

# Chemical Engineering

Alumni Newsletter  
Volume 19 • Spring 2003



GORDON A. AND MARY CAIN  
DEPARTMENT OF CHEMICAL ENGINEERING  
LOUISIANA STATE UNIVERSITY

# Letter from the Chairman



*Dear Alumni and Friends,*

*We are planning to host the Second Annual Chemical Engineering Reunion in September of 2003. Last year we gave tours of our undergraduate laboratories to highlight recent improvements. This year we plan to highlight on-going research projects in the department as well as have the labs open for everyone to tour. We want this to be a fun day for families and give alumni an opportunity to visit with old friends, faculty, and staff. More information concerning the reunion can be found at the back of this issue.*

*In other news, we welcomed our third new faculty member at the start of the spring semester, Jerry Spivey, and you will read more about him in this issue. The third meeting of the Alumni Advisory Committee will be held August 15, 2003 to continue the work of helping the department define educational objectives and assessment tools to evaluate those objectives. And, we are scheduled to undergo two reviews later this year: one for ABET accreditation and the other as part of our priority department status in February of 2004.*

*We continue our efforts towards improvements and modernizations to ensure that our program, on both undergraduate and graduate levels, meets the needs of local industry and produces graduates of the highest caliber. As always, if you have any questions or comments regarding our program and the direction in which we're headed, please do not hesitate to stop by the department. The faculty and I would be most interested in speaking with you. We hope to have more information on the building in the next newsletter.*

*Sincerely,*

A handwritten signature in black ink that reads "F. Carl Knopf". The signature is written in a cursive style with a large, stylized initial "F".

F. Carl Knopf  
Ending Professor and Chairman

If you would like to know more about contributing, please contact Carl Knopf at 225/578-1426 or send an email to [knopf@che.lsu.edu](mailto:knopf@che.lsu.edu).

## A Word of Thanks to Our 2002-03 Contributors

Although financial support has been impressive, departmental expenses continue to rise and further renovations are essential in remaining competitive with our counterparts at other universities. We would like to thank the following corporations and individuals for their role in maintaining the outstanding reputation that LSU has achieved throughout the years.

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*Chemical Engineering* is published for the benefit of its alumni and students. Comments and suggestions should be directed to:

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# Associate Professor James Spivey



23 years after receiving his Ph.D. from LSU, we welcome the return of James "Jerry" Spivey to the chemical engineering department—this time as the new James McLaurin Shrivvers Professor and associate professor.

After earning both his B.S. and M.S. in chemical engineering from North Carolina State University in 1972 and 1974, respectively,

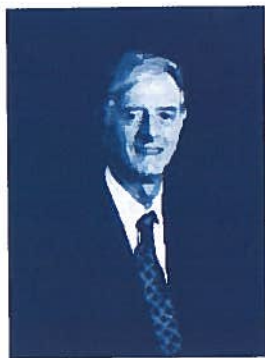
Spivey received his Ph.D. in chemical engineering in 1980. While attending LSU, he worked at Ethyl Corporation in Baton Rouge as a process engineer doing process design, plastics applications, and process development. Upon graduating, he returned to North Carolina and worked at the Research Triangle Institute as a senior program director until June 2000. At this point, he accepted a position at North Carolina State University as a research professor in the Chemical Engineering Department until joining our faculty in January 2003. The main focus of his research is the development of heterogeneous catalysts and adsorbents. More specifically, the research is focused on environmental catalysis, synthesis of chemical

intermediates from simple carbon feedstocks such as methane, and the synthesis of ultra-clean fuels using the Fischer-Tropsch process.

Spivey has been awarded five patents since 1997 involving his catalysis research; edited 10 books, including eight volumes in the *Catalysis* book series produced by the Royal Society of Chemistry (Cambridge, U.K.); given 12 invited lectures or short courses in both the U.S. and Europe; produced over 40 publications in nationally recognized journals and books; and, given 45 presentations at technical conferences around the world. He is an associate editor of *Catalysis Today* (Elsevier), and has served on the editorial boards of *I & EC Research* (American Chemical Society) and the *Journal of Advanced Oxidation Technologies*, and currently serves on the editorial board of *Chemical Engineering Journal* (Elsevier, Amsterdam).

We are very excited to have such a prodigious researcher and lecturer join our faculty. And, we are confident that he will be a valuable addition to our program as we continue to improve and expand the services and activities of the department. For his side, Spivey says he is enjoying getting to know the students and is impressed with the generosity and hospitality that the faculty and staff have shown him. He is looking forward to many more years as a researcher and professor in the Department of Chemical Engineering.

## Engineering Hall of Distinction 2003 Inductee- Ed McLaughlin



Founded in 1979, the Engineering Hall of Distinction was established to recognize individuals who have made significant contributions to the engineering profession. The three criteria for nomination are distinguished professional achievement, dedicated service to engineering, and outstanding humanitarian activities. In 2003 Edward McLaughlin, dean emeritus of the College of Engineering and

professor emeritus and former chairman of the Department of Chemical Engineering, was inducted at this twenty-second

induction ceremony for his many contributions to the department, college, and University.

McLaughlin, a native of Ireland, earned both his baccalaureate degree and master's degree from Queen's University, Belfast, and his Ph.D. in physical chemistry from Imperial College of the University of London, England, as well as a D.I.C. in chemical engineering-thermodynamics. In addition he was awarded a D.Sc. in recognition of his international standing in fields of thermodynamics and transport properties of dense fluids. Upon earning his Ph.D. he was offered a position at Imperial College in the chemical engineering department. During his 14 years there, he rose from assistant lecturer, lecturer, senior lecturer and reader, to assistant director.

## Ed McLaughlin (continued)

But Jesse Coates, while visiting London in the late 1960s, persuaded McLaughlin to come to LSU on sabbatical leave as an NSF Senior Visiting Foreign Scientist. In 1970 he decided to make it permanent and accepted a position as a professor in the Department of Chemical Engineering. In 1979 he became the department chairman, serving in that capacity until 1987 when he became dean of the College of Engineering. He retired in 1997 after a long, prolific career as an educator and leader with many accomplishments to his credit.

It was while serving as chairman that he started the title professorships in order to reward the faculty and replace a lack of state funding. He continued this practice as dean and its success can be gauged by the fact that almost all college faculty members hold a professorship. As dean he saw a growing need to enhance undergraduate laboratories and approached the college student leadership with the idea of a technology fee to enhance the laboratory equipment, which

eventually was adopted by the University and then by the legislature.

