A Perspective ... 

The Present and the Recent Past

Many alumni recognize that the Department of Chemical Engineering at North Carolina State University has developed to a position of real leadership in chemical engineering education and research. Over the last several decades, the Department has become an important national source of undergraduate and advanced-degree chemical engineers. Figure 1 shows the number of degrees granted in each of the last five years. During this period, the average number of BS graduates has been about 75 per year and the average number of advanced-degree (MS and PhD) graduates has been about 13 per year. National surveys of the output of chemical engineering graduates show that the Department consistently ranks in the top ten in the nation in production of BS chemical engineers. For the most recent report period, the 1991-92 academic year, we ranked ninth. Table 1 shows the rankings for the last five years.

Table 1
National Ranking of NCSU
Chemical Engineering Department in Number of BS Degrees Awarded

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For the last several years, our undergraduate enrollments have been rising steadily. This year’s class was the largest since the early 1980’s. A total of 122 students received their BS degrees this year. Enrollment in the first chemical engineering course, ChE 205, Chemical Process Principles, has been running at over 300 students per year, about 50 of whom are enrolled in a new environmental engineering degree program that is part of the civil engineering department. Even after discounting this group, there are still a lot of sophomores that would like to be chemical engineers. The reasons for this surge in interest are not clear. The job market for chemical engineers is soft (see boxed insert on page 6), but it appears to be even softer in some of the traditionally “hot” areas such as electrical engineering, computer engineering and computer science.

The mix of backgrounds and sexes in the student body has also undergone a major shift over the last few decades. For the last several years, our graduating classes have been well over 30 percent female. Under-represented minorities, i.e., African-Americans, Native Americans and Hispanic-Americans have constituted about 15 percent of the graduating class.

The Department also has a significant commitment to scholarship. One measure of this is the amount of research carried out by the faculty, graduate students and undergraduates. Recent surveys have ranked NCSU among the top ten departments nationally in terms of total spending on chemical engineering research and development. In the latest year for which statistics are available, the ranking was seventh. Table 2 shows a recent history of our place in these rankings.

Figure 1
Table 2
National Ranking of NCSU Chemical Engineering Department in Expenditures for Chemical Engineering Research

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The Department has aggressive research programs underway in pollution prevention and control, biotechnology and materials science, specifically polymers and electronic materials. These thrusts are supported by strength in traditional areas such as thermodynamics, catalysis, transport phenomena, separations and chemical/electrochemical reaction engineering. This research is an essential element of the Department’s graduate program, i.e., the training of master’s and doctoral students. North Carolina State University as an institution provides little or no financial support for graduate education, the great majority of which is funded through grants and contracts obtained from outside agencies such as the National Science Foundation, the Environmental Protection Agency and the Department of Energy. Figure 2 shows the growth of external research funding in the Department. This graph provides “bottom line” testimony to the entrepreneurial skills of the faculty.

The NCSU chemical engineering faculty is having a prominent impact on chemical engineering education on an international level. For example, Dr. Richard M. Felder is a coauthor of the most widely used chemical engineering textbook in the world, *Elementary Principles of Chemical Processes*. The definitive textbook on biotechnology, *Biochemical Engineering Fundamentals*, was coauthored by another faculty member, Dr. David F. Ollis. Several faculty have been recognized with important national awards, including Dr. Felder, who received the 1989 National Catalyst Award for excellence in teaching from the Chemical Manufacturers Association and was the 1991 American Institute of Chemical Engineers Lecturer. Dr. Peter K. Kilpatrick, who received a 1991 AT&T Foundation Award for Excellence in Teaching, and Dr. Michael R. Overcash, who received the 1990 Lawrence K. Cecil Award from the Environmental Division of the American Institute of Chemical Engineers for his leadership in waste minimization research. Three faculty members, Drs. Benny D. Freeman, H. Henry Lamb and Steven W. Peretti have received prestigious Presidential/New Young Investigator Awards from the National Science Foundation. A very unique characteristic of the present faculty is that it has over 100 years of collective industrial experience.

The Future

The Department currently has over 2000 alumni. Hopefully, each of you can find reasons to take pride in the past accomplishments of the Department. The next question is “What can we expect in the future?”

