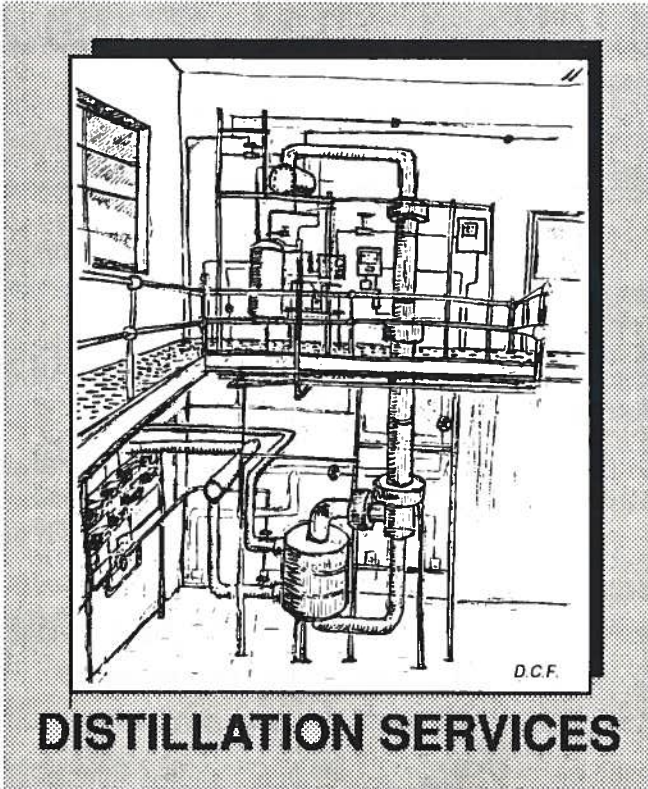


# **ALUMNI NEWS**



## **DISTILLATION SERVICES**

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## JOHN COLLIER NEW CHAIRMAN

"Though the state and the University are suffering economically now, we expect conditions to improve and we intend to help them improve," says Dr. John Collier, the new chairman of the Chemical Engineering Department. He is not using the royal "we", by the way, but is referring to both himself and his wife, Dr. Billie Collier, associate professor of textiles in the School of Home Economics, who made the move with him when he joined LSU in July.

The Colliers come from Ohio University, where they were both on the faculty. He was there for 22 years, most recently in the post of Russ Professor of Chemical Engineering. His special field of interest is polymer extrusion, an area he is now researching under an NSF grant. He holds two patents on a process to take commercial polymers like polyethylene and polypropylene and convert them by physical processing to very high-strength extrudates having at least the modulus of aluminum with one-third the density.

A former associate dean of the graduate college at Ohio University for six years in the '70s, Collier has definite plans for the direction he wishes the Department to take. "We are now very strong in the areas of research that are being pursued, and I would like to augment these areas by hiring new faculty in such fields as biochemical engineering and materials engineering, particularly dealing with polymer and compositing," Collier says. Since he believes that much important future work in science and engineering will be interdisciplinary, he wants to facilitate such undertakings in the Department.

The interdisciplinary studies on fibers he and his wife have undertaken have yielded them two NSF grants and a pending patent. They are putting a rayon skin on a nylon or polyester core, so that resultant fabrics can combine the good properties of both natural and synthetic fibers. The two Drs. Collier, who met at a Gordon Research Conference on fiber science in 1983, are also using CAD/CAM capabilities and expertise to predict the draping appearance of apparel based upon construction techniques and material construction. For this research they use finite element analysis to treat this material as an orthotropic shell membrane. He also used CAD/CAM techniques to design extrusion and fiber-coating dies.

The new chairman, who was selected by the student body at Ohio U. for an award that recognizes excellent undergraduate teaching, also wants to maintain strong undergraduate and graduate teaching programs in the Department.

He received the following degrees: Ph.D. in Polymer Science and Engineering, Case Institute; M.S. in Chemical Engineering, University of Illinois; and B.S. in Chemical Engineering, South Dakota School of Mines and Technology. In Ohio, the Colliers were both active in church activities, and they are joggers. They have three children, two of whom are students at Ohio University and the third at Virginia Tech.

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## Reunion For Alums Planned November 26

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The AIChE student chapter will host a reunion for all Chemical Engineering Alumni on the day of the LSU-Tulane game. Currently, the game is scheduled for 7:00 p. m. November 26, and the reunion is planned for 2:00 to 4:00 p. m. in the Chemical Engineering building.

In the event the game is rescheduled in the afternoon to accommodate television coverage, the reunion will be changed to 7:00 to 9:00 p. m. Please join us for food and drink, a tour of the changing Chemical Engineering building, and a chat with faculty and old friends.

**If you plan to come, please return the reservation form on the inside back cover so we can keep you posted of details.**

**EXXON RESEARCH AND ENGINEERING COMPANY**

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C. M. EIDT, JR.  
Vice President

Dear Fellow Alumni and Friends,

As you know, the University and the Department of Chemical Engineering are continuing to experience budgetary pressures due to the economic environment in Louisiana. The Department has coped admirably with these difficulties but has by no means fully escaped their consequences. Given this situation, the continuing progress of the Department toward its long-range goal of a higher level of performance and recognition is particularly noteworthy. For example: a) the recent declines in enrollment appear to be leveling off and the faculty have prepared an excellent videotape out-reach program to communicate with Louisiana high school students regarding chemical engineering as a career, b) the faculty is continuing to achieve a very high level of success in attracting research funds, ranking first in the university, c) upgrading of the undergraduate laboratory facilities is well under way, and last year a new pilot scale continuous distillation unit was placed in operation, d) endowments for the Horton and Coates professorships have continued to grow and e) adjustments to the curriculum are being made as appropriate to respond to current trends in industry and academia and feedback from certification reviews.

As mentioned in last year's note, all of us have opportunities to support the Department in its drive for excellence in a variety of ways, e.g., industry liaison activities, financial support, etc. On the latter point, alumni support for the Department has increased somewhat but still falls far short of that enjoyed by comparable departments in many other institutions. Our financial support is particularly critical to the Department at this juncture, and I urge you to consider sending a gift at this time and to support the Department's efforts by other means as well.