However, the ties he forged with alumni and industry are probably one of his greatest achievements and the results are easily viewed today. As chairman, he encouraged closer ties to industry since that is where most of our graduates were going. Through his efforts, we got the funding for the titled professorships, countless scholarships, and graduate fellowship support. In fact, college endowments currently exceed \$40 million with a majority of those funds being donations from alumni or industry figures.

In light of this brief history, it is easy to see why he was chosen for this distinguished honor. He truly deserves and we whole-heartedly congratulate him on his induction into the Engineering Hall of Distinction.

## Arthur Sterling Retires



Sterling (right) with Joseph Polack at his retirement dinner.

After more than 25 years in the Department of Chemical Engineering, Arthur Sterling retired from LSU at the end of June 2003.

Sterling received his B.S. from Gonzaga University in 1961 and his Ph.D. from University of Washington in 1969, both in chemical engineering. Upon

graduating he obtained a position at the University of Washington, first as an instructor in the Department of Urology in the School of Medicine and then as a research associate in the Department of Chemical Engineering. In 1972, he accepted a position at the Academic Hospital of Leiden University in Leiden, The Netherlands, in the Department of Urology and by 1973 he was head of the Urodynamics Laboratory. But in 1975, he was recruited by then department chairman Joseph Polack to work at LSU. He accepted and signed on as an associate professor, but he has served in many capacities since then.

In 1980 he became a full professor, and in 1997 he was awarded the William Raymond Endowed Professorship.

Furthermore, he served as department chairman from 1995-97. During his time here, Sterling endeared himself not only to the faculty and staff but to the students as well. He received the Faculty Appreciation Award from the Engineering Council of LSU for the academic year 1996-97 to honor him for his achievements as an educator.



Attendees patiently await the arrival of their dinners.

A farewell dinner was held for Sterling on May 12, attended by faculty, staff, and their spouses. As goodbye gifts, the department gave Sterling an engraved LSU watch and a copy of *Louisiana Sojourns*, which had been signed by everyone in the department. We will certainly miss Sterling, but wish him well. Besides, he has assured everyone that even though he is retiring, he will still come by the office...once in a while, anyway.

## Faculty News

**Armando Corripio and Danny Reible** placed second overall in the Leukemia Regatta in New Orleans with their sailboat "Corona." The regatta benefits the Leukemia and Lymphoma Society.

**Kerry Dooley** is the chair of the Southwest Catalysis Society for 2003-04. Also, he coordinated the 2003 NSF Research Experience for Undergraduates (REU) program this summer; this program is administered jointly by chemical engineering and the Department of Chemistry.

**Gregory Griffin** traveled to Washington, D.C., in May to participate in an NSF panel review of sensor technology proposals.

**Ralph Pike** presented two papers, "Advanced Process and Chemical Complex Analysis Systems" and "Integrated Chemical Complex and Cogeneration Analysis System: Energy Conservation and Greenhouse Gas Management Solutions," and co-chaired a session at the Indianapolis AIChE annual meeting in November 2002. In February 2003, he presented an invited paper, entitled "Gross Error Detection in Chemical Plants and Refineries," at a NASA and NSF workshop on campus. He presented a paper, "On-Line Optimization, Energy Analysis and Environmental Impact of Sulfuric Acid Catalyzed Alkylation Process," and co-chaired three sessions at the New Orleans AIChE annual meeting in March 2003. And, he was invited to present a paper entitled "Development and Integration of New Processes for Greenhouse Gases Management in Multi-Plant, Chemical Production Complexes" at a NATO conference held in Italy in May 2003.

The following patent application was approved: **Valsaraj, K.T., K.E. Thompson, D.D. Reible, and L. Yan**, DNAPL remediation through density-modifying polyaphron treatments. (Le Yan is a Ph.D. student working with all three faculty members.)

## Faculty Awards

**Armando Corripio** was an honoree at LSU's Twelfth Annual Employee Recognition Ceremony for achieving 35 years of service at LSU. The ceremony was held at the Lod Cook Alumni Center on May 7.

**Martin Hjortsø** achieved 20 years of service at LSU in May 2003.

**Kalliat Valsaraj** received special commendation from the Air and Water Management Association for service on their Online Library Task Force. He also serves on the editorial review board of the prestigious *Journal of Air and Waste Management Association*.

## 25 Years of HSRC at LSU

The Hazardous Substance Research Center (HSRC) South/Southwest region recently celebrated 25 years of continuous EPA funding at LSU, which gives LSU a unique distinction among U.S. universities. More so, as relates to our department, we have played a pivotal role in the center's life as three chemical engineering professors have served as director for the program: **Douglas Harrison** for half a year in 1984, **Louis Thibodeaux**, 1984-95, and **Danny Reible**, 1995-present; civil engineering professor E. J. Dantin was director from 1981-84. The following is a brief history of the life and purpose of HSRC.

In 1981 the EPA named LSU as a Center of Excellence in hazardous waste research and began funding a research center to coincide with this topic. Since that time the center has successfully competed on a national level for funding by the EPA with the current award continuing through 2006. The primary focus of HSRC involves fundamental and applied research on assessment and remediation of contaminated soils and sediments as well as technology transfer and outreach programs to translate this research to resolve problems at specific sites.

### 25 Years of HSRC at LSU (continued)

These activities have:

- Attracted research funding in excess of \$35 million
- Created a framework of at least 75 faculty members to participate in interdisciplinary environmental problems
- Educated more than 450 students on environmental problems and solutions
- Fostered the creation of LSU's environmental engineering program, one of fewer than 35 in the country
- Directly led to the publication of more than 360 peer-reviewed publications in learned journals and more than 70 books or chapters in books
- Investigated and developed a variety of environmental technologies currently at use in contaminated sites throughout the world
- Developed and improved an understanding of the process critical to assessing and remediating contaminated sites

In addition to the center's role as a technical resource for the professional community, it has a growing role in direct support of communities faced with hazardous substance issues. Two noteworthy programs are Technical Outreach Services for Communities (TOSC) and Technical Assistance for Brownfields (TAB). TOSC assists communities in understanding the technical issues associated with hazardous waste sites in their vicinities and empowers communities so they can participate in the decision-making process. On the other hand, TAB helps communities clean up and redevelop damaged and/or undervalued properties.