The most immediate challenge is to improve the quality of the student experience. This is a multi-faceted task. As you will see from the story on page four, two new faculty members have recently joined the Department. Their arrival should give us the flexibility to break some of our larger classes into smaller (but still very large!) sections. The Department has also added or re-instituted some specialized courses that are suitable as undergraduate electives: separations, pollution prevention and control, polymers, and surfactants and colloidal materials.

With the surge in enrollment, there is a critical need to make more and better use of teaching assistants and teaching fellows, since one or two faculty members cannot possibly provide individualized instruction to all of the students in classes of 100 and more. The Department is very fortunate in that it recently received a commitment from Eastman Chemical Company to support one such fellow, and from Merck to support two more. Finally, there is a critical need to update and upgrade the facilities in the Riddick Laboratories building. The experiments in the “unit operations” laboratory need extensive modernization, especially from the standpoint of process instrumentation and control, and many of the Department’s research laboratories must be brought up to present-day standards of safety and function.

These are the challenges of the new academic year, and beyond.
Alumni Council Formed: Meets During Tailgate '93

The first reunion event specifically designed for alumni/alumnae of the College of Engineering, dubbed Tailgate '93, was held on October 22-23, 1993, in conjunction with the NCSU/Georgia Tech football game. The Chemical Engineering Department took advantage of this affair to sponsor a breakfast for all returning alums, and to hold the first meeting of the newly formed Alumni Council.

The Alumni Council is the brainchild of Dr. James K. Ferrell, Alcoa Professor Emeritus of Chemical Engineering and former Head of the Department and Dean of Engineering. The purpose of the organization is to foster a better relationship between the alumni of the Department and the current faculty, students and staff, and to provide an opportunity for the alumni/alumnae to collectively impact the operations of the Department. The charter members of the Council, who serve on a voluntary basis, are Dr. Victor H. Agreda ('75, MS '77, PhD '79), Dr. Jack Alleavitch (PhD '69), Dr. Norvin A. Clontz ('65, MS '67, PhD '70), Mr. P. Lee Hatcher ('70), Dr. Mark H. Headinger ('81, PhD '86), Mr. Rolf Kauffman ('52), Mr. Michael D. Killian ('68), Mr. Charles H. Manning ('49), Dr. F. P. (Russ) O’Dell ('75, PhD '78), Dr. Warren T. Piver (PhD '65), Dr. W. Joseph Privott, Jr. ('61, PhD '64) and Ms. Ann M. Quillian ('85). All of the Council members except Norvin Clontz, Lee Hatcher, Rolf Kauffman and Joe Privott were able to attend the first meeting. Warren Piver was selected to chair the group, and a subcommittee has been formed to draw up a formal charter for the organization.

In addition to the Advisory Council members, a number of other alums attended the Saturday morning Tailgate breakfast in Riddick. The attendees included Maria Amiga ('91), John Godshalk ('82), Harry Goodman ('56), Mark Gosnell ('68), Chad Henderson ('68), Penny Lassiter ('84), Dave Klimkowski ('91), Ross Ruland ('65), James Sanford ('66) and Bill Willis ('76). Many of the breakfast attendees went on a chartered bus to watch the Wolfpack get the better of Georgia Tech.

Based on the success of Tailgate '93, the College of Engineering is planning to make the affair an annual event. The date for this year is November 12, the Duke game. Make a note. We'll keep you posted.

Awards and Honors

Faculty:
• Rich Felder was named one of the five Outstanding Engineering Educators of the Century by the Southeastern Section of the American Society for Engineering Education. He was also named the 1994 Donald L. Katz Lecturer by the University of Michigan Chemical Engineering Department.
• Jim Ferrell was one of four NCSU professors to receive the Alexander Quarles Holladay Medal for Excellence. This is the highest award bestowed by the Trustees and the University on a faculty member.
• Dave Ollis was an invited speaker in the Merck Sharp and Dohme Lecture Series in the Chemical Engineering Department at the University of Mayaguez, Puerto Rico, and in Collaboratus III, a distinguished lecture series at Rutgers University also sponsored by Merck. Finally, he was an Invited Professor for a short course on bioseparations engineering, presented in French, at Ecole Polytechnique Federale de Lausanne, Switzerland.
• Michael Overcash was appointed to the Advisory Board of the U.S. Agency for International Development Project - Environmental Pollution Prevention (EP3).

