water Coal Gasification Program, in which Texaco was an equity participant. In 1982, following a six-month assignment in Texaco's executive offices at Harrison, NY, McLaughlin returned to Houston to coordinate gasification and computer control technologies. In 1983 he was named Chief Process Engineer at Texaco's Port Arthur, Texas refinery. He was named Manager - Licensing for TDC in 1985 and Executive Vice President in 1986. He was elected President of Texaco Development Corporation (TDC) in 1992.



William E. Smith III 
Executive Director of Engineering
Eli Lilly & Co.

William E. Smith III has been executive director of engineering for Eli Lilly and Company since June 1990. He had served as director of engineering (manufacturing, development, and environmental facilities) since October 1989. Smith received a BS ChE from Purdue University in 1969 and an MBA from Butler University in 1976. After two years with the Ceilcote Company, he joined Lilly as a process engineer in 1971, became operations coordinator of the antibiotic purification pilot plant in 1974, and of the antibiotic fermentation pilot plant in 1977. In 1978, he was named manager of process instrumentation design engineering and in 1983 became manager of facilities planning for production operations. He was named technical director of capsule operations in 1984 and general manager of capsule operations in July 1986.

University Honors



Distinguished Engineering Alumni

Che-I Kao & Robert N. Postlethwait



Lowell Koppel 
Director and Senior
Consultant with
Setpoint, Inc.

Lowell Koppel, Head of the School of Chemical Engineering from 1973 to 1981, was recognized for his outstanding achievements in the profession and his contributions to the school. He is currently a director and senior consultant with Setpoint, Inc. During his 24 years at Purdue, Professor Koppel taught over 2000 undergraduate and graduate chemical engineers, and supervised the research of more than 40 students. He chose to teach virtually all undergraduate courses at least once himself. An active proponent of university-industry relations, he focused companies' awareness on the problems of modern universities and paved the way for major collaborations between industry and academia. In 1981 he established an Advanced Control System laboratory.



Che-I Kao is chief scientist and a research fellow at Dow Chemical Company in Freeport, Texas. At Dow he has led the development and commercialization of Insite technology, a catalyst technology that has produced two new kinds of polymers. A holder of six patents, he is a member of the American Chemical Society, the American Institute of Chemical Engineers, and the Society of Plastics Engineers. In 1993 he received the Herbert H. Dow Medal, which recognizes scientists whose efforts have made a significant contribution to the success of the company. He is the third engineer to receive the honor from the company. After receiving his bachelor's degree from the National Taiwan University in 1963, he earned master's and doctoral degrees from Purdue in chemical engineering in 1966 and 1968, respectively.



Robert N. Postlethwait is president of the central nervous system business unit of Eli Lilly and Company in Indianapolis. One of the three main pharmaceutical business units of the company, the unit's product line includes Prozac, the world's leading antidepressant drug. He joined Lilly in 1960 and has held many positions, including managing facilities in Brazil and Argentina. In 1992 he was appointed vice president of the European area with responsibilities in Benelux, the Nordic countries, Portugal, France, Italy, and the United Kingdom. He assumed his current position in 1994.

Growing up in West Lafayette, he received his bachelor's degree in chemical engineering from Purdue in 1970, and an MBA from Butler in 1974. He also completed the advanced management program at the Harvard Graduate School of Business in 1988.

Staff News



Muench

In January of 1995, Wayne Muench joined the School of Chemical Engineering as director of instructional laboratories. With a PhD from Purdue in Organic Chemistry (1973), he has over 20 years of industrial R&D experience with Dow Chemical and Great Lakes Chemical, including man-

agement of significant bench and pilot scale product and process development projects.