The celebration honoring the success of HSRC was held May 1-2, 2003, at the Lod & Carol Cook Conference Center. Danny Reible presided over the ceremonies, which included many presentations on research currently being conducted by HSRC.

### From Cuba to Louisiana – Additional Updates

The following are more responses to our article on Cuban chemical engineering graduates, which originally appeared in the Spring 2002 issue:

Luis R. Canas, Ph.D. (B.S. 1975), Westinghouse Savannah River Company writes: "Dr. Corripio seemingly forgot these two Cubans: Carlos Acevedo (B.S. 1975), native of Cuba, though he had migrated to Puerto Rico after the Castro revolution. Manuel Rodriguez (Sugar Engineering B.S. 1974 or 1975), another Cuban native who had moved to Honduras after the revolution. He settled in Panama after leaving LSU."

This one references our follow-up article that appeared in the Fall 2002 issue as well:

Keeno Martinez writes: "Mr. Pablo Navarrete Vaillant (B.S. 1949) was definitely by far, the most gifted student under Professors Horton, Coates, Keller, Pressburg, etc. Even though not included in your articles either, I appeared on page 12 under 1950s." Mr. Martinez is a historian at the Kappa Alpha Fraternity, Samurai, member of the LSU Student Council, president of the Latin American Student Council, participant in the Newman Club, Vice-President of the Sahara Club at the Pan-American House, and member of the American Institute of Chemical Engineers and the International Relations Club.

## Student News

Kalliat Valsaraj's graduate students, **Hong Fei Lin** and **Suresh Raja**, and his post-doctoral research associate, **R. Ravikrishna**, presented papers at the National ACS meeting in New Orleans in March 2003.

**Renee Magnolia**, a senior in chemical engineering, did a public service announcement on the radio concerning TOPS Scholarships and LSU, which was sponsored by Dow Chemical Company.

## Best Styrene Plant Design Competition



The first place winners are pictured here with Armando Corripio during spring 2003 commencement activities.

Five design teams from the 2003 chemical engineering class participated in the Best Styrene Plant Design Competition sponsored by Celanese Chemicals. The written reports and oral presentations were judged by six process engineers from industry: Andrea (Mattson) Kind (B.S. 2000) and Marty Glynn of Chevron-Phillips Chemicals and Mike Betbeze (B.S. 1997), Christina (Jarrell) Aguillard (B.S. 1999), Clint Persick, and Ashley Rabalais of ATOFINA-Cosmar. The results were as follows:

**First Place (\$250):** Jennifer Leigh Bailey, Chan Kok-Sim, Elaine Victoria Lim, and Lim Shiow-Huoy

**Second Place (\$150):** Brad Douglas Halphen, Kristen Danielle Rabalais, and Loyd Maurice Simms, III

**Third Place (\$100):** Fong See-Yin, Christopher Dean Jamerson, Thomas Alexander Spiers, and Tan Mei Huey

Andrea King of CPC Chemicals and Marcus Ledoux (B.S. 1987) of ATOFINA also gave presentations to the class on their respective styrene processes and organized tours of their plants for the class. This participation by industry in our education process is most beneficial for the students and our faculty. The students in the class were very appreciative of what they learned from these experiences.

Other contributors to the plant design class were: Eric Parvin of Dow Chemical, who guided the students in the design of relief valves; Steve Moore, Al Lowery, and David Kernion, of Moore Construction, who lectured on explosion resistant building; Jerry Pellette of Georgia Gulf, who lectured on the 14 components of Process Safety Management; Jim Ingram of ATOFINA, who spoke on Hazan/Hazop; and Jon Feldhausen, Risk Management Advisor at ExxonMobil Chemical, who made a presentation on Emergency Response Preparedness.

## Chemical Engineering Senior Receives One of LSU's Top Honors



**Laura Leigh Davis** was selected to participate in Leadership LSU for the spring 2003 semester. She is among 25 students, out of more than 200 nominees, to be selected for this honor. Students are chosen based on their academic accomplishments, demonstrated leadership abilities, and involvement in both campus and community activities while attending LSU. A list of some of Davis' activities/honors are as follows: vice president, Omicron Chi Epsilon; assistant treasurer, Kappa Delta Sorority; member of AIChE; Dean's List; Christ the King Catholic Church Eucharistic minister; Natiendment finalist; and LSU Alumni Association Top 100 & Centennial Scholar. We congratulate Davis on receiving one of the University's most distinctive honors.



### Student Awards

**Justin Birdwell, Shiju Thomas, and Qingzhong Yuan** received Economic Development Assistantships in the amount of \$25,000 each from the Graduate School for four years, one year, and three years, respectively. This is a new award given to qualified graduate students whose study and research will be economically beneficial to the State of Louisiana.

**Lim Shiow-Huoy**, a senior in chemical engineering, was awarded the Instrumentation, Systems, and Automation Society (ISA) Baton Rouge Section scholarship for 2003. The scholarship consists of \$100 and is given to a student who shows interest in learning about process instrumentation and control.

**Kristen Rabalais** received third place in her session at the 2003 student regional AIChE conference held in Melbourne, Florida, for her research presentation titled "Flow of Non-Newtonian Fluids Through Porous Materials."

**Byron Sevin** was given the Dow Outstanding Junior in Chemical Engineering Award for 2003. The criteria for this award are as follows: top 20 percent of class in scholastic performance; junior class standing; U.S. citizenship; and recognition as a leader in campus activities. The student is chosen by the Dow Chemical Company and receives a cash award of \$1,750 from the Dow Chemical Company.

**Laura Elizabeth Stromer**, a junior in chemical engineering, was given the department's Othmer Award for High GPA Sophomore as she earned a 4.0 her sophomore year at LSU.



Shiow-Huoy (right) receiving the scholarship check from Wally Parker (left), President, ISA Baton Rouge Section.

### LSU's Best and Brightest includes 2 ChE Students

As reported in the Spring 2003 issue of *LSU Magazine*, the Chancellor's Alumni Scholarship is given to the best incoming freshman students at LSU. These students have the best ACT/SAT scores, the highest GPAs, the most notable extracurricular activities, the best writing samples, and the best performance in on-campus interviews. Recipients can choose between two awards: a cash award of \$3000 per year for four years or a cash award of \$1000 per year with free room and board for four years; coincidentally, nine of the ten scholarships are funded by an endowment to the LSU Alumni Association by Gordon A. Cain (B.S. 1933), namesake of the department. Students are eligible to earn an additional \$1550 per year thru the Chancellor's Future Leaders in Research Program in which students work on research projects with faculty members. During the 2002-03 academic year, two of the ten students chosen to receive this scholarship are majoring in chemical engineering.