Regards,

CHE:jlg

Department of Chemical Engineering  
Visiting Advisory Committee (1987-88)

Members From Industry

Clarence M. Eidt, Jr., Chairman  
Vice President, Petroleum and Synthetic Fuels  
Exxon Research and Engineering Company  
Florham Park, New Jersey

P.L. Thibaut Brian  
Vice President — Engineering  
Air Products and Chemicals, Inc  
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C. Glendon Bradley  
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Plaquemine, Louisiana

Mary L. Good  
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M.F. "Bim" Gautreaux  
Senior Vice President  
Ethyl Corporation  
Baton Rouge, Louisiana

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Robert B. Stobaugh  
Charles E. Wilson Professor  
Graduate School of Business Admin.  
Harvard University  
Boston, Massachusetts

Stanley I. Sandler  
H.B. DuPont Professor  
University of Delaware  
Newark, Delaware

Dan Luss  
Professor and Chairman  
Department of Chemical Engineering  
University of Houston  
Houston, Texas



Department of Chemical Engineering  
 LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE  
 BATON ROUGE · LOUISIANA · 70803-7303  
 504 / 388 1426

October 4, 1988

Dear Alumni and Friends:

It is a pleasure to extend greetings to you in my new role as Chairman of the Chemical Engineering Department. My wife, a native Louisianan, and I came here because LSU is a research-oriented university and Chemical Engineering is an excellent department. We are aware of the serious financial condition of the State and University, but feel the strengths of both and in particular the depth of talent and performance of the faculty in Chemical Engineering indicate a bright future.

We as a department, however, do need your continuing personal and financial support to weather the current conditions and to realize our future potential. Various plans under consideration for redefining the structure of higher education in the state appear to identify LSU as the flagship university. Furthermore, I have been impressed that most people recognize that the chemical industry and chemical engineering are vital to the future of the state.

I do not believe in making hard sell requests for financial support but feel you should be aware of the needs that we have. Contributions of any amount can have an impact. We have a continuing need to update equipment acquisitions so our students can use modern devices. The most pressing of the concerns deals specifically with our most valuable resource, our faculty members. I was shocked by the depressed level of our faculty salaries and the extreme limitation on travel expenses to which we are subjected. This year the university was able to provide modest salary raises for the first time in three years, but unfortunately our salaries are not even comparable to those at other universities in this region of the country. Since we have a deserved national reputation, our faculty salaries should reflect that but they fall far short. The faculty are also limited to travel reimbursements of only \$40 a night for lodging and \$18 a day for meals. I find that unacceptable.

I would like to develop or augment endowment accounts in the Foundation that would permit us to address some of these problems. In particular, I want to be able to present various faculty members with significant awards in recognition of their accomplishments. I also want to be able to supplement the allowable travel expenses by using the interest engendered in an endowment foundation account specifically earmarked for faculty travel. We, of course, have continuing needs for contributions toward our anticipated endowed chairs, for equipment, and for student scholarships and fellowships also. Unrestricted donations are most definitely welcomed.

If you would like to discuss any aspects of the department, college, or university please call or come see me. If you would like to stop by, please call me in advance. I would not want to miss you.

Sincerely,

John R. Collier

## Distillation Services Complete Runs

An expanded potential for university-industry collaboration was realized on October 15, 1987, when the department initiated the first production run on its new, pilot-scale distillation column. Made possible with the help of a \$100,000 grant from Exxon and a \$20,000 grant from the Amoco Foundation, this facility will provide practical experience and training for our undergraduates, as well as technical service to local petro-chemical companies.

The construction of the facility, directed by departmental instructor Gene Hadlock, began in February, 1987, and continued through the summer. Built of stainless steel throughout, the column can operate from full vacuum to 100 psig at temperatures up to 650° F. The heart of the facility is a 3-in.-ID, 20-ft-high packed tower. A circulating hot-oil system provides feed preheat and reboiler heat. The facility operates under stand-alone automatic control, although a recent extension of the control system has been its interfacing with the department's central computer to allow control through IBM's Advanced Control System (ACS).

The opportunity to carry out our first production run for Exxon also imposed a deadline for having the unit operational in early October. Construction was completed in late September, and startup of the unit began on October 10. To the credit of Gene and Research Associates Bob Perkins and Paul Rodriguez, who did the bulk of the construction, the startup was successfully completed in only five days!

The unit was operated around the clock, seven days a week, by students (both undergraduate and graduate) and staff until December 24. Over 800 gallons of purified product were produced. Subsequent tests of the product showed it not only to meet, but to exceed, required specifications.

Since December, we have made one more run for Exxon. We anticipate that other companies in the area will avail themselves of this service.

### IBM 4341 Computer System

On July 1, 1988, the department took title to the IBM 4341 computer system that has been in the department since 1984. The system, valued at over \$2 million, was provided by IBM as part of a multi-year contract.

Used by undergrads, graduate students, faculty, and staff, the system has been a valuable addition to the department. Chemical engineering students have access to 24 graphics terminals at any time, night or day. Faculty members all have a workstation in their offices. One result of the system has been the continually expanding use of inter-departmental electronic mail through the PROFS software.

The contract with IBM involved several tasks. The primary one was to introduce the use of IBM's Advanced Control System (ACS) into the curriculum and to develop teaching modules and simulations. Other tasks included establishing an international

bulletin board for chemical engineering departments, defining functional specifications for batch sequence processing, and determining the key components of Computer Integrated Manufacturing in chemical process industries.

The bulletin board, resident on the department's computer, was made operational on November 11, 1987. It is maintained, in cooperation with CACHE, by Danny Reible. The heart of the bulletin board is the GRAND teleconferencing system, which allows information to be accessed, retrieved, or added without operator intervention. Users can join particular topics, such as CACHE newsletters and projects, ACS Information, ChE Teaching Aids, or ChE Journal Abstracts, and GRAND will notify members when another user has added information. Access is through BITNET, a free-to-the-user electronic mail network to which most campuses are attached.

The objective of the project on functional specifications for Batch Sequence Processing (BSP) was to enhance IBM's Real-Time Process Management/Advanced Control System (RPMS/ACS). Directed by Armando Corripio, the project defined the required extensions, including interfaces for batch operators and engineers, a report generator, a history data base, and a reset feedback extension to a PID algorithm.

The CIM project was directed by Armando Corripio and Arthur Sterling. In addition to defining the key components, they conducted a survey of the Louisiana chemical industry to determine the current status and future requirements for computer

integrated manufacturing. A paper giving the results of the survey will be given by Corripio at the AIChE meeting in Washington, D.C., in November.

Faculty involved in earlier phases of the contract included Carl Knopf, Conrad Smith, and Ed McLaughlin.

#### Student Enrollment Up

Beginning in 1981, our undergraduate enrollment in chemical engineering declined for seven years. At the beginning of the fall semester last year, enrollments in the sophomore, junior, and senior classes was only 25% of the enrollment in 1981.

Fortunately, this trend now appears to have reversed. Enrollments this fall were up about 15%. Even more encouraging is the fact that the quality of new chemical engineering students, as measured by ACT scores, continues to rise and remains among the highest in the University.