Mrs. Katie Eckman, who has served the School for many years, most recently as Undergraduate Program Administrator, entered the early partial retirement program offered by the University. Under this program, she will assume half-time duties for a period of up to 5 years. Over the many years in which the undergraduate office has been in her charge, she has devoted herself totally to the needs of our undergraduate students. Her caring, energetic efforts have been highly appreciated by the students and have been recognized by university-wide awards. **Ms. Lisa (Burge) Bunch** (BS ChE '87), who worked for Eli Lilly for six years as a staff engineer as well as the Department of Freshman Engineering, has been chosen as Mrs. Eckman's successor.

The School also had to seek a replacement for the CHME building deputy, **Mr. Jerry Haugen**. After a search of some three months, a successor was found in **Mr. Jeff Valley**. During the interim period of some three months, **Mr. Richard Lowe**, our Electronics Technician served as acting building deputy in an exemplary fashion.

Chemical Engineering Graduate Research Symposium

The Graduate Student Organization of the School conducted its annual Research Symposium in August. The program features formal presentations by students in two parallel sessions as well as a poster session in which the work of more junior research students is exhibited. Sixteen CPI companies were represented and these representatives served as the jury for the selection of the best presentations.

1994 Graduate Student Symposium winners

Session I	First	Dina Colucci
	Second	Doug McWilliams
	Third	Adam Starry

Session II	First	Scot Beck
	Second	William Mahoney
	Third	Stacey Fu

1995 Graduate Student Symposium winners

Session I	First	Matthew H. Bassett
	Second	Jeffrey D. Bielefeld
	Second	Ramprasad Ramkrishnan

Session II	First	Bryon Maner
	First	Christine Hutchinson
	Second	Christopher Panczyk
	Second	Christopher Brazel

Instruction Awards

The fine contributions of the teaching assistants were recognized through the 1995 Purdue University Magoon Awards which **Rob Crane** and **Steve Honkomp** received. **Chris Brazel** was selected by the seniors for the Award for Teaching Excellence in the Undergraduate Laboratory.

The 1995 student awards voted by the faculty were announced at the annual Razz Banquet. The Junior awards went to **Jennifer Harting**, who won the Stephen Craig Award, and **Melissa Laucks**, the George T. Tsao Award. Among the seniors, **Michele Bland** won the Omega Chi Epsilon Award; **Jeffrey Lander** the Lottes Award, while the American Institute of Chemists Award was given to **Nicole Lark**. The AIChE Outstanding Senior Award was presented to **Lisa Ingamells**. The annual Senior Design Project Award, given to the student team which produces the best design for a longer term case study executed in the senior process design course, was shared by the design group of **Michele Bland**, **Edward Crane**, and **Dennis Willig**. The second place team consisted of **Jennifer Cook**, **James Wagler**, and **Kerri Wilkinson**.

Faculty News

Faculty Appointments

During this year, the School attracted to our faculty **Professor Osman Basaran**, who was group leader and senior development staff member in the Chemical Technology Division of Oak Ridge National Laboratory. Professor Basaran joined our faculty in July, 1995. His expertise lies in fluid mechanics and transport phenomena with emphasis on multiphase flow systems involving bubbles, drops, jets, atomization, and coating phenomena. He is both highly accomplished in mathematical modeling of such phenomena and in experimentation. Prior to his ORNL appointment he served as Senior Research Engineer with Air Products & Chemicals. His BS ChE is from MIT (1978) and PhD is from the University of Minnesota (1984). He joined the faculty as full professor without tenure. Additional faculty appointments this year included the advancement of **Professors Takoudis** and **Venkatasubramanian** to the rank of full professor. **Professor Wankat**, who has been the Head of Freshman Engineering, is now the Interim Director of Continuing Engineering Education. **Professor John Wiest** left the faculty to take a position at the University of Alabama.