Ryan David Fontenot

Ryan David Fontenot of Nederland, Texas, was the valedictorian of his high school. He earned 68 hours of credit towards his degree prior to entering LSU. He earned a 4.0 GPA in both the fall and the spring, placing him on the Chancellor's Honor Roll. While enrolled in classes, he also holds two jobs on campus, both in research. One is in chemical engineering where he works with Gregory Griffin through the Chancellor's Future Leaders in Research Program. The other is in the aerospace field, designing payloads for rockets and balloons. Upon earning a B.S. in chemical engineering, he hopes to go into either management or research in the chemical engineering industry, and he plans to earn either a M.B.A. or a Ph.D. Ryan says he chose LSU because it is his father's alma mater and because of the notoriety of the engineering department.

Tyler Robert Moore of Plaquemine, Louisiana, attended Catholic High School in Baton Rouge. He earned a spot on the Dean's List in both the fall and the spring and currently has a 3.818 cumulative GPA. Besides chemical engineering, his other passion is music. He is a member of a barbershop quartet and even earned eight hours of credit in music theory at LSU through pre-testing. He currently holds a research job in chemical engineering with Douglas Harrison through the Chancellor's Future Leaders in Research Program. He hopes to work as a chemical engineer for a large company upon earning his B.S.



Tyler Robert Moore

We are extremely pleased to have both of these excellent students in our program and congratulate both of them on receiving one of the University's highest honors.

## New Endowed Scholarships

Mrs. Evelyn Edmiston Howell recently established two \$50,000 endowed undergraduate scholarships in the chemical engineering department. The first was named in honor of her late husband, Paul Howell, who graduated from LSU in 1941 with a B.S. in chemical engineering. In 1955, he acquired a small oil refinery in San Antonio, Texas, which grew to become the Howell Oil Corporation based in Houston. After a prolonged illness, Howell passed away in August of 2001. The second was named for Mrs. Howell's late brother, Floyd S. Edmiston, Jr., who graduated from LSU in 1949 with a B.S. in chemical engineering. Edmiston spent his entire career working for International Paper Company in Louisiana and Mississippi until his death in 1980.

Mrs. Howell herself is a native of Baton Rouge and received her degree in home economics from LSU in 1947. Over the years, she has established other endowed professorships/awards in the LSU AgCenter and at LSU to recognize people important in her life. These include: The Floyd S. Edmiston Sr. Professorship in Agriculture and Natural Resource Management and the Floyd S. Edmiston Extension Award, in honor of her father who was a 1924 LSU graduate in agronomy; The Donald W. Clayton Professorship in the Craft & Hawkins Department of Petroleum Engineering, in honor of Donald Clayton who was the chairman and president of Howell Corporation, and a 1959 LSU graduate; and The Grace Drews Lehmann Professorship in Human Ecology, in honor of Lehmann, who was Mrs. Howell's classmate in home economics. Lehmann was also a great inspiration to Mrs. Howell as Lehmann earned her degree in spite of illness that kept her confined to an iron lung.

A reception was held on April 23, 2003, at the LSU Faculty Club to recognize Mrs. Howell for her contributions and to honor the faculty named to the newly created professorships. Chairman Knopf was in attendance to acknowledge the department's immense gratitude to Mrs. Howell. It is generosity like hers that assists the department and the University in their continuing efforts to meet the needs of LSU students as well as improve and expand existing services. We are deeply thankful for her gifts.

## 2002-03 Scholarship Recipients

### *Celanese Chemical Engineering Scholarship*

Kelly M. Nicolini  
Byron G. Sevin  
Brandon D. Stitt  
Mitchell W. Toon  
Rachel M. Wintz  
Kyle J. Zalman

### *Chemical Engineering Scholarship*

Dustin G. Flint

### *Chevron/Texaco Scholarship*

Richard H. Peak  
Michelle L. Somers

### *Conoco Scholarship*

Brandie K. Bergeron  
Cheryl C. Lawrence  
Cynthia S. Lim  
William G. Novak  
Dena E. Sellen

### *Gerard Family Scholarship*

Raleigh Bourg, Jr.  
Andre L. Buisson  
Renee K. Magnolia  
Bradley K. Pinkstaff

### *I.H. Gottlieb Memorial Scholarship*

James Callahan, III

### *O. Dewitt Duncan Scholarship*

Ashley McCarn

### *Paul M. Horton Memorial*

Charles Stanton

### *Vulcan Scholarship*

Lloyd M. Simms, III

## AICHe News

### 2002-03 Officers:

President	Billy Novak
Vice President	Ricky Mincey
Secretary	Rebecca Valladeres
Treasurer	Zach Hoffman
EC Representative	Kristen Rabalais

The LSU AICHe student chapter is supported through fundraising and donations.

## Spring 2003 Commencement

### Bachelor of Science in Chemical Engineering

Kara Lynne Allen  
 Sean Patrick Bagley  
 Jennifer Leigh Bailey (*Cum Laude*)  
 Michelle Renée Baudouin  
 Brandie Kay Bergeron  
 Brant Dustin Blanchard  
 Dustin Michael Bonin  
 Aaron Phillip Boogaerts  
 Raleigh Louis Bourge, Jr.  
 Brent David Bourgeois  
 Thomas Edward Brownmark  
 Joseph Browning  
 Melissa Elizabeth Collins  
 Charles Douglas Cowen (*Magna Cum Laude*)  
 Laura Leigh Davis  
 Dustin Graham Flint  
 See Yin Fong  
 Ronald Jacob Fontenot  
 Andrew William Godley  
 Loyd Daniel Gray  
 Brandon Joseph Guillory  
 Warren Joseph Hachet  
 Brad Douglas Halphen  
 Nia Juanika Harris  
 Brooke Elizabeth Hester  
 Zachary Thomas Hoffman (*Summa Cum Laude*)  
 Christopher Dean Jamerson  
 Cheryl Chagnard Lawrence  
 Loren Edward Leake