Undergraduates:
• Tim Holbrook and Stephanie Schwalm were among the twenty valedictorians of the Class of 1992-93;
• Tim Holbrook received a Phi Kappa Phi Achievement Award and honorable mention in the national Phi Kappa Phi Fellowship competition;
• Stephanie Schwalm received the Hoechst-Celanese Award for Academic Excellence;
• Amy Maddox received the Hoechst-Celanese Award for Excellence in Leadership;
• Ramacina Mitchell was selected as a GEM MS Engineering Fellow;
• Phil Myers received the Dow Outstanding Junior Award;
• Eric Carlson, Cobb Golson III, Jim Lisi and Phil Myers were initiated into Phi Kappa Phi.

Graduate Students:
• The Schoenborn Award for the outstanding Ph.D. candidate in the Department was won by Nancy Lynch;
• Dianne Greene received one of the University’s 1992-93 Outstanding Teaching Assistant Awards;
• Sheryl Halio participated in the 1993 Summer Institute in Japan through a national competition sponsored by the National Science Foundation;
• Elaine Hubal was appointed as a Cray Research Fellow at the North Carolina Supercomputing Center;
• Steve Lane was awarded a National Science Foundation Fellowship;
• Harpreet Gulati, Sheryl Halio, Scott Reifsnnyder and Suresh Sunderrajan were initiated into Phi Kappa Phi;
• Steve Beaudoin won first place in the 4th Annual Student Poster Paper Competition for the Separations and the Contacting and Particulates, Operations and Processes program areas held at the Annual AIChE Meeting in Saint Louis in November 1993.

The Department announces with regret the passing of F. Phillips Pike, who was Professor of Chemical Engineering from September 1946 to January 1960, on March 30, 1993.
Robert M. Thorogood  
Professor

Bob Thorogood joined the Chemical Engineering faculty in August 1993. Previously he had worked at Air Products and Chemicals Inc. for over 30 years. During his industrial career he held positions in process design, technology evaluation, and research and development. Immediately prior to joining NC State he worked in Allentown, PA as Chief Scientist for gas separations. He says he has specialized in the technologies of air separation for as long as he cares to remember. Bob grew up in London, England and graduated from Imperial College with a bachelor’s degree in Chemical Engineering. His PhD in Chemical Engineering was carried out partly at Imperial and then at Leeds University when his supervisor assumed the Chair of the Chemical Engineering Department. His research in cryogenic distillation led him to join Air Products in Allentown in 1962. After five years in the USA, Bob was assigned to Air Products European Engineering center in London where he participated in the company’s expansion into Europe. Bob and his wife Janet and three children lived in London for eleven years before returning to the USA in 1978.

Bob enjoyed two weeks of “retirement” while he relocated to North Carolina and then plunged directly into the fall semester and his new career by co-teaching ChE 205, Chemical Process Principles, and ChE 521, Separation Processes, with other faculty. This spring he has soloed with a class of 132 undergraduates in ChE 205 and is co-teaching the Senior Design Class, ChE 451. In addition to his teaching duties he continues as the American Editor of the journal Gas Separation and Purification and is planning to commence research in the computer modeling of performance prediction for large scale separation equipment. His most recent industrial research activities have been in the fields of membrane and adsorption technologies applied to nitrogen and oxygen production. During his career he has authored 20 US Patents and 40 publications. He aims to write a text on non-cryogenic air separation as time permits, but he views his teaching responsibilities as the top priority and is excited about his move to the classroom.

Bob and his wife are enjoying their move to the Triangle from Pennsylvania, and the milder winter weather is encouraging an early start in developing the garden at their new house in Cary. Janet has recently completed a history degree which complements their combined interest in English Medieval memorial brasses and is planning to continue her studies at NC State. Bob also enjoys the hobby of building and flying radio-controlled model aircraft, which he plans to resume as soon as other priorities have been met.

Saad A. Khan  
Associate Professor

Saad Khan joined the Chemical Engineering faculty in January 1993. He spent the previous five years at Bell Communications Research (Bellcore) in Red Bank, New Jersey, working on reliability research of materials used in telecommunications. His work covered a broad spectrum of things from undertaking fundamental laboratory studies to going into manholes to assess ways to recover wet telephone cables. He feels that he can use some of his practical experiences for making problems for chemical engineering transport courses. His most interesting experience was in New York city where he had to block off a section of the busy downtown area to access a cable in a manhole, much to the annoyance of the motorists! Saad grew up in Bangladesh before moving to the US to attend college at Princeton, New Jersey. He obtained his PhD from MIT in Chemical Engineering and then went on to do a two-year post-doc at Bell Laboratories in Murray Hill, NJ. The move to North Carolina is Saad’s first exposure to the South, having spent all his time in the Northeast (Boston and NJ).