The increase in enrollment this year no doubt is related to the vastly improved job market for our graduates. But the effort of all of our faculty to recruit students also played a roll. These efforts, spearheaded by Kerry Dooley, included a personal phone call by one of our faculty to every applicant to LSU who identified chemical engineering as a possible field of study.

If the current job market remains as it has been the last two years, we expect enrollments to continue to rise. We would like to reach an enrollment of near 200, half of that in 1981 and about the average over the last thirty years.

#### Annual Lectureships

Specialists in adsorption and adsorption separation processes and in dynamic reactors were speakers in this year's Bicentennial and Freeport Chemical Company lectures, which are annual events.

The Agrico Chemical Company Annual Lectureships in Chemical Engineering was a March event featuring Douglas M. Ruthven, a professor in the Department of Chemical Engineering at the University of New Brunswick in Canada. He reported on his research, which has concerned the fundamentals and applications of adsorption, as well as the development of adsorption separation processes. He has published approximately 140 papers on these subjects, a number of general reviews, and a book, *Principles of Adsorption and Adsorption Separation Processes* (John Wiley, 1984).

Ruthven received both his bachelor's and doctoral degrees from the University of Cambridge. He is a consultant to major companies in Europe and North America, and he has acted as advisor to U. S. government agencies on various applications of adsorbents, including the solar energy program and the disposal of nuclear waste.

In October, the 13th annual Bicentennial Commemoration Lectureship in Chemical Engineering, sponsored by 22 leading industrial concerns, took place. The speaker was J. M. Smith, Professor of Chemical Engineering at the University of California, Davis. His subject was "Dynamic Reactor Experiments for More Results with Less Effort."

Professor Smith has published two textbooks on thermodynamics and kinetics, as well as over 300 articles on chemical reaction engineering. He has received the Walker, Wilhelm, and Lewis awards of the American Institute of Chemical Engineers and is a member of the National Academy of Engineering.

#### Video Tape Available

As part of our recruiting effort, a video tape extolling the advantages of a chemical engineering education was produced and distributed to high school science and mathematics teachers throughout the state. Entitled "Chemical Engineering: The Profession of the Future," the tape was produced by LSU's Media Production Center. Chemical engineers from several of the local companies were featured in interviews.

If you would like a copy of this tape to show to high school students in your area, write to Kerry Dooley. He would be very pleased to send you one.

#### New Undergraduate Scholarship Fund Established

During the last year, the "Gerard Family Undergraduate Scholarship" was established by Roy Gerard, an LSU Chemical Engineering graduate, a member of the Visiting Advisory Committee, and General Manager of Shell Development's Westholow Research Center. To be funded from interest on a \$25,000 endowment, the scholarship will provide annual financial support to a Louisiana resident who has achieved a B average in chemical engineering.

## GRIFFIN JOINS FACULTY

Associate Professor Gregory L. Griffin joined the faculty of the Department of Chemical Engineering during the summer of 1987, bringing with him an active research program established at the University of Minnesota. Griffin received his Ph.D. in chemical engineering from Princeton University in 1979 and his B.S. in chemical engineering from Caltech in 1975.

Griffin's major current research interest centers around the manufacture of higher alcohols from synthesis gas mixtures. These alcohols are useful as gasoline blending agents to achieve higher octane with lower volatile emissions. He is also developing a program in the area of synthesis of novel catalysts and other ceramic materials using chemical vapor deposition techniques. Griffin brought most of his laboratory equipment with him from Minnesota, so that he was able to bring his research program back up to speed very rapidly upon arrival at LSU.

In addition to his research activities, Griffin is teaching in the areas of numerical methods for chemical engineers and materials processing. His teaching activities have included the development of a new chemical engineering science elective course, ChE 4270, titled "Processing of Advanced Materials." The course deals with the application of mass, energy, and momentum transport and reaction kinetics to the design of processes for the manufacture of semiconductors and high-technology ceramic materials.

LSU was able to attract Griffin because of "this area's concentration of companies in the traditional fields of the chemical process industry and petroleum refining and the potential to interact with several companies that are at the forefront of developing newer, non-traditional chemical engineering markets," he says.

As a native Californian, he also feels that the winter weather in Louisiana is far more enjoyable than Minnesota's, especially for outdoor activities such as running. Griffin and his wife, Nancy, are members of the St. James Episcopal Church choir and the Baton Rouge Symphony Orchestra chorus. Two school-age children contribute to keeping things lively in the Griffin household.

Professor Douglas P. Harrison was the first recipient of the Dow Outstanding Teacher Award, which was initiated this year by an endowment from Dow Chemical U.S.A. Nominations were submitted by student honor societies, and the selection made by a committee including representatives from Dow.

Associate Professor Kerry M. Dooley received the Harold Levey Award as Outstanding Young Alumnus from the Society of Tulane Engineers. In January 1988, he chaired the Chemical Engineering Review Panel for the NSF Instrumentation and Laboratory Improvement Program.

Professor Louis J. Thibodeaux presented a series of twelve lectures to university and government scientists and engineers in the People's Republic of China in January 1988, at the invitation of the Ministry of the Petroleum Industry. He and one of his students, Jacob Thomas, published an article on archaeological chemistry in the May issue of *Environmental Science and Technology*.

Professor Armando Corripio lectured on "Computer Process Control Using ACS" at the University of Sao Paulo, Brazil, in February 1988. His lecture was co-sponsored by IBM Brazil. He was also invited to present a paper at a Plant Managers Conference in Rio de Janeiro, Brazil, in August of 1988. An Exxon Research Fellowship, which he received for the 1987-88 term, has been renewed for 1988-89.

Assistant Professor Martin Hjortsø was one of five university faculty nationwide invited to participate in an Oak Ridge National Laboratory/Universities Cooperative Program in Engineering Research in the area of Bioprocessing for Energy Applications.

Professor Richard Rice has received one of four creativity awards given in the U. S. A. and sponsored by NSF, for his work on "Radial Flow Chromatography." He has for the second time been elected president of the LSU chapter of AAUP and has also been selected for the national council of that organization. He has presented papers at the 1987 AIChE meeting in New York and at Akron University and Vanderbilt describing his work on mixing in bubble columns with flexispargers.

Associate Professor Geoffrey L. Price has spoken on his work with the synthesis of zeolites at the AIChE meeting in New York in November 1987 and the 1987 Southwest Catalysis Society in Houston. Talks are also scheduled at Georgia Tech and the University of Houston.

Professor Don Freshwater has spoken on loss prevention and chemical engineering education at several meetings during the past year. These include the European Federation of Chemical Engineering in Sweden, the Spanish Society of Industrial Chemists in Barcelona, Spain, the Baton Rouge chapter of AIChE, the Chemical Congress of North America, and the Gulf Southwest Section of the ASEE.