Che-Yih Lim  
 Elaine Victoria Lim (*Magna Cum Laude*)  
 Shiow-Huoy Lim (*Magna Cum Laude*)  
 William Vinh Lipham  
 Renee Kristen Magnolia  
 Jourdia Lindsey Matherne  
 Keith Andre Mayeux  
 Richard Duane Mincey  
 William G. Novak  
 Darren James Oufnac  
 Bradley Kyle Pinkstaff  
 Craig Patrick Plaisance  
 Kristen Danielle Rabalais (*Magna Cum Laude*)  
 Jessica Mikal Reilly (*Cum Laude*)  
 Vedma Sudarshanie Rupnarain  
 Dena Elizabeth Sellen  
 John Lewis Sfondouris (*Summa Cum Laude*)  
 Omkar Vijay Shertukde  
 Lloyd (Tré) Maurice Simms III  
 Michelle Lee Somers  
 Blair Holmes Spencer  
 Thomas Alexander Spiers  
 Mary Victoria Thompson  
 Kim Clara Trinh  
 Ryan E. Varnado  
 Patricia Ray Westmoreland (*Cum Laude*)  
 Kurt Joseph Wilson

### Doctor of Philosophy in Chemical Engineering

Amrit Panda



A graduate and his proud family enjoying the department's reception.



Douglas Harrison (right) poses with a happy graduate at the reception.



Karsten Thompson (left) chats with two recent graduates.

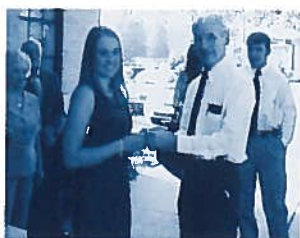
## Commencement Honors and Awards

**Zachary Hoffman** received LSU's University Medal and the College of Engineering's McLaughlin Medal. Both awards are given to graduating students with the highest GPA earned in the University and the college, respectively. Hoffman graduated with a perfect GPA of 4.0. Furthermore, he earned the American Institute of Chemist's Award, which is given to a graduating student exhibiting outstanding scholastic achievement, leadership, ability, and character; the recipient is chosen by a vote of departmental faculty.



Zachary Hoffman

Kristen Rabalais receives the Coates Award from David Wetzel at the department's commencement reception.



**Kristen Rabalais** was awarded the Jesse Coates Award given to a graduating senior exhibiting outstanding professional, campus, and community activities. This recipient is also chosen via a vote by departmental faculty. The award is given in the form of a watch, engraved with the recipients name, the date, and the award name; it is funded by an endowment set up by the friends of Professor Coates upon his retirement.

# Spring 2003 Departmental Distinguished Seminar Series

## **Professor Jeffrey L. Collett, Jr.**

Colorado State University

*Pollution Processing by Clouds and Fogs*

January 31, 2003

Jeffrey Collett provided an overview of the chemical compositions of fogs and clouds measured in a series of field experiments across the United States and highlighted the roles these clouds and fogs play as processors of atmospheric pollution. Together with gases and particles, clouds and fogs comprise a complex multiphase system. Collett explained how clouds act as processors of atmospheric aerosol particles and trace gases and as aqueous reactors for the production of new chemical species. He went on to explain some of the key processes involved. He also addressed recent evidence that suggests clouds are not only active processors of inorganic atmospheric compounds but of organic compounds as well. Collett's visit was hosted by Kalliat Valsaraj.

## **Professor George W. Roberts**

North Carolina State University

*Continuous Chain-Growth Polymerization in Supercritical Carbon Dioxide*

February 7, 2003

George Roberts explained how most commercial polymerizations are carried out in organic solvents or in water, resulting in large quantities of gaseous and/or liquid waste. However, he noted that using supercritical carbon dioxide (scCO<sub>2</sub>) as a reaction medium is an exciting new way to avoid such waste streams and that, in many cases, carrying out a polymerization in scCO<sub>2</sub> also results in significant energy savings. The surfactant-free, precipitation polymerizations of acrylic acid and vinylidene fluoride have been carried out in scCO<sub>2</sub> using a continuous stirred-tank reactor (CSTR). The kinetics of vinylidene fluoride polymerization were studied in some detail, using diethylperoxydicarbonate (DEPDC) as the free-radical initiator. The effects of inlet monomer concentration, temperature, average residence time, and agitation on the polymerization rate, the average molecular weights, and the molecular weight distribution were investigated. Roberts went on to discuss the specifics of this polymerization. Roberts' visit was hosted by Jerry J. Spivey.

## **Professor Anthony J. C. Ladd**

University of Florida

*Dynamics and Structure in a Settling Suspension*

February 21, 2003

During the seminar, Anthony Ladd summarized results from computer simulations of particles settling in a low-Reynolds number regime. He explained how the fluid flow is calculated using a lattice-Boltzmann model, which is coupled to the particle dynamics via a no-slip boundary condition on the surfaces of the individual particles. Finally, he compared results for the dynamics and microstructure of settling suspensions with available experimental measurements and examined current theoretical ideas in the light of these simulations. Ladd's visit was hosted by Karsten Thompson.

## **Professor Joel Baker**

University of Maryland/Chesapeake Biological Laboratory

*Geochemistry on a Dinner Plate: Organic Contaminant Dynamics in the Chesapeake Bay*

March 28, 2003

The Chesapeake Bay is the largest estuary in North America. The 64,000 square mile watershed surrounds a bay that is about 200 miles long and ranges in width from 3.4 miles to 35 miles. More than 15 million people live in the Chesapeake Bay watershed. The bay holds more than 7 x 10<sup>10</sup> m<sup>3</sup> of water, much of which is spread in a thin veneer over the sediments with much of the bay's waters less than 3 meters deep. The geochemistry of the Chesapeake is, therefore, dominated by loadings from the watershed and exchange of chemicals across the sediment-water and air-water interfaces. Joel Baker explained that for the past 12 years, he and others have conducted field studies of chemical contaminant cycling in the Chesapeake Bay with the broad goal of understanding how the estuary processes materials it receives from the landscape. He focused his discussion on the behavior of polychlorinated biphenyls (PCBs), a well-studied class of persistent hydrophobic organic chemicals. Baker's visit was hosted by Louis Thibodeaux.