Basaran



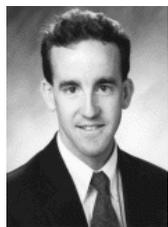
Takoudis



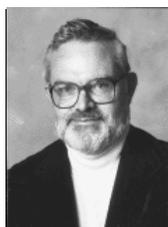
Venkatasubramanian

Professional Recognition

Faculty recognitions achieved this year included **Professor Frank Doyle** winning both the Shreve Outstanding Teaching Award of the School and the A. A. Potter Award for Excellence in Teaching. He was also selected as the Engineering nominee for the 1995 Packard Fellowship. **Professor Nicholas Peppas** received AIChE outstanding paper and session awards for his contributions to the AIChE annual meeting. He was awarded the 1995 APV Medal for his contributions to pharmaceuticals research at the 7th International Conference on Pharmaceutical Technology held in Budapest May 9-11, 1995. He was also the recipient of the 1994 Food, Pharmaceutical and Bioengineering Division Award in Chemical Engineering given by the AIChE. **Professor Ramkrishna** served as Melchior Visiting Professor at the University of Notre Dame in Fall, 1994, and as a visiting professor at the Jawaharlal Nehru Centre for Advanced Scientific Research in India in Summer 1994. He also was named UDCT Diamond, a distinguished alumnus award of the University of Bombay. **Professor Reklaitis** was elected a Fellow of AIChE, and he received the 1994 Chemical Engineering Division Lectureship Award of the American Society for Engineering Education. **Professor Squires** received the Catalyst Award for outstanding teaching of the Chemical Manufacturers Association and the 1995 ASEE Chester F. Carlson Award for distinguished accomplishments of an educational nature on the basis of his pioneering educational simulated industrial experiment modules. **Professor Wankat**, received the 1994 American Chemical Society Award in Separation



Doyle



Squires



Wankat

Science and Technology for his long-term research and educational contributions to the separations field.



Delgass— New Associate Head

To ensure that our students and School are more effectively served, this Fall the faculty selected and Board of Trustees confirmed **Professor Nicholas Delgass** as Associate Head of the School. A member of this faculty since 1974, Professor Delgass has contributed to the School, the University, and our profession in many leadership capacities, including editorship of the *Journal of Catalysis*. As Associate Head, he has assumed full academic program responsibilities, including direction of the undergraduate office and planning and staffing of ChE course offerings. In collaboration with the Undergraduate Curriculum Committee, chaired by **Professor Takoudis**, and the Undergraduate Office staff, **Professor Delgass** has overseen the ABET accreditation visit which the Schools of Engineering successfully underwent in November.

Alumni News

1935

John O. Shive, who retired in 1980 as president and general manager for Sterling Steel Casting Company (now St. Louis Steel Casting Co.), sends his greetings to his classmates.

1937

George Perkins is president/consultant of the Wellness Institute, Inc. in Louisville, Kentucky. He is also the chair of the Alcohol & Other Drug Abuse Committee, Rotary District 6710. He's produced a videotape on intervention and developed a nationwide network of professionally trained interventionists.

Charles E. Reiley retired as manager of manufacturing (Domestic and Caribbean) of the Clorox Company. He and Louise (Lyman—class of '41) are the parents of three, grandparents of six, and great-grandparents of a girl born on the fourth of July! He is also chairman of the "The Duffers" (Atlanta Athletic Club).

1947

Richard G. Dalbke recently retired as president of Admiral Environmental Services, which he founded in 1970 as Admiral Water Services. Prior to that he was responsible for engineering of wastewater and water treatment systems for Kaiser Engineers. He entered the environmental field in 1963 when hired by the Metropolitan Sanitary District of Chicago. Two years in production with DuPont preceded that assignment, as did fourteen years with Dearborn Chemical.

1948

James M. Black, Jr. was director of manufacturing - VP of Cosden Oil (Fina Oil & Chemical) until his retirement in 1988. He continued work by contract until 1990.

1949

Robert E. Salveter retired as manager, resident product engineering with RCA Corporation.

1950

Otto M. Ikeda, a far East specialist, is retired. He writes that his last employment carried him to Japan, Taiwan, South Korea, Hong Kong and Singapore in the electronics/chemical field.