Associate Professor Danny Reible in October will participate in a scientific exchange program to the USSR. In August he was a plenary speaker for a workshop at the National Center for Intermedia Research at UCLA.

Professor Frank Groves has been elected a fellow of AIChE.

Paul Rodrigues has been promoted to Research Associate. In addition to his usual work in constructing and maintaining departmental research equipment, he took a leading role in the startup and operation of the pilot-scale distillation column during the last year.

Sid Cheng has joined the Department as Research Associate and is responsible for systems programming for the Department's IBM 4341 Computer system.

## 1920's

**C.A. Barrere** (BS ChE '26) and his wife Ruth are living in Houston. They visited LSU in March.

## 1930's

**William Y. Gissel** (BS ChE '38) retired in 1979 from Union Carbide in Oak Ridge, TN, and lives in Kingston, TN.

## 1940's

**Robert B. Stobaugh** (BS ChE '47) was inducted into the LSU Hall of Distinction in October of 1987. He is the Charles E. Wilson Professor of Business Administration and faculty chairman of the doctoral programs at Harvard Business School. He is the author of 10 books, including a best-seller on energy policy. He served on energy advisory committees under presidents Johnson, Nixon, and Carter and is a member of the Advisory Committee of the LSU Department of Chemical Engineering. He received his doctorate in business from Harvard Business School in 1968.

**William E. Reinschmidt** (BS ChE '47) lives in Mobile, AL, and is retired from American Cyanamid Co.

**Vincente I. Diego** (BS ChE '48) is retired from Exxon and is living in Miami, FL.

**Joseph F. Butterworth, Jr.** (BS ChE '49) retired in 1986 from Exxon. He and his wife, Adell, are enjoying pursuing various hobbies and being grandparents.

## 1950's

**Leon Siedler** (BS ChE '50) is working at Hughes Aircraft Co. in Los Angeles, CA. He is a member of the Technical Staff and is experienced in hybrid micro circuits.

**Jose A. Barake** (BS ChE '51) retired from Ecopetrol and owns a consulting firm.

**Perry B. LeCates** (BS ChE '51, M. S. '57) has retired from Exxon U.S.A. and lives in Baytown, TX.

**Tildon J. Hebert** (BS ChE '54) is Shell Oil's operations manager for refining and marketing. He lives in Conroe, TX, but is with Shell's Houston division.

**George Irwin** (BS ChE '55) lives in New Orleans.

**Donald M. Bordelon** (BS ChE '56) retired from Farmland Industries and is now doing consulting in Lakeland, FL.

**James A. Pranter** (MS ChE '57) works as a staff engineer manager with the Louisiana Department of Transportation.

**Eugene Y. Lau** (BS ChE '59) is operations manager for a petroleum refinery in Panama.

**James S. Piker** (BS ChE '59) formed a consulting firm in Andover, MA, in 1987, after 24 years in the semiconductor industry.

## 1960's

**Biraja Bilash Paul** (PhD '60) is an executive with two consulting firms in Bombay, India.

**Gaylen L. Nix** (BS ChE '61) is an attorney in private practice in Houston, TX.

**Gary C. April** (BS ChE '62, MS '68, PhD '69) has been elected a Fellow of the AIChE. He is Research Professor and Assistant Dean for Research and Graduate Studies at the University of Alabama.

**Eugene F. Delaune, II** (BS ChE '62) is vice president of corporate development at H.B. Fuller Co. of St. Paul, MN. He lives in New Brighton, MN.

**Kernan M. Banker** (BS ChE '64) was recently promoted to environmental superintendent at the Bastrop, LA, mill of International Paper Co.

**Eric A. Rini** (BS ChE '65) has been promoted to regional operations manager of Kaiser Chemicals' business at its manufacturing facilities in Louisiana, Mississippi, and Florida.

**John L. Medina** (BS ChE '66) lives in Nutley, NJ, and works at Degussa Corporation as marketing manager.

**Edward A. Schmitt** (BS ChE '69) has been promoted to plant manager for Georgia Gulf's Plaquemine chemical division. He and his family live in Denham Springs.

## 1970's

**David E. Allan** (PhD '70) is in his fourth year in the London area as technology transfer advisor for Esso Engineering Europe.

**Robert W. Hartman** (BS ChE '71) is employed by Occidental Chemical Corp. in Tacoma, WA. He lives in Puyallup, WA.

**Frank R. Cusimano** (BS ChE '72) is vice president of marketing and supply services at Tenneco Gas Marketing Co. in Houston, TX.

**Sidney V. Bourgeois** (PhD '72) is manager of the Lockheed Missiles & Space Co. in Huntsville, AL.

**Juan Bryce-Cotes** (BS ChE '72) is president and owner of an equipment supply company in Tyler, TX.

**Michael O. Waguespack** (BS ChE '72) is with Walk, Haydel & Associates in New Orleans.

**Lokesh H. Parikh** (MS '73) is in process design at Monsanto Co. in St. Louis, MO.

**Oliver W. Hargrave, Jr.** (BS ChE '73, MS '75) is a research engineer with a Birmingham, AL, firm.

**Allen Eschette, Jr.** (BS ChE '74) lives in Luling, LA, where he is employed by Monsanto Co.

**Carlos M. Acevedo** (BS ChE '75) works with a firm in Puerto Rico that supplies raw materials for the pharmaceutical industry. He lives in Guaynabo, P.R.

**Bill Stewart** (BS ChE '75, MS '77, PhD '81) works for the M.W. Kellogg Co. in Houston as principal engineer in the advanced process control group.

**Thomas C. Kelly** (BS ChE '75) received his M. D. degree from Tulane University in 1978. Following residency with Ochsner Foundation hospital in New Orleans, he is in private practice in general/vascular surgery in Ft. Smith, AR.

**Francis P. Foret** (BS ChE '75) is employed by Union Texas Petroleum Corp. of Houston as Texas district manager of gas plant operations.

**Charles P. Freeburgh** (BS ChE '75) lives in Baton Rouge and is employed with Georgia Gulf Corp.

**J. W. Turner** (BS ChE '76) is manufacturing superintendent at Monsanto's plant in Alvin, TX. He and his family live in LaPorte, TX.

**Jim Huff, Jr.** (BS ChE '77) lives in Waterproof, LA, and is self-employed.

**Patrick E. Byrd** (BS ChE '77) lives in New Orleans and works in chemical and instrumentation design engineering with Freeport McMoran.

**Michael R. Stamm** (BS ChE '78) lives in River Ridge, LA, and is a process engineer for Armant Metal Chlorides.

**M. Steven McCown** (BS ChE '78, MS '81) is a project development engineer for Phillips 66 Natural Gas Company in Bartlesville, OK.