## **Professor David Allen**

University of Texas-Austin

*The Texas Air Quality Study: State of the Science of Air Quality in Texas and Implications for Air Quality Policy*

April 4, 2003

David Allen is one of four lead investigators for TexAQS. He provided an overview of the study and discussed both the policy implications of the study as well as the enhanced understanding of urban atmospheric chlorine chemistry that emerged from the study. In short, the TexAQS was the largest air quality field study ever undertaken in Texas and one of the largest ever done anywhere in the U.S. During August and September of 2000, approximately 300 air quality investigators from around the world converged on Houston, Texas. The scope, goals, and preliminary results are available at the study website, [www.utexas.edu/research/ceer/texaqs](http://www.utexas.edu/research/ceer/texaqs). Allen's visit was hosted by Danny Reible.

### Alumni Updates

*If you would like for us to print news of your latest achievements, please complete the short form at the back of this issue and return it to us. Or send us an email at [gradcoor@che.lsu.edu](mailto:gradcoor@che.lsu.edu). We would love to hear from you!*

#### 1950s

**Juan Ignacio Gabilondo (B.S. 1950)** passed away in Havana, Cuba, on April 24, 2003. He is survived by two sons and a daughter who live in the United States.

#### 1960s

**Archie Norman Duplantis, Jr. (B.S. 1969)** retired from Chevron/Texaco on March 1, 2002. He now does some part time consulting when he is not fishing, hunting, or working for his wife.

**Robert Eakin (B.S. 1961)** retired from PPG Industries on August 1, 2001 after more than 39 years with the company; he was serving as the works manager of PPG's Chemical Manufacturing complex in Lake Charles, Louisiana, at the time of his retirement. He and his wife, Carolyn (Hill—Education 1961), currently reside in Lake Charles.

**George Potter (B.S. 1965, M.S. 1970, Ph.D. 1974)** retired from Hunt Oil Company last year.

**Jim D. Pottorff (B.S. 1963)** is currently in negotiations for a mid America refinery, and he is the developer of two major pet-coke gasification projects.

**Emilio Rebull Rivera (B.S. 1961)** is an international civil servant in the Organization for the Prohibition of Chemical Weapons (OPCW).

#### 1970s

**William P. Cagnolatti (B.S. 1964, M.S. 1971)** is retired from Exxon Mobil. He and his wife, Gwen (B.A. 1968, M.A. 1993), enjoy traveling, spoiling their grandchildren, and tasting the wine that Bill makes. They have two sons (both are LSU engineers), a daughter who is a nurse, two granddaughters, and a grandson.

**David Hurder (B.S. 1978)** is currently the vice president of McGean-Rohco, Inc. based in Cleveland, Ohio. In January 2003, he appeared on the CBS Saturday Evening News to discuss the impact of higher natural gas prices on the USA manufacturing economy.

**Stephen William Krajicek (B.S. 1976)** is president and owner of Comsentech, Inc., manufacturer of the original terry cloth mop "Sh-Mop." He is married to Lisa Ann Krajicek and they have four children: Tiffany, Ryan, William, and Blake. His interests include flying, boating, and riding his Road King.

#### 1980s

**Kenneth Hutchinson (B.S. 1978, M.S. 1981)** is currently a senior systems engineer with Hewlett-Packard (HP) in the San Francisco Bay area. He is responsible for sales of large computer servers in scientific and business applications. He is enjoying the city life and many outdoor activities in northern California. He has been located in San Francisco for the past two and a half years, and was previously in Atlanta, Georgia, with HP for five years.

**Chris Kjeldsen (B.S. 1986)** works for Crompton Corporation in Geismar, Louisiana as a senior energy engineer. He lives in Prairieville with his wife, Monica, and their two kids, Hannah (8) and Christian (2).

**Jorge Lavastida (B.S. 1985)** has been employed with DuPont Chemical Company since 1989. Since 2001, he has been at the Delisle, Mississippi, Titanium Technologies facility, where he has served as area manager of the Finishing Plant and the Supply Chain Group. In August of this year, he will begin a Six Sigma Black Belt assignment. He is married to the former Maureen Mayeaux (B.S. R.N. LSU 1991) of Metairie, Louisiana. They have four children: Emily Anne (11), Thomas (9), Claire (5), and Sara (2).

**Alumni Updates (Continued)**

**1990s**

**Naren Borgharkar (Ph.D. 1998)** works as an engineer at Thin Films in R&D-a company that makes ophthalmic lenses. He works on making new coatings, processes, and equipment. The company is called Essilor of America and is based in sunny Florida (known for its miles of sand, blue green waters, and hurricanes.) When he is not enjoying the beaches or traveling to Paris (on business), he works.

**Michael Dean (B.S. 1999)** currently works at Kaiser Aluminum and Chemical as a process engineer. He enjoys jogging, working as an assistant coach for T-ball, and working with the Cub Scouts.

**Bronson Guilbeau (B.S. 1998)** currently works as a process engineer for Ventura Foods, LLC in Opelousas, Louisiana.

**Vaughan Hart (M.S. 1998)** is currently working as an engineer for Lockheed Martin in Boulder, Colorado.

**Vennetta Thomas Hayes (B.S. 1998)** is currently an environmental chemical specialist with the Louisiana Department of Environmental Quality. She is the mother of Christopher, born in 1996; Tyler, born in 1998; Camryn, born in 1999; and "?" to be born in December of 2003.

**Pearl Kuan (B.S. 1998)** is currently employed with Petreco International, Inc. in Houston as an applications engineer. She is pursuing an M.B.A. at the University of Houston.

**Todd Marcello (B.S. 1993)** and his wife, Dana, are currently expecting a baby girl (Megan) in June. And their son, Taylor, will be two in June. They're both still huge Tiger fans. In fact, Todd has missed only two games since 1987.

**Deepak Saha (M.S. 1998)** is employed with Schlumberger in Denver, Colorado, as a business process/systems integration consultant. His work involves systems integration, business consulting, design, development, and implementation of enterprise-wide manufacturing and financial applications. His interests include white-water rafting, snow skiing, and snow boarding.

**Mark and Shannon Seymour (B.S. 1995 and 1996)** would like to announce the arrival of their daughter, Claire. Mark currently works at the Dow Polypropylene Plant in Norco, Louisiana and Shannon is a stay-at-home mom. They live in Destrehan with Claire and their three-year-old sons, Andrew and Matthew.

**Anthony R. and Janel McDonald Zareck (B.S. 1997)** are both employed by ConocoPhillips in Lake Charles, Louisiana. Anthony works as a process engineer in the Regional Engineering Department and Janel works as an engineer in the Process Safety Management Department. They have three beautiful children-ages 4 years, 2 years, and 3 months.