Robert J. LaFortune received an honorary degree from the University of Tulsa.

1952

S. George Bankoff (PhD) was the recipient of two awards from the AIChE: the 1994 Robert E. Wilson Award in Nuclear Engineering, and the Heat Transfer & Energy Conversion Division Award from the AIChE in 1995. He is the Walter P. Murphy Professor of Chemical and Mechanical Engineering (Emeritus) at Northwestern University.

Robert E. Hannemann was elected vice president of the American Academy of Pediatrics.

1954

John P. Chesick is a professor of chemistry at Haverford College in Philadelphia.

Robert F. Hill retired in 1989 from General Motors Research Laboratories, where he was Supervisor of the Isotope Laboratory and Radiation Safety Officer. He holds four US patents and over 40 publications involving the use of radioisotopes in corporation research projects.

1955

Loren R. Graham was elected to the American Philosophical Society. He is also the author of *The Ghost of the Executed Engineer; Technology and the Fall of the Soviet Union*.

Carroll E. Voss is president of Arrow Adhesives Company in Norcross, Georgia. The company, which he founded, has celebrated its thirtieth year.

1956

Richard C. Lyon is president of ECO Waste Technologies of Austin, TX.

1957

Myung Soo Chun (whose name was misspelled in the last newsletter—our apologies) retired in January 1993 and is living in Anaheim, California. Along with his industrial experience, he has 8-1/2 years' teaching experience at the junior college level. He also writes that his son, Frederick, is majoring in environmental engineering at California-Riverside.

1959

Joseph C. Shockney is vice president for planning and development for Diamond Shamrock, Inc. in San Antonio, Texas.

Richard A. Surber is vice president of quality for Inland Container Corporation in Indianapolis.

H. Parker Wayland, Jr., a project manager for Central Engineering Services of Martin Marietta Energy Systems, Inc., earned his MSChE in 1972 and MBA in 1988 from the University of Tennessee. He is presently working on projects for facilities to treat mixed hazardous and radioactive wastes for final disposal.

1960

Roberta Banaszak Gleiter, of North Hollywood, is serving on the board of directors of the Society of Women Engineers for 1994-96. She was honored as Aero-space Woman of the Year in 1985 and received an Aero-space Achievement Award in 1983.

1962

James H. Peery is Vice President, Production for Exxon Company USA.

T. Y. Yan (MS '62, PhD '63), Senior Research Scientist in the Strategic Research Center at Mobil Research and Development Corporation, retired recently. In recognition of his service to the company he was awarded a check in the amount of \$2000, which he kindly donated to the School of Chemical Engineering.

1963

Walter J. Nunning was promoted to senior fellow in research and development for Monsanto Chemical Co.

1964

Rudolph A. Stewart retired from Monsanto Co. after 24 years and formed R.A. Stewart & Associates, Inc., a plastics resource management firm.

Dennert O. Ware was promoted to president of the worldwide biochemicals business unit of Boehringer Mannheim Corp.'s diagnostics division.

1965

Kenneth A. Anderson is vice president of sales and marketing for Ross Environmental Services, Inc. in Maumee, Ohio.

1970

Col. James A. Thomas Jr is a Defense Acquisition Program Analyst in the Office of the Under Secretary of Defense at the Pentagon. He completed the U.S. Army War College at Carlisle Barracks in Pennsylvania.

Michael A. Tucker is a specialist in Process Planning with Caltex Petroleum Corporation.

1972

John D. Grove is a vice president of operations for Northfield Laboratories in Lake Bluff, Illinois.

Thomas Q. Henry is a partner with Woodard, Emhardt, Naughton, Moriarty & McNett in Indianapolis and is on the Indiana State Bar Association Board of Governors.

Glen A. Richardson received the 1994 Distinguished Society Service Award from International Society for Measurement and Control.