**Ender J. Barillas** (BS ChE '79) is employed by a government-owned oil company in Cabimas-Zulia, Venezuela. He is operations supervisor for water flood units totalling 36 plants.

**Beth M. Troxler** (BS ChE '79) works for Louisiana Power and Light, where she is head of the water/environmental department at their Westwego generating station. She lives in Jefferson, LA.

**Lamat B. Mahmud** (BS ChE '79) is a senior process design engineer at Esso Refinery at Port Dickson, Malaysia.

## 1980's

**William Dean Reinschmidt** (BS ChE '80) is an engineer with a Baton Rouge firm.

**K. Duane Smith** (BS ChE '80) works at the Louisiana division of Dow Chemical in Plaquemine as a senior systems engineer and lives in Port Allen.

**Gary W. Cadby** (BS ChE '80) lives in Livingston, LA, and is a self-employed businessman, owning two retail hardware stores and a truck-leasing business. He formerly worked with a consulting engineering firm.

**Charles Thavenot** (BS ChE '80) lives in Trinidad, West Indies, where he is a planning engineer with the National Gas Company of Trinidad and Tobago.

**John F. Nelson** (BS ChE '80) lives in Pride, LA, and works as a project manager for an environmental consulting firm in Baton Rouge.

**James E. Myers** (BS ChE '80) is employed by Texaco Research in Port Arthur, TX. He is a senior chemical engineer with the environmental research section.

**Linda K. Cartwright** (BS ChE '81), after working several years for Texas Instruments in Austin, TX, has moved to Greer, SC, and works for Digital Equipment of Greenville, SC.

**Chris Knaus** (BS ChE '82) reports that he and his wife **M'Lu Bouser Knaus** (BS ChE '82) have become the parents of a boy born in January. Chris is employed by Chevron in New Orleans.

**Thomas L. Hernandez** (BS ChE '82) is principal engineer in the power resource planning department of Tampa Electric Co., a subsidiary of TECO Energy.

**Robert L. Life** (BS ChE '82) lives in New Orleans and works at Chevron, U.S.A., as a gas and chemical engineer.

**Malav S. Shah** (BS ChE '82) received his MS ChE degree from Villanova University in 1985 and now works at Monsanto in Nitro, WV, as a process engineer.

**Eugene Benoit** (BS ChE '83, MS '85) has attained academic honors at Exeter in Classics and has been awarded by Exeter a fellowship to study in Germany.

**Kathryn D. Moise** (BS ChE '83) lives in Baker, LA, where she is teaching high school science and math at Bethany Christian School.

**Kevin Duhe** (BS ChE '83), who lives in Baton Rouge, is employed as an automation specialist at Ciba-Geigy Corporation in St. Gabriel.

**Gary Focht** (BS ChE '83, MS '86, PhD '88) has taken a position with Ethyl Corporation in Magnolia, AR.

**Kevin G. Waguespack** (BS ChE '84) is employed by Lyondell Petrochemical, a division of ARCO, and lives in Crosby, TX.

**Phillip LeBlanc** (BS ChE '84) works for Ciba-Geigy and lives in St. Gabriel, LA. He was married in 1987.

**Kevin Lowery** (BS ChE '84) works for James River Corporation in St. Francisville and lives in Baton Rouge.

**Lisa Pham** (BS ChE '84, MS '87) is working with Chevron in California.

**Karen E. Bell** (BS ChE '85) lives in Pawleys Island, SC, and is a project engineer for International Paper Co.

**Randall D. Seale** (BS ChE '85) is employed by Lockheed Space Shuttle Operations. He lives in Merritt Island, FL, but is still a big Tiger fan.

**Susanne Warren** (BS ChE '85) is environmental coordinator and process engineer with Vista Chemical Co. in Westlake, LA. She lives in Lake Charles, and is engaged to **Steven W. Kleinpeter** (BS ChE '80).

**Chris Kjeldsen** (BS ChE '86) is employed by Uniroyal Chemical in their speciality chemicals production area in Geismar and lives in Baton Rouge.

**Neal A. Grob** (BS ChE '86) works in process research for Dow Chemical in Plaquemine, LA, and lives in Baton Rouge.

**James Kenneth Clark** (BS ChE '86) is a process engineer with Kaiser Aluminum & Chemical in Baton Rouge.



## ALUMNI CONTRIBUTIONS

Your contributions are an investment in the future of the department's academic and research programs. Not one cent of our alumni contributions has been or will be spent! Rather, all contributions are placed in endowment accounts, which have grown to an accumulated value of \$276,000, as shown in the table below. It is only the interest from these accounts that will be used to fund departmental programs.

Two of these programs will be initiated this year. The Coates and Horton Professorship Funds have reached their trigger value of \$100,000, and recommendations for the selection process have been received from a select outside committee. The interest from these funds will provide salary supplements to two, senior-level professors in the Department.

The average salary of a professor in our department is now 35% below the average for our peer institutions. Thus the Coates and Horton Professorships will play a vital role in our effort to retain outstanding faculty.

You have also received an appeal for contributions from Dean Edward McLaughlin as part of a college effort to collect contributions centrally. If you choose to contribute through the College, rather than directly to the Department, you can still request that your contribution and company matching grants be credited to one of the department's endowment funds.

If you have not previously contributed, please consider doing so this year.

### Endowment Fund Accounts — June 30

Fund	1987	1988
Coates Professor Fund	\$98,928	\$109,138
Horton Professor Fund	86,621	105,220
Development Fund	31,114	61,373
<b>Total</b>	<b>\$216,663</b>	<b>\$275,731</b>

### Alumni Contributions 1987-88

Fund	Number	Amount	Matching	Total
Coates Professor	14	\$ 2,758	\$ 2,914	\$ 5,672
Horton Professor	9	4,075	600	4,675
Development Fund	43	10,215	15,450	25,665
<b>Total</b>	<b>66</b>	<b>\$17,048</b>	<b>\$18,964</b>	<b>\$36,012</b>