**2000s**

**Mamta Shah Aidt (B.S. 2002)** got married in February of 2003 and is currently working as a tech support engineer for the Ethylene Oxide and Ethylene Glycol units at Shell Chemical Company Geismar Plant.

**Fred Harry (M.S. 2001)** is currently working as a process support engineer for Honeywell International in Hopewell, Virginia. He works at a 800 Mlbs/yr caprolactam facility in the Ammonium Sulfate Crystallization area. And, he just got married in December of 2002.

**Scott Steady (B.S. 2000)** is currently working for Air Quality Services, an indoor air quality firm located in Atlanta, Georgia. His primary responsibilities include technical sales and operational support of the GREENGUARD Certification Program for Low Emitting Materials. In his spare time he plays soccer and has started an independent record label called Rat Race Records.

**LOST ALUMNI**

**We Need Your Help:**

*We would like to thank the treasured alumni who forward up-to-date information and current addresses for both themselves and others. Although many of our past graduates can be located easily thanks to the Internet, there remains a surprisingly large number of alumni that simply cannot be found.*

*Even though chemical engineering employment opportunities sometimes require an extremely volatile lifestyle, many of our graduates keep in touch years after the excitement of the diploma ceremony has waned. If you happen to know any information regarding the following alumni, please contact us. We would like to send a newsletter to as many of our graduates as possible.*

**1931**

Charles Edgar Gill

**1932**

Robert Edward Coffman  
Durward Ogden Wilkes

**1933**

Isadore Austin Allen  
Russell Neil Lay  
Lawrence O Lord

**1934**

Phillip J. Bertin  
Samuel Robert Fitzgerald  
James E Lindsay  
M. R.S. Rao  
Blaize N. Reginald  
Ellsworth Nelson Smith

**1935**

Henry Paul Broussard  
John Michael Chambers  
Mary Lily Digirolamo  
Charles Edgar Gill  
Richard Allan Pratt  
Hamilton McKee Johnson

**1936**

M R Subra  
James Roy Britt  
James Richard Colvin  
Lealand Arnold Enberg  
James Elder Humphrey  
Hamilton McKee Johnson  
Louise T Kennedy  
James Hardie McGee  
Francisco Pepito Pilapil  
Alvin D. Rolufs

**1937**

Claude Baggett, Jr.  
John Lucious Burt  
Stephen Adolphus Caldwell Jr  
Allen Lawrence Chaney, Sr.  
Delma McCabe Cointment  
Angel Alberto Colon  
James Richard Colvin  
George Oliver Hillard, Jr.  
Richard L Hodges, Jr.  
Edwin Liebert  
William Everitt Rowbotham  
Junius Eugene Sapp

Robert Boyd Stewart  
M R Subra

**1938**

James Camille Aucoin  
Waldo Joseph Chastant  
William Victor Dunne  
Harold Irving Holdeman  
Walter Hudson Johnson  
Gangadhar Dinker Kane  
Herman Siegel  
Marcel Joseph Voorhies, Jr.

**1939**

Stephen Adolphus Caldwell, Jr.  
Angel Alberto Colon  
James Hardie McGee  
Junius Eugene Sapp  
Lawrence Lloyd Smith  
David Connell Walsh, Jr.

**1940**

Henry Blanchet  
Luke J. Governale  
Y. Ebra Jose  
James V. Senese

**1941**

Walter Patterson Anderson  
Harry Clair Cole  
William Dean Luker  
Charles Arthur Overstreet, Jr.  
Lawrence Lloyd Smith  
Willis Wilcox Williams

**1942**

William Fowler Daniels  
Gilbert Fletcher Moore  
James Stanton Patterson

**1943**

Edmund Pettus Davis  
John Woodward Mizenko  
George Albert Speir, Jr.

**1944**

Manuel Mestre  
Jack William Racine

**1945**

Armando Alonso  
Juan Castresana  
Karl Albert Muller, Jr.  
Charles Bernard Richard

**1946**

William Courtayne Perry, Jr.

**1947**

George Charles Conrad  
Fred Carl O'Rourke, Jr.

**1948**

John Haywood Bryant  
William Bryan Chandler  
Arthur James Flint  
Thomas Edward Linder  
Clarence Eugene McMillan, Jr.  
George Henry Nusloch II  
Edward O'Donnell  
Charles Joseph Perilloux  
Edward Joseph Vorman, Jr.  
Carroll Davis Wallace  
Stephen A Winborn

**1949**

Harish Chandra Anand  
Maurice Gordon Baxter  
Richard Cameron Berry  
Thomas Fulton Burke  
Edmund Pettus Davis  
Herman Lucius Davis  
Louis Edmond De Chazal  
Harold Lee Finch  
Billy Joe Grady  
Thomas Moody Logan  
William Clarence Lyons  
John Rurick Major  
Edmund Frank Metz  
Edward Murphy Miscal  
Leon Milton Pliner  
Pablo Navarrete Vaillant  
Bruce Eugene White  
Ben Allen Willard

**1950**

Harish Chandra Anan  
Earl Paul Babin  
Raul Victor Capote  
Vincente Carreto de la Mora  
Albert Lacy Fourmy  
Marcelian Francis Gautreaux, Jr.  
Prasanna Chandra Goswami  
Thomas Edward Linder  
John Wells Melancon, Sr.  
Ben Duke Park  
Clarence Earl Phillips  
Robert Denton Platt

Theodore Russell Ray  
Osvaldo Ramon Rodriguez  
Jose Sales  
Pramod Lal Sarma  
Claude Joe Stiles  
Manuel Fausto Villapol  
Wesley Edgar Young

**1951**

Martinez Ricardo Felix  
Marcelian Francis Gautreaux, Jr.  
Luke J Governale  
Lonnie Zach Mallory, Jr.  
Jimmy Edgar Middleton  
Byron Christos Sakiadis  
Pramod Lal Sarma  
Arthur Wellington Sellers, Jr.  
Elvin Andrew Stafford  
John Dempsey Stokes

**1952**

Omar Arape  
Fernando Hoyos Bergonzoli  
Oscar Dewitt Duncan  
Glen Westly Gipson  
Donald Edward Howard  
Raymond Raffray  
John Dempsey Stokes  
Ezra Jasper Westbrook, Jr.