Z. Peter Sawicki, Oromo, MN, was named a "leading attorney" by his peers as a result of a statewide survey of lawyers conducted by the publisher of *Guidebooks to Law & Leading Attorneys*.

1974

Stephen C. Dodd is the executive vice president for the Davey Company, a manufacturer of binders board for the book manufacturing industry.

Cheryl J. Every was named director of leasing for the commercial real estate firm, The L&B Group, in Keller, Texas.

1975

Peter Buzzard works for Vista Chemical in Westlake, Louisiana. He is married and has three children: Sam, Michelle, and Andrew.

Lon A. Offenbacher was promoted to director of product engineering for the Inland Fisher Guide Division of General Motors Corporation.

Dr. Tom Chung-hu Tsai (MS, '73, PhD '75) is a process engineering associate with Dow Chemi-

cal in Freeport, Texas. He was awarded the Dow Chemical Company's 1993/94 Environmental Care Award in recognition of his contribution in developing process technology that improves the environment.

1977

Robert E. Grady Jr. was promoted to products manager of MBTE feedstocks for Huntsman Corporation.

1978

Stacey (Craib) Clark works in our department, so if you are at Purdue, stop by CHME 209 and say, "Hello!" Stacey switched jobs from Csite Specialist (Civil & ChE) to a new 3/4 time academic year job of "Chemical Engineering Associate Site Specialist." Her husband Steve Clark (BS '79, PhD '82) works at Batch Process Technologies, in West Lafayette.

1979

Gary A. Thoe (BS '79, MS '80) earned an MBA from Indiana University in 1988 and is president of Mayhill Publications, Inc. in Knightstown, Indiana.

1980

Lisa D. (Featherstone) Freismuth has joined the staff of Reed and Co. P.C. as a staff accountant in Lafayette.

W. David Harding earned his Ph.D. in Chemical Engineering at Northwestern University and is an assistant professor at the University of New Haven in West Haven, Connecticut.

Jack Horvath is a plant manager with Procter and Gamble Pharmaceuticals in Norwich, New York. He and Carol have two children.

Ronald Ziegelbaur (MS) is a missionary/technical services for Evangelical Covenant Church in Chicago. He returned home from Zaire to marry Janet George. They returned to Zaire for two more years of maintenance and literacy work.

1981

Barry A. Curtis is a consultant with Arthur D. Little Inc. in Houston.

Lewis Ludwig, senior territory manager for Coastal Chemical Company in Naperville, Illinois, writes to say that he's "enjoying the sales end of this industry."

1982

Kevin H. Erwin, of Granger, Indiana, is senior vice president of NorCen Bank.

Clark J. Fuhs is a senior industry analyst for Dataquest, Inc. in semiconductor equipment and manufacturing.

Philip C. Krause is a cardiac electrophysiologist with Arnett Clinic in Lafayette, Indiana.

Lori L. McPherson is a product manager for Signet Scientific. She writes that she was married in 1990 while in California, had a baby girl in 1992, and after moving from Colorado to Virginia to California, she is now in Maryland and loves her work. She still plays the cello and is part of a group from Towson State University.

Timothy D. Simpson was named director of management information services at Fairfield Manufacturing.

1983

Wendy L. Berger works with geographic information system software to explore alternative development potentials for projects.

Richard O. Brajer was promoted to director, North America, diabetes health care marketing for Becton Dickinson and Company.

Julia M. Horvatic earned a master's degree in management and organizational behavior from Illinois Benedictine College, and works for Delta Management.

Andrew P. Reusser dropped by the department to visit and to say that he's a project engineer with Huntsman Corporation in Port Naches, Texas.

Jeffrey J. Rondini was transferred by Price Waterhouse now heads the start-up of a manufacturing consulting practice in Sydney, Australia.

Theodore V. Smits, a lieutenant commander in the U.S. Navy, reported for duty at Project Manager, naval sea systems command, in Arlington VA.