## ALUMNI CONTRIBUTIONS

### CONTRIBUTORS — 1987-88

<b>1922</b> <sup>2</sup> Alexis Voorhies, Jr.	<b>1952</b> <sup>1</sup> Alvin B. Couvillion	<b>1973</b> <sup>2</sup> Oliver W. Hargrove, Jr.
<b>1926</b> <sup>1</sup> Clement Barrere <sup>3</sup> Roy Daniels	<b>1954</b> <sup>4</sup> Bivins H. Williams, Jr. <sup>4</sup> Tildon J. Hebert	<b>1974</b> <sup>3</sup> Thomas J. Guidry
<b>1935</b> <sup>2</sup> Vito E. Dimicelli <sup>2</sup> Lewis C. Price	<b>1955</b> <sup>2</sup> Marvin D. Roof <sup>3</sup> Cushman M. Cambre <sup>5</sup> Jerry G. Moffet, Jr.	<b>1976</b> <sup>1</sup> Wm. Kelly Elstrott
<b>1936</b> <sup>3</sup> Thomas C. Landrum <sup>1</sup> Dalton L. Pollet	<b>1956</b> <sup>2</sup> James A. Breaux <sup>6</sup> Clarence M. Eidt, Jr. <sup>3</sup> Howell B. Payne	<b>1975</b> <sup>2</sup> William McElhannon, Jr. <sup>3</sup> Richard J. Spies <sup>3</sup> Wayne A. Turner
<b>1938</b> <sup>3</sup> William Kenda	<b>1957</b> <sup>3</sup> Wayne T. Davis	<b>1976</b> <sup>3</sup> James W. Turner
<b>1939</b> <sup>2</sup> Francis F. Cole	<b>1959</b> <sup>2</sup> Riley W. Wilson, Jr.	<b>1979</b> <sup>4</sup> Beverly Stokes Mentzer
<b>1943</b> <sup>2</sup> Frederick J. Hebert	<b>1960</b> <sup>3</sup> Sam W. Bergeron, Jr.	<b>1980</b> <sup>1</sup> Kenneth D. Smith
<b>1945</b> <sup>3</sup> Robert F. Westall	<b>1961</b> <sup>2</sup> Alfred P. Anderson	<b>1981</b> <sup>1</sup> David W. Clary <sup>1</sup> Gretchen C. LeBlanc
<b>1946</b> <sup>1</sup> John B. Elstrott	<b>1962</b> <sup>4</sup> Paul Murrill	<b>1982</b> <sup>5</sup> Louis Caston
<b>1947</b> <sup>2</sup> George E. Carlson <sup>5</sup> Otha C. Roddey <sup>5</sup> Robert B. Stobaugh	<b>1963</b> <sup>2</sup> Armando B. Corripio <sup>4</sup> George A. Daniels	<b>1983</b> <sup>2</sup> Kevin M. Duhe
<b>1949</b> <sup>5</sup> Henry G. Abbot <sup>3</sup> Joseph F. Butterworth <sup>1</sup> Josef Cermak <sup>2</sup> Edmund F. Metz <sup>4</sup> Mimi T. Rosenthal	<b>1964</b> <sup>3</sup> Arthur K. Barton, III <sup>3</sup> James N. Morris, Jr.	<b>1985</b> <sup>2</sup> Susanne C. Warren
<b>1950</b> <sup>3</sup> Marc F. Fontaine <sup>1</sup> M.C. Schroder, Jr.	<b>1968</b> <sup>2</sup> Paul J. Bilello, Jr.	<b>Others</b> Alston B. Barrow John H. Cartwright Jesse Coates Valerie A. Winters
<b>1951</b> <sup>3</sup> Jose A. Barake <sup>2</sup> Eric P. Breidenbach <sup>4</sup> P. L. Thibaut Brian <sup>4</sup> Eugene A. Rozas	<b>1969</b> <sup>5</sup> Gilberto J. Escobar	<b>1987-88</b> <sup>1</sup> \$0-99 <sup>2</sup> \$100-249 <sup>3</sup> \$250-499 <sup>4</sup> \$500-999 <sup>5</sup> \$1000-2499 <sup>6</sup> \$2500 and up Includes Matching Funds
	<b>1971</b> <sup>3</sup> Lynn F. Guidry	
	<b>1972</b> <sup>1</sup> John M. Olive	

## ADDRESSES FOR MANY ALUMNI NOT KNOWN

We have no addresses for the following alumni. We are certain that they would also appreciate receiving the Alumni Newsletter and renewing contact with the Department. If you know of a current address for any of them, please let us know.

If a prize were given for locating the most missing alumni, last year it would have been awarded to **Thomas C. Landrum** (BS ChE '36), who cleared 13 names from the list. Can anyone top this record this year?

### 1915

Cyrus T. Helm  
Glynn H. Ledbetter  
John R. Mays, Jr.

### 1922

Norman G. Platts  
Ramachandra B. Padhye

### 1924

Ernest E. McCollough

### 1933

Russell N. Lay  
Lawrence O. Lord

### 1934

Samuel R. Fitzgerald  
James E. Lindsay

### 1935

Henry P. Broussard, Jr.  
Mary L. Digirolamo  
Albert P. Garner  
Richard A. Pratt  
M.R. S. Rao

### 1936

James R. Britt  
James R. Colvin  
Lealand A. Enberg  
Louise T. Kennedy  
James H. McGee  
Francisco P. Pilapil  
Alvin D. Rolufs

### 1937

John L. Burt, Jr.  
Stephen A. Caldwell, Jr.  
Delma M. Cointment  
Angel A. Colon  
John T. Franques  
Edwin Liebert  
Morris L. Perlman

### 1938

Walter H. Johnson

### 1940

Henry Blanchet  
James W. Bridges  
Phelan W. Eatman  
Y. Ebra J. Lopez

### 1941

John P. Ketteringham, Jr.  
Charles A. Overstreet, Jr.

### 1942

William F. Daniels  
Gilbert F. Moore

### 1943

Thomas J. Becnel, Jr.

### 1944

Manuel Mestre  
Jack W. Racine

### 1945

Armando Alonso  
Juan Castresana  
Charles B. Richard

### 1946

Elbert R. Harris

### 1947

Alvin T. Edgeron, Jr.

### 1948

Chimanbhai I. Amin  
Harry W. Brown  
William B. Chancellor  
Lee A. Crenshaw  
Guillermo A. Dominguez  
Harold L. Keaton  
Clarence E. McMillan, Jr.  
Marvin S. Park

### 1949

Maurice G. Baxter  
Edmund P. Davis  
Thomas M. Logan  
John R. Major  
Durward J. Templet

### 1950

Harish C. Anand  
Earl P. Babin  
Raul V. Capote  
De La Mora V. Carreto  
Avice G. Dubuisson  
Albert L. Fourmy  
Gene A. Freiss  
Thomas E. Linder  
Boyce Nunnally, Jr.  
Clarence E. Phillips  
Robert D. Platt  
Wilson C. Pullig  
Joseph E. Steiner

### 1951

Basil W. Andrews  
Albert L. Gagneux  
Ruble L. Huff  
Lonnie Z. Mallory, Jr.  
Ramon A. Merino  
Jimmie E. Middleton

### 1952

Omar Arape  
Fernando H. Bergonzoli  
Oscar D. Duncan

### 1953

Wilbur A. Kean

### 1954

George M. Guidroz  
Gene A. Johnson  
Humberto P. Machado  
Jose A. Moncada  
Mario Posada