Saad’s research interest focuses on polymers and plastics, particularly their flow (rheology) and processing behavior. He is interested in applying his background in rheology to study problems that are technologically relevant and not typically approached from a rheological angle. His research at Bellcore covered areas such as superconductors and polymers used in filling cables and coating optical fibers. At NC State, he has undertaken a research program in polymer science and rheology that includes studies on UV cross-linked polymers, polymer degradation using enzymes, swelling of gels, and composites. Saad mentions that his background in rheology has on occasion been confused with theology. His first memo at Bellcore was retitled as “Theology of Superconductors” instead of “Rheology” by the administrative office before circulation because they thought he had made a mistake.

Saad is very excited about his new role as a teacher. He has been involved in teaching the undergraduate and graduate transport courses, ChE 311 and ChE 515, the past two semesters. This spring, he is teaching ChE 311 on his own. He also plans to offer a new graduate course in Polymer Rheology and Processing in the near future. Saad and his wife are enjoying North Carolina. Until this winter’s cold front, they thought they had escaped from the winters of the North. Saad enjoys photography and traveling. He also likes to cook in his spare time. He considers himself to be a good cook — a sentiment that may not be unanimously shared!
The Wolf was a Chemical Engineer

Graduated senior Brian Batts had a responsibility last year that made him the envy of many of his classmates, and a large segment of the general campus population. Brian, from Concord, NC, served as “Mr. Wuf” during the 1992-93 academic year. The wolf’s job is so demanding that two students split the many appearances of this popular mascot. Brian worked the men’s basketball games, the football games, and made some public appearances, frequently for charitable purposes. His counterpart worked women’s basketball and also made public appearances.

In an exclusive interview, Brian told the alumni newsletter, “I found the experience very rewarding, but also very time-consuming. We practiced with the cheerleading squad, and I developed a healthy respect for the ability and commitment of that fine group of athletes. Being the wolf was a great stress reliever and outlet.”

In his senior year, Brian concentrated on his studies and has been accepted into the graduate program in chemical engineering at the University of South Carolina in the fall of 1994. He also participated in an independent research project with Professor P. K. Lim. Their work, a study of the interfacial oxidation of tetralin, is sponsored by the National Science Foundation as part of an overall effort called “environmentally benign technology.” The specific objective of the Lim/Batts project is to eliminate or minimize the use of organic solvents.

Garwood Receives “Distinguished Engineering Alumnus” Award

On April 19, 1993, the North Carolina State University College of Engineering presented three 1993 “Distinguished Engineering Alumnus” awards for notable achievements in the field of engineering. One of those awards went to Mr. William R. Garwood, B.S. ChE ’60, who is currently President of the Tennessee Eastman Division of Eastman Chemical Company. “Bill” manages the single largest chemical plant site in the United States, in Kingsport, TN, which has about 9000 employees and produces roughly 350 different kinds of chemicals, plastics and fiber products, with annual sales of more than $2 billion. One of the features of the Kingsport operation is the world’s only commercial-scale “chemicals from coal” facility.

In recognition of its leadership, commitment and achievements, Industry Week magazine named Eastman Chemical Company one of the ten best manufacturing firms in the United States in 1991. Moreover, several months ago, Eastman Chemical won the prestigious Malcolm Baldrige National Quality Award, one of only two manufacturing firms to be recognized this year.

Bill Garwood was honored at an informal reception in the Department, attended by faculty, students, staff and some of his co-workers at Tennessee Eastman. The Distinguished Engineering Alumnus Awards were formally presented during a banquet at the Capital City Club.

Bill is the fifth chemical engineer to be honored with a Distinguished Engineering Alumnus Award since the inception of the program in 1966. Previous ChE winners were Arthur P. Moss (’32) in 1969, F. Perry Wilson (’36) in 1972, Fred H. Ramseur, Jr. (’36) in 1973, and James K. Ferrell (PhD ’54) in 1992.
Alumni response to this newsletter has been overwhelming! Keep your notes coming; your classmates and the Department enjoy hearing from you.