1984

Stephen G. Bell is president of Bell Realtors and president and founder of Azeotrope Builders in Brownsburg, Indiana.

Cynthia Sexton Cox is a captain in the U. S. Air Force assigned to the Pentagon.

Kevin J. McLaughlin was transferred with Vista to Lake Charles within the technical service and manufacturing support division.

Alan Wilson (MS) is a senior engineer with Arco Alaska in Anchorage.

1985

Bose E. Agnew completed a master's degree in environmental engineering at Georgia Tech.

Laura (Ross) Launikitis graduated from Syracuse University with an MBA in marketing/organizational management.

W. Pleasant Nelson is a group leader with Huntsman Corporation in Port Naches, Texas.

1986

Kristen Dahlgren is an Advisory Product Marketing Specialist with IBM in Rolling Meadows, Illinois.

Marta Hilton is a senior account representative with DuPont Electronics.

Richard S. and Laura Zobus Kempf are both in UOP's Engineering Design Department. Rick is working on computer modeling of UOP's processes and Laura is on the Platforming Design Team. They are the very proud parents of Erin Elizabeth, born February 16, 1994.

Robert A. Kranz was promoted to sales coordinator for the M. W. Kellogg Company in Houston, Texas.

R. Scott Risk joined GM/Inland Fisher Guide in Vandalia OH, as a manufacturing engineer in the instrument panel division.

David N. Thompson completed his PhD in Chemical Engineering at Michigan State.

1988

Tony Mikos (MS '85, PhD '88), the T. N. Law Assistant Professor of Chemical Engineering and Bioengineering at Rice University, received the Whitaker Young Investigator Award for his research in tissue engineer-

Marriages

Danielle K. Becker ('94) and Eli V. Hestermann (May 21, 1994)

Eric Brethauer ('92) and Tracy J. Guy (Sept. 10, 1994)

Janice D. Burns ('93) and Trent M. Worden (June 12, 1994)

Caren N. Coffey ('92) and Brian Hahn (May 3, 1994)

Dominick, Denise A. ('94) and Leif C. Sorensen, (May 26)

Lisa C. Fuqua ('87) and William A. Groves (Sept. 5, 1993)

Stephanie A. Habegger ('92) and Mark A. West ('92) (Oct. 1, 1994)

Susan J. Hamilton ('90) and Jeffrey Sparks (July 2, 1994)

Kendra S. Heger ('94) and Andrew W. Mattison (July 30, 1994)

Kristin L. Hickey ('92) and Daniel F. Thunhorst (Aug. 20, 1994)

Kimberly J. Hoeltje ('93) and Jay M. Ahlbrand (March 5, 1994)

Steven D. Hoop ('94) and Lisa B. Schafer (June 4, 1994)

John C. Hughes ('94) and Ann R. Coolman (Oct. 29, 1994).

Jennifer L. Johnson ('95) and Michael A. Gresley (May 20, 1995)

Theodore J. Kobus III ('87) and Loren A. Scola (Dec. 2 1994)

Paul M. Lipic ('93) and Sharon A. Valley (June 25, 1994)

Chad R. Lischkge ('94) and Paula Trentman (Oct. 15, 1994)

Kimbra D. Mann ('92) and Stephen Parker (Nov. 20, 1994)

Theresa M. Moran ('90) and Michael L. Kinasiewicz (June 25, 1994)

Daena R. Nelson ('86) and Daniel J. Slagle (Oct. 9, 1993)

Amie M. North ('91) and Steven Best (May 21, 1994)

Alan B. Pruitt ('93) and Ann B. Klein (June 18, 1994)

Laura E. Ross ('85) and James A. Launikitis (June 11, 1994)

Raymond S. Rudek, Jr. ('91) and Kimberly (May 28, 1994)

Jennifer St. Onge ('89) and Michael Kuenzel (June 25, 1994)