### 1955

Zevada M. Avalos  
Albert K. Defrance, Jr.  
Curtis H. Foshee  
Raymond C. Hatfield  
Eugene W. Luce  
Guy C. McCombs, II  
Wilhelmus Melis  
Paul E. Otto

### 1956

Larry L. Devillier  
Thomas W. Howard  
Kenneth Hoy  
Robert Pole

### 1957

Yeganeh A. Amir  
Maurice F. Beauvais  
Carl C. McCoy, Jr.  
Frederick E. Marsh, Jr.  
Norwood W. Matherne  
John W. Maurin

### 1958

Joseph M.P.H. Adam  
Augustine J. Corona  
Harry A. Edwards  
Franklin M. Ingram  
Mohan S. Kothari  
Euclide J. Leleux  
Jean P. Mariani  
William C. Meek, Jr.  
Bobby M. Miller  
Sayed H. Nassar  
Maurice K. Nasser  
Joseph T. Regard  
William C. Russo

### 1959

Charles E. Adams  
Troy E. Bain  
Richard I. Brown  
James K. Crochet  
Robert H. Ells, III  
David J. Gaignard

Jai N. Goel  
Thomas C. James  
Robert H. Jines  
Gerald W. Kattong  
Habib Labbauf  
Freddy W. Landae  
Donald R. Megison  
Jerry C. Miller  
James S. Piker  
John M. Webre

### 1960

Charles E. Beckler  
Ronald G. Corley  
George P. Distefano  
Jose L. Fuertes  
Sebert A. Haynes  
Jewel A. Hymel  
Charles E. Knight  
Robert W. LaCour  
William F. Lanigan  
Michael J. Maurin  
Fuertes J. Mendez  
John L. Morrison, Jr.  
Larry J. Remont  
Jacques L. Saudy  
Shwen-ih Wang  
Richard W. White  
Don W. Wolsefer

### 1961

Heraldo A. Agreda  
Lam C. Anglin, Jr.  
Jose G.L. Barredu  
Jorge A. Clemente  
Hector J. Corella  
Jimmy M. Givens  
Carlos E. Gutierrez  
Ernest W. Harrison  
James C. Holland  
Manduley E. Insua  
Boyd Y. Leblanc  
Barrenda Jose G. Lopez  
Humberto E. Lopez  
Sanchez H. Lopez  
Enrique C. Manduley  
Jorge A. Pino  
Fernando X.W. Pires  
Victor Plas  
Emilio R. Rivera  
Knochudy N. Shenoy  
Glenn L. Wise  
Gary H. Young

### 1962

Jeff W. Baird  
Leonard M. Boudreaux  
Fred E. Causey  
Charles R. Guerin  
Jack W. Harris  
James M. McCormick  
John P. Moore, Jr.  
Walter H. Plain  
Henry M. Troth, Jr.  
James V. Valliant, Jr.

### 1963

Jose F. Agreda  
Maria Z. Aguilar  
Eunice E. Byrd  
Eugene G. Coco, Jr.  
Robert Guerra, Jr.  
Daniel H. Longwell  
Billy W. Magee  
Jimmie D. Pottorff  
Leo S. Sues

### 1964

Shelton R. Birch  
David G. Caddy  
Ivan E. Caro  
Danilo P. Castillo  
Rao Devarokonda  
Omar J. Esmal  
Vernon R. Hartdegen  
James T. Kennison  
Herbert J. Louque  
Gary M. Montgomery  
John L. Murray, Jr.  
Motiran K. Patil  
Pietro K. Piralla  
Denarakonda H. Rao  
Juan R. Santa-Coloma  
Robert G. Tripp  
Donald C. Warren  
Jerry W. Watts

### 1965

Nolan J. Adams  
Malcolm L. Dove  
Ronald E. Jones  
Mauricio A. Lopez  
M. S. R. Ramesh  
Nora A. Sanchez  
Roderick H. Simmons  
Antonio Velidanes

## MISSING ALUMNI

### 1966

Charles C. Boudreaux  
Gerardo T. Brink  
Richard F. Buckley  
Jaime P. Bueno  
Orlando E. Cardoso  
Orie H. Gay, Jr.  
James E. Horn  
William G. McGlasson  
David Miner  
Pedro J. Nogueira  
Bueno J. Porres  
Sims L. Roy, Jr.  
Richard J. St. Pierre  
Mario M. Salinus

### 1967

Richard G. Beecher  
James H. Doub  
Joseph L. Edmonson  
Howard M. Elder, Jr.  
Raul V. Fonte  
Wilbert S. Fox  
Wilbert S. Mackay  
Eduardo R. Martinez  
Hooshang S. Moghani

### 1968

Arunendu Bhattacharya  
Robert J. Camacho  
Ricardo J. Gomez  
Guy J. Harel  
Ronnie D. Jackson  
Chung Ying Liu  
Jorge L. Martinez  
Julio C. Padilla  
Timothy J. Pardue  
Kenneth J. Parent, Jr.  
Jerry D. Price

### 1969

Jose J. Aquirre  
Byron B. Bacas  
Darryl J. Barthlemey  
Yu-Chin L. Chen  
A. A. Deaguirre  
Charles E. Dunlap, Jr.  
Jerry D. Fourroux  
Jules A. Lambert  
Yu-Chin Liu  
Charles W. Morgan  
Ivan A. Navarro  
Jose M.D. Paniza

### 1970

Alvaro Campuzano  
Kyle L. Preston, Jr.  
James J. Spivey  
Luis Uguento

### 1971

Saeed Aflakian  
Sain D. Anand  
Jose F. Azouth  
Richard E. Dorris  
Donald D. Esch  
Segundo Fernandes, Jr.  
Steven R. Guidry  
Mark A. Jeffers  
Thomas R. Kohn  
Michael W. Leger  
M. C. McDonald, Jr.  
Haywood B. Miles, III  
Ronald D. Miles  
Danny J. Perrer  
M. J. Rathbone, IV  
Glen D. Savoy  
John H. Savoy  
William A. Settoon, Jr.  
Vinodchandra R. Shah  
Ahmad Shariat  
Philip W. Smith  
Stephen R. Williamson

### 1972

Juan F. Ardila  
Bernado C.K. Chan  
Pak S. Fong  
Edward M. Keating, Jr.  
Juanluis Kindelan  
Michael Michaud  
Jose R. Morao  
Richard W. Nill  
Donald L. St. Germain

### 1973

Rafael D. Feo  
Oliver D. Habibe  
Simon Hacker  
Soo K. Han  
M. R. Karbassian  
Wendell Lattier  
Glen C. Lungard  
Ronald J. Manuel  
Madhusudan Nathany  
Carol Norris  
Mehmet O. Ozelsel  
Jay M. Railey