**1953**

Mansour Ghadar  
J. Douglas Harlan, Jr.  
Riyad Abdallah Khalaf  
Byron Christos Sakiadis

**1954**

Philip Earl Brubaker  
Robert W. Duhl  
John B. Fontenot  
Gene Addison Johnson  
Humberto Pinheiro Machado  
Jose Antonio Moncada  
Freeman Louis Morgan, Jr.  
Pennywitt Joseph Naquin  
Mario Posada  
Kenneth L. White

**1955**

Zevada M. Avalos  
Albert Kennedy DeFrance, Jr.  
Stanley Dison Hanesworth  
Raymond Calvin Hatfield  
Habib Labbauv

## LOUISIANA STATE UNIVERSITY

Guy Clifton McCombs II  
Wilhelmus Melis  
Byron Christos Sakiadis  
Patrick Gerald Simms  
Ezra Jasper Westbrook, Jr.  
George W. Wright

### 1956

Thomas W. Howard  
Kenneth Hoy  
Robert Pole  
Donald Robert Sams

### 1957

Yeganeh A. Amir  
Richard Irwin Brown  
Jose A. Chapman  
Earl Poole Farmer, Jr.  
Frederick Eugene Marsh, Jr.  
John William Maurin  
Carl C. McCoy  
Martha M. Mora  
Walter James Porter  
Silva Joaquin Sanchez  
Regulo Atilio Sardi  
Harold Alfred Simms III

### 1958

Joseph M.P.H. Adam  
Augustine Joseph Corona  
Richard Foster Crawford  
Harry Alonzo Edwards  
Marcelian Francis Gautreaux, Jr.  
Bernard J. Goussault  
Paul Joseph Gravel  
Donald Edward Howard  
Franklin Murry Ingram  
Mohan Singh Kothari  
Ferdinand Louis Larue, Jr.  
Euclide Howard Leleux  
Jean Pierre Mariani  
William Claborn Meek, Jr.  
Bobby Morgan Miller  
Maurice Khalil Nasser  
Biraja Bilash Paul  
Joseph Marie Pierre  
Joseph T. Regard

### 1959

Charles Ellis Adams  
Richard Irwin Brown  
Joseph Salvador Coglaity, Jr.  
James Kernon Crochet  
Jai Narain Goel  
Willard Milton Hanks  
Paul Richard James  
Thomas Charles James  
Harold Douglas Jelks  
Robert Harley Jines  
Habib Labbau  
John Morgan Webre

### 1960

Charles Edwin Beckler  
Gerald Paul Delaune  
George Paul Distefano  
Robert William Dupree, Jr.  
Kenneth F. Federico  
William Thomas Jackson

Charles Emory Knight  
Robert W. Lacour  
William Francis Lanigan  
Bernard Joseph Lofaso  
Michael Joseph Maurin  
Jose Leandro Mendez-Fuertes  
Biraja Bilash Paul  
Larry Joseph Remont  
F. J. Roussel  
Shwen Ih Wang  
Jerry William Watts  
John Wurster Wheeler  
Hugh Glenn Wilson  
Don Wesley Wolsefer

### 1961

Heraldo Antonio Sifontes Agreda  
Thomas Jerry Boliew  
Ronald Lynn Clark  
Hector Joaquin Corella  
James Cleveland Holland  
A. J. Kennard  
James Albert King, Jr.  
Jose G. Lopez-Barreda  
Humberto Enrique Lopez-Sanchez  
Eugie A. Martin  
Jorge Andres Clemente Pino  
Fernando Xavier W. Pires  
Victor Plas  
Emilio Rebull Rivera  
Konchady Nagesh Shenoy  
William Dave Taylor  
Charles Burton Williams  
William David Willis  
Glenn Lamar Wise  
Gary H. Young

### 1962

Jeff W. Baird  
Fred Edward Causey  
Edward Leroy Glass  
Charles Reggie Guerin  
James Edward Horn  
Eugie A. Martin  
James M. McCormick  
John Preston Moore, Jr.  
Martha M. Mora  
James M. Shipp, Jr.

### 1963

Jose Francisco Agreda-Rodriguez  
James Leston Case  
Robert Guerra  
Billy Wayne MaGee  
Larry Thomas McCoy  
Jimmie Doyle Pottorff  
Ramachandra M. R. Rao  
Maria Aguilar Rodriguez  
Francisco Juan Rovira  
Leo Simon Sues, Jr.  
Albert Austin Wise

### 1964

David Gray Caddy  
Danilo P. Castillo  
Miles Edward Davidson  
Kenneth F. Federico  
James Thomas Kennison  
Herbert James Louque

James M. McCormick  
Gary Martin Montgomery  
John Louis Murray, Jr.  
Motiram Kisan Patil  
Pietro K. Piralla  
Denarakonda Hanumantha Rao  
Juan Ramon Santa-Coloma  
David Neal Sawyer  
Jerry Joseph Schultz III  
Robin Whitney Strickland  
Robert Glenn Tripp  
Jose Tito Villa  
Cedric Donald Warren  
Jerry William Watts  
Billy Jack Wilson

### 1965

Nolan Joseph Adams  
Curt Georges Beyer  
James Henry Brooks  
Malcolm Lafayette Dove  
Howard Morelock Elder, Jr.  
John Randolph Langley  
Mauricio A. Lopez  
James Stanley Nolen  
George Lemuel Potter, Jr.  
Madhigiri S. R. Ramesh  
Richard C. Robinson  
Nora Antonia Sanchez  
Warland Eugene Simmons  
Antonio Velidanes

### 1966

Gerardo Ten Brink  
Richard Freeman Buckley  
Michael Taylor Edgerton  
James Edward Horn  
Robert W. Lacour  
Ivan Lowry, Jr.  
David Wesley Miner  
Sims Louis Roy, Jr.  
Mario Moises Salinas  
Richard Joseph St Pierre

### 1967

Raul Cardenas  
James H. Doub  
Joseph Larry Edmonson  
Howard Morelock Elder, Jr.  
Ulan Richard Gardner  
Louis A. Gonzalez  
Ronald E. Jones  
John Randolph Langley  
Bernard Joseph Lofaso  
Mauricio A. Lopez  
Wilbert S.F. Mackay  
Terry A. Malone  
Hooshang S. Moghani  
Walter R. Young

### 1968

James A. Diamond III  
Michael Taylor Edgerton  
Jerry W. Fisher  
Ricardo J. Gomez  
Guy Jean-Pierre Harel  
Joseph J. Muller, Jr.  
Kenneth J