THE THIRTIES
• Samuel Ashe Flint ('38) celebrated his 80th birthday in June 1993. He resides in Hampstead.

THE FORTIES
• Sydnor Elkins ('48) retired from DuPont with 39 years of service from DuPont and is dedicating his time to studying the impact dynamics of stainless steel on Surlyn and/or balata, and often consults with Dan Kneb ('48) in this endeavor. Sydnor resides in Charlotte.

Paul Hine ('49) worked for 11 years as a chemical engineer and then for 24 more in the stock brokerage business. Since retiring in '85, he has spent his time with four grandchildren, traveling and home pursuits in Charlotte. His son, David, (ChE '80) also lives in Charlotte and works for Rexham.

THE FIFTIES
• Joseph Mason ('52) received his MChE. from Villanova ('60) and J.D. from Temple ('62) and then established Mason and Associates, PA, in Clearwater, FL, in 1981. The firm specializes in intellectual property law. He resides in Belleair Beach, FL.

THE SIXTIES
• John Harrington ('62) is a partner/attorney at Petree Stockton in Winston-Salem, practicing in the areas of patents, trademarks, and copyrights.

• Harold Stroupe ('62) worked with DuPont for more than 29 years and then began a second career as director of total quality with Henkel Corporation’s Park and Achem Group in Madison Heights, MI.

• Edward Turner ('68) was promoted to manufacturing manager at the Franklin, VA, plant of Union Camp Corporation. He spends his “leisure” time chairing the Franklin Public School Board. His son, Allen, ('92) is employed by Kamy, Inc.

THE SEVENTIES
• David Ashcraft (MS '72) is Group Vice President at Temple-Inland, Inc., Silsbee, TX, and resides in Beaumont, TX.

• Victor Agreda ('75, MS '77, PhD '79) is currently department superintendent at Eastman Chemical Company in Kingsport, TN.

• Dan Kidd ('76) is Safety and Regulatory Affairs Manager for the Functional Products Group of Henkel Corporation, Kankakee, IL. He resides in Henry, IL.

THE EIGHTIES
• John Campbell (’80) is technical director at the PCA Paper Mill in Filer City, MI, and resides in Mainstreet, MI.

• John Cox (’80) lives in Verona, PA, and is working as an environmental and patent attorney in Pittsburgh, PA.

• Edwin Nyamadi (’80) resides in Delran, NJ and is Engineering Manager at Industrial Techniques Inc., Marlton, NJ.

• Soccorso Nino Gaeta (MS ’81) and wife, Rosalba, recently had their first son, Michele. Soccorso is working in Biella, Italy, at Separem S.P.A., which manufactures reverse osmosis and ultrafiltration membranes and equipment.

• Mike Gurkin (’81) is the Materials Vice President for SCM Glidco Organics in Jacksonville, FL, and is responsible for purchasing and transportation.

• Carson Cato (’81) is director of Environment, Health, and Safety for US Operations of Comm/Scope in Catawba, which is the world’s largest manufacturer of coaxial cable. He completed his MBA in ’88 and currently is a PhD candidate in Business Administration. Carson resides in Rock Hill, SC.

• Linda Martinez Kenison (’82) is a manufacturing engineer at Ericsson-General Electric Mobile Communications, providing technical support for products ranging from mobile communications equipment to cellular phones. Linda married Scott Kenison (’82 BSME), and they live in Lynchburg, VA, with their two children.

• Joey Steel (’82) just bought a 20-year old house in a middle-class neighborhood of suburban Tokyo. The price was a mere $400 per square foot of living space.

• Kevin Byers (’84) is director of operations, Custom Co-EX Division of Winpak Films, Inc., Senoia, GA. He resides with his wife and two children in Newnan, GA.

• Roja R. Challa (PhD ’84) is a senior research engineer at the Automotive Technical Center of Sherwin Williams Company, Chicago, IL. He lives with his wife and two children in Orland Park, IL.

• Anne Traynor (’84) is completing her residency in Internal Medicine at the Mary Imogene Bassett Hospital in Cooperstown, NY. She plans to return south for subspecialty fellowship training in hematology/oncology at Emory University in Atlanta beginning in July 1994.