Gregory L. Schmelz ('92) and Pamela C. Riss (Oct. 8, 1994)

Ellen I. Schultz ('84) and Matthew Brady (Sept. 2, 1994)

Shawn C. Spera and Marcia Crittenden (Aug. 5, 1995)

Kristal A. Taylor ('90) and David J. Smith (A91) (Sept. 24, 1994)

John E. Welsh ('49) and Eloise Adele (April 9, 1994)

John D. Weigman ('94) and Cheri L. Bushue (May 28, 1994)

Alumni News

ing. In 1993 he received both an Orthopedic Research and Educational Foundation award to pursue bone regeneration research and an NSF grant for equipment to study the degradation of the polymers used to build bone scaffolding.

Sandra M. (Shoup) Morrison is an accounts representative with DuPont in Bannockburn, Illinois.

Tim Moser writes to say that he is no longer among the "missing" alumni and sends his "vital statistics": wife - Lisa; daughter - Emily; dog—Polo.

David G. Pottratz is a process engineer with Texaco/Huntsman in Port Naches, Texas.

1989

Robert W. Lamberti was the recipient of the Chairman's Award at RohmandHaas—the highest honor given to an individual who makes an outstanding contribution that significantly affects the company's future. Bob joined the company as a process engineer and is now an analyst with the Process Economic Center at the Corporate Engineering Division.

Ryan C. Schad is an Advanced Chemical Engineer with Eastman Chemical in Kingsport, Tennessee.

Shawn C. Spera works for WestAgro in Des Plaines, Illi-

nois, as a plant engineer. He and Marcia Crittenden were married in August.

William R. Stevenson, a lieutenant in the U.S. Navy, received the navy Commendation Medal for meritorious service while aboard the *U.S.S. Hammerhead*.

1990

Pedro Arce (MS '87, PhD '90) was promoted to associate professor and granted tenure at the FAMU/FSU College of Engineering in Tallahassee, Florida. He also received the Teaching Incentive Program Award of the Board of Regents of the University of Florida System, and he was honored as one of the Five Most Outstanding Honors Research Professors—the only engineering faculty member to receive the award.

Candace D. Cline—one of our best sources of "inside information"—writes that she has bought a new house, that Curt Calhoun and his wife Deb have a baby girl and have transferred to Utah, and that Rick Suter works somewhere in Nevada. She also sends her regards to the class of '90.

1991

Brian D. Tomb is a process engineer with Huntsman Corporation in Port Naches, Texas.

1992

Thomas W. Adkins, after two years as a process engineer with Vista



Bradford C. Sippy (BS '94) was awarded the 1994 Environmental Excellence Award from DuPont. The award was presented by Ed Woolard, Chairman of the Board and CEO. Brad is a chemical purchasing agent with Hoffman-LaRoche Inc.

Chemical, is pursuing a PhD in chemistry at the University of Wisconsin.

Ernest R. Davis, Jr. is a Process Engineer II with Mobil Chemical in Beaumont, Texas.

1993

Marta Humphrey is a marketing specialist with Amoco in Chicago.

Matthew A. Ohl was appointed director of research and development at Perry Chemical and Manufacturing.

Ranee A. Stile works for Procter and Gamble as a products research engineer.

1994

Charles J. Chappell is a Scientist I with Kimberly-Clark in Neenah, Wisconsin.

Danielle (Becker) Hestermann is doing graduate work at Tufts University.

James W. Tan is an engineering technician with UNI Distribution and Manufacturing in Pinckneyville, Illinois.

Natalie Wisniewski, who is with Kimberly-Clark, is serving as the liaison for the Class of '94.

Neil A. Zlatniski, an ensign in the U.S. Navy, completed the officer indoctrination school.