Norman K. Roberts  
Anan Sitipong  
Carol N. Tollett  
Roger E. Waguespack  
Clarence S. Waterman  
Claude A. Williams  
Wen-Ching Yu  
Emilio R. Zarruk

### 1974

K. Achampong-Baife  
Jamal M. Al Barzinji  
M. B. Behbehani  
A. Brandao-Dutray  
Galen M. Dino  
Frank D. Durringer  
Gangadhar D. Kane  
Sohan Lal Khungar  
Stephen P. Mayeux  
Mostafa Mina  
J.R. Ochomogo-Salinas  
Glen I. Pinilla  
Najmeh Sadighi-Nouri  
Larry R. Vollmer

### 1975

Rabie Ahdott  
Herbert M. Czeskleba  
Mohammad A. Movahed  
Paul T. Siegmund

### 1976

Stephen W. Krajcicek  
John F. Kress  
Helen M. LeBlanc

### 1977

Abdul J. Ahussain  
Kenneth R. Clem  
Owaraknath Reddy  
Jay S. Robinson

### 1978

Michael G. Bruce  
Allen T. Marshall  
Danny R. Young

## MISSING ALUMNI

### 1979

Manuel A.B. Arguello  
Tseng-hsun Chao  
Ender J.B. Ferrer  
Daniel E. Fields  
James A. Guzman  
Le N. Hue  
John W. N. Kwing King  
Chin-Kwan Liu  
Patrick L. Mihalik  
Timothy M. Mulvahill  
Timothy J. Pavelle  
Courtney D. Picou  
Solaiman G. Sindy  
Carl E. Sladec  
Michael R. Stamm  
Tuan A. Tang  
Ricardo Toro

### 1980

Mahmoud M. Alhashimi  
Raymond R. Allen  
Jean Bale  
Richard P. Bobbitt  
Floyd K. Davis, Jr.  
Villa D. Holland  
Steven W. Kleinpeter

Angela M.V. Labrador  
Bernie J. Lofoso, Jr.  
John F. Nelson  
Anh M. Pho  
Duc M. Pho  
F. R. Roberts  
Hamdani Saidi  
Keith VanWinkle  
Hector Villa, Jr.  
Marsha D. Wittner

### 1981

Lynda L. Bonin  
Stephanie L. D'Antonio  
Martha L. Donley  
Joel H. Keiffer  
Yat M. Lam  
Steve McCown  
Gwendelyen A. Mayeux  
Todd G. Nilsen  
David M. Rieden  
Tuan A. Vu  
Chien Wang

### 1982

Adnan Abdulrahman  
Bradley H. Carter  
Jean E. Carvajal  
Carroll K. Gordon  
Thomas L. Hernandez  
Richard D. Jordan  
Karen E. Korn  
Joseph K. Koro  
Robert B. Kuehn  
Alexis J. Meneses  
Jaime A. Pineda  
Michael H. Wink

### 1983

Robert A. Bordlee  
Lily Gunawan  
Byron A. Harris  
Leslie W. Harris  
Kenneth M. Jones  
Randall D. Roddivek

### 1984

Rudyard E. Davidson  
Yuanlisa Hudrono  
John D. Hutchison  
Albert C. Schwartz, Jr.

## IN MEMORIAM

Emmette T. Craig (BS ChE '43), January 7, 1984.

Perry LeCates (BSCHE '51, MS '57), August 4, 1986.

Pennywitt J. Naquin, III (BS ChE '54).

Jack Vernon Sams (B. S. 1943) died March 1, 1988, in Venezuela. He was a retired chemical engineer with Exxon Chemicals and a U. S. Navy veteran of World War II.

Dr. GIpson L. Carter (B.S. 1931, M.S. 1932, Ph.D., 1935) died in Baton Rouge on September 5, 1987. He earned the first doctoral degree conferred by LSU. Dr. Carter was a retired Exxon Company USA chemical engineer with 37 years of service.

**Rodney Porter**, who received the B. S. in ChE in May, was the first student to complete the LSU/Southern 3-2 program. He received his B. S. degree in chemistry from Southern one week before receiving his LSU degree.

**Jimmy Wong** presented a paper at the 1987 AIChE meeting in New York on the work he is carrying out with Professor Doug Harrison.

**David Cockrill**, another student of Harrison's, presented a paper at the 1988

Spring National Meeting of the AIChE in New Orleans in March.

**Joseph Roos** has received a NATO post-doctoral fellowship to continue his experimental research in biochemical engineering at the Technical University of Denmark in Copenhagen. Joseph will begin his work in Denmark upon his completion of his PhD work at LSU during the coming year.

**Karl Anderson** was the only student at LSU and one of a very few nationally awarded an NSF Fellowship for 1988.

**Undergraduate Awards**

**JESSE COATES**  
Vicki Labauve

**PAUL HORTON**  
Karl Anderson

Given to the graduating senior with the highest GPA who attends graduate school in chemical engineering at LSU.

**SENIOR SCHOLARSHIP**  
Karl Anderson

Given by the AIChE Chapter to the student with the highest GPA during their academic career.

**DOW OUTSTANDING JUNIOR**  
James Dautenhahn

Given by Dow Chemical U.S.A. to an outstanding junior to recognize achievements in scholarship, leadership, and campus activities.

**AMERICAN INSTITUTE OF CHEMISTS**  
Rodney Porter

**JUNIOR SCHOLARSHIP**  
Vicki Labauve

Given by the Department to the student with the highest GPA at the end of the junior year.

**SOPHOMORE SCHOLARSHIP**  
Lisa Comeaux

Given by the National AIChE to the student with the highest GPA at the end of their sophomore year.

**BASF SENIOR DESIGN**  
Maria Dumas Vicki Labauve  
Ileana Perez Angela Volvedich  
Awarded by BASF to encourage distinction in undergraduate design activities.

FILL OUT AND RETURN TO

John R. Collier  
Department of Chemical Engineering  
Louisiana State University  
Baton Rouge, LA 70803

Name \_\_\_\_\_ Year Graduated and Date \_\_\_\_\_

Address (home) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone (home) \_\_\_\_\_

Address (work) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone (work) \_\_\_\_\_

CURRENT ACTIVITIES (employer, position, honors, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Reunion, November 26, 1988**

I will be able to attend the reunion this year

I will not be able to attend the reunion this year

**Department of Chemical Engineering  
Louisiana State University  
Baton Rouge, Louisiana 70803**

**BULK RATE  
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BATON ROUGE, LA**



"... P.S. We are counting on you for a **BIG** contribution to the Alumni Fund this year."