• Bill Whitford (’84) is production superintendent at the Mt. Holly plant of Sandoz Chemicals Corporation in Charlotte. He works with Kevin Gargano (’85), Don Rierson (’77), Jim Morris (’56), Warren Benton (’80), and Tom Burns (’72).

• B. F. Dowell (’85) works as a process engineer for United Engines in Winston-Salem.

• Adel Kassebi (MS ’85) is a senior project engineer with Georgia Pacific Corporation in Monticello, MS. He resides in Brookhaven, MS.

• Michael LaRoche (’85) worked with Proctor and Gamble for seven years and is now pursuing an MBA at the Amos Tuck School of Business Administration at Dartmouth College, Hanover, NH. He resides in Hanover with his wife (Kim LaRoche ’86) and two dogs and has frequent contact with Quint Barefoot (’85), Jimmy Williamson (’85), and Steve Greer (’85).

• John Larson (’85) is employed by Millipore Corporation, Marlborough, MA, and is responsible for the design and sales of filtration equipment for the pharmaceutical industry. He resides in Cary.

• John Lewis (’85) is the facilities engineer at Mallinckrodt Specialty Chemicals in Raleigh. He received an MBA from the Fuqua School of Business at Duke University and married an NCSU alumna, Frances Batts.

• Jeff Pittman (’85) joined the US Navy in ’86. His orders took him to the Persian Gulf from August ’89 to August ’90. Presently, he is pursuing a Master’s Degree in Business at Webster University, Naval Hospital, Beaufort, SC. He lives in Seabrook, SC.

• Fred Boss (’86) is product manager at DSM Engineering Plastics in Evansville, IN. He and his wife, Kari, have a 2-year-old son. Living in Indiana under the mystique of

Can You Help?

About 30 of this year’s BS graduates are still searching for a job. If you or your employer are looking for a person with a great education and a strong work ethic, FAX us some specifics and the name and number of a contact person. Our FAX number is (919) 515-3465.
Bobby Knight is worse than tolerating arch rival, Dean Smith. Fred needs ACC/NCSU support! Anyone around?

• Jeff Buffo ('86) is employed with W.R. Grace and Company in Atlanta, GA, and resides in Smyrna, GA.

• Patrick Jones ('87) received his MBA from Wake Forest University’s Babcock Graduate School of Management in '91 and is now a senior marketing analyst for Air Products in Allentown, PA. He lives in Macungie, PA.

• Alex Kirby ('88) is attending East Carolina School of Medicine in Greenville. He attended the wedding of Helene Gassen ('87) and Clyde Lollis ('87) and reminisced with George Welsh ('87) and Michael Payne ('87).

• Vince Misiti ('88), a field technical sales rep for the Surfactants Division of ICI Americas, was awarded the 1992 Chairman’s Round Table Award for Sales Excellence. He resides in Mentor, OH.

• Robert Ping-Chung (PhD '88) is a manufacturing module manager with Silicon Systems, Inc., in Santa Cruz, CA. He resides in Scotts Valley, CA.

• Amy (Gray) Roberson ('88) is employed by DuPont in Kinston. She resides in Winterville and has frequent communications with Lisa Gorsuch ('88).

• Elinor Sartwell ('88) is working as a first-line manager and training coordinator for DuPont in Richmond, VA. Marriage plans were underway for October '93 in Quantico, VA.

• John Sorrels ('88) received a Master’s Degree in Economics from NCSU and is working with David Svensgaard ('87) in the EPA Office of Air Quality Planning and Standards in Durham.

• Mark Shiflett ('89) resides in Newark, DE, and is a development engineer at DuPont R&D Fluorochemicals Lab in Wilmington, DE. He received a US patent on three new refrigerants for the supermarket industry.

THE NINETIES

• Roy Cox ('90) is working as a process control engineer for Burlington Industries in Raleigh. He works with Joe Plante ('83).

• Miriam Preston Davie ('90) represents AMP International and Domestic in Winston-Salem as a consultant and instructor in England and France, and will be teaching in Japan, Singapore, Mexico, and Holland this year. She resides in Kernersville.

• Cindy Dawson ('90) is responsible for the Customer Competitive Program, and works as a technical service rep and quality assurance manager at Zeneca (ICI) in Charlotte.