In Memoriam

George T. Austin (PhD '43)

Francis, J. Ballard Jr. ('55)

Kenneth R. Brown ('37)

Donald I. Byerley ('51)

Arthur G. Cass ('32)

Robert I. Cohen ('53)

Edward K. Castetter ('61)

Jack H. Copple ('36)

James H. Dinius ('39)

Ray Fahien (PhD '54)

Theodore O. Ferkinhoff ('25)

John L. Gartin ('36)

Jack T. Gould ('50)

Thomas E. Hall ('50)

James M. Henderson ('42)

Pete F. Hohnhaus ('43)

Donald A. Huber ('55)

George Kenzler ('15)

Robert B. Klopfenstein ('37)

Ralph M. Lateer ('34)

Franklin A. Lenfesty ('21)

Harold J. Malone ('27)

Lee D. Martin ('45)

John F. McCarthy ('22)

George E. McLeland ('25)

Ronald K. Merritt ('26)

Daniel M. Mills ('34)

Benjamin Moulthrop ('41)

Harold N. Myers ('36)

John E. (Jack) Myers

Ronald B. North ('41)

Harold J. O'Neill ('38)

Leonard B. Petty ('50)

Judith L. Popejoy ('79)

Edward W. Rice ('43)

Fred C. Russell ('33)

Frank J. Scott ('38)

John M. Sherry ('42)

John C. Siegesmund ('19)

Lawrence Smith ('49)

Robert A. Specker ('40)

William B. Stephenson Jr. ('34)

Robert H. Stone ('35)

John A. Tate Sr. ('36)

Robert E. Torrance ('50)

James E. Watkins ('22)

John N. Whelan ('48)

Leonard, H. Wunrow ('53)

George T. Austin received his PhD in 1943. He stayed at Purdue as an instructor and established the undergraduate laboratory on explosives that was taught throughout the war. Later, he became a professor at Washington State University and for 22 years served as department chair.

Ray Fahien received his PhD at Purdue in 1954. An active researcher and educator at the University of Florida, he began his career at Iowa State. He served as a Fulbright lecturer at the University of Brazil before becoming professor and department chairman at Florida. He was named professor emeritus in 1985.

George Kenzler, a life-long resident of West Lafayette and one of our oldest graduates passed away on December 7. Mr. Kenzler received his bachelor's degree in 1915. While at Purdue he played basketball in 1913-14. He taught chemistry and math at Vincennes

High School from 1915 until 1917, and math and physical education at Jefferson High School from 1921 until 1959. In 1917 he entered Army officers training and served in World War I, holding the rank of captain. He received the Sagamore of the Wabash Award in 1985, and the Wall of Fame from the Lafayette School Corporation in 1983.

John E. (Jack) Myers was at Purdue from 1950 to 1966. The co-author of the well-known Bennett and Myers transport phenomena text, he was the first professor to teach "modern" transport phenomena. Among other courses he introduced Advanced Transport Phenomena in 1963 and Applied Mathematics for Chemical Engineers in the fall of 1953 to the curriculum. He supervised 29 MS and PhD students. At the time of his death he was dean of the College of Engineering at the University of California at Santa Barbara.

Correction: A previous newsletter noted the passing of Professor Chester S. Cutshall. Theodore W. Cutshall (BSChE '49) graciously corrected some inaccurate information we had received. Professor Cutshall was in the Engineering Science Department (previously called Applied Mechanics, then Engineering Mechanics). He spent 43 of his 44 years in that area.

Let us hear from you!

Name	Purdue University ChE degrees	Years received
_____	()	_____
Address	area code telephone	
City, State, Zip	_____	
Title	()	_____
Company Name	area code telephone	
Address	_____	
City, State, Zip	_____	

News about you...friends?...classmates?

Thanks for keeping us informed! Please send your news, photos, memorabilia to: Frank Oreovicz, editor; Chemical Engineering; Purdue University; 1283 CHME Building; West Lafayette, Indiana 47907-1283.

School of Chemical Engineering on the World Wide Web!

<http://www.ecn.purdue.edu>

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