• Joost Van Haaren ('90) is with E.I. DuPont (Niagara Falls, NY) on an R&D Pilot Plant for the Terathane Business. He lives in Amherst, NY.

• Andrea Nelson ('90) lives in metro-Atlanta and is working in R&D with Kimberly-Clark Corporation on bath and facial tissue. Her co-workers are Joe Johnson ('89) and John Single ('90).

• Peter Day ('91), who had worked with Mobil Oil in the Joliet, IL, refinery, recently changed career paths and took a position as technical rep for Nalco Chemical Company servicing and selling process chemicals to Chicago area refineries.

• Anita (Jones) Hillard ('91) is working as a process engineer at Union Carbide Corporation in Cary.

• David Jones ('91), a student at Bowman Gray School of Medicine at Wake Forest University in Winston-Salem, married a fellow medical student in September 1993.

• Leigh (Ringer) Summer ('91) married an NCSU alumnus; both attend ECU School of Medicine in Greenville.

• Jason Cronin ('92) is working with Eli Lilly and Company. He and his wife live in Indianapolis, IN.

• Lisa Greene ('92) is a technical specialist at Williamette Industries, Inc., Bennettsville, SC. She often communicates with Tony Hobson ('92), Tim Brinker ('92), and Michael Jackson ('92).

• Camellia Hill ('92) works as a shift supervisor in the polymer department of Allied Signal in Moncure. One of her coworkers is Kaye Brookshire ('92).

• Tom Hornack ('92) is a process engineer at Morflex, Inc., in Greensboro. Phil Cline ('82) is his immediate supervisor, and Terry Wyrich ('75) is plant manager.

• Kristin Popio ('92) is with corporate engineering in Indianapolis, IN.

• Brian Joyner ('92) is employed with Eastman Chemical Company in Kingsport, TN. He married an NCSU alumna and works with Joe Parker ('83), Linda Shepherd ('91), Tim Nolen ('90), Tamie Daniels ('92), Lisa Bullard ('86), and Eleanor Cwirko ('90).

• Bobbie Lane ('92) is with BASF Corporation in Charlotte. She stays in touch with Stephen Pisano ('91), Robert Sanders ('91), and Ron Rogers ('91), who work for UOP in Chicago, IL.

• Albert Linn III ('92) is an airborne engineer platoon leader in the 82nd Airborne Division at Fort Bragg.

• Deidre Nicholson ('92) works as a compounder/process engineer at Conserve, Inc., Lumberton, and resides in Pembroke.

• Christy Williams ('92) is employed as a process engineer for the Almys brand at Procter & Gamble in Greenville. Tammy Dail ('92) Waters and Michelle Barefoot ('92) also work at the plant.

Alumnae/i Awards and Honors

Several NCSU Chemical Engineering alumni recently have received important recognition. The Newsletter is proud to extend its congratulations to the following:

• Theresa Mooney Snyder ('85) was selected as the 1993 Distinguished New Engineer of the Society of Women Engineers. Theresa is an area manager for Betz Process Chemicals in Baton Rouge, Louisiana.

• Sudhir Mendiratta (PhD '75) received a 1993 R&D 100 Award from R&D Magazine for co-inventing one of the year’s 100 most technologically significant new products and processes. The development that led to this honor was the O1 Process for chlorine dioxide generation and pulp bleaching. Sudhir is Principal Engineer at the Charleston Technology Center of Olin Corporation in Charleston, TN.

• Jeffrey Willits '92, who is currently a graduate student in the Chemical Engineering Department at Cornell University, was awarded a Biomedical Engineering Fellowship from the Whitaker Foundation in an intense national competition. These fellowships are intended to help outstanding engineering students develop the skills required for a successful career in biomedical engineering research.
Alumni Information - Spring 1994

Name ___________________________________________ Class/Degree __________________
Home Address ________________________________________________________________
Work Address ________________________________________________________________

Tell us about yourself (What are you currently doing? What other CHE alumni do you work with or hear from? etc.)
__________________________________________________________
__________________________________________________________
__________________________________________________________
__________________________________________________________

Do you have any photographs, ancient or modern, that would enhance the alumni newsletter?

Please return this form to: Dr. George W. Roberts
Department of Chemical Engineering
Box 7905
North Carolina State University
Raleigh, NC 27695-7905
FAX: (919) 515-3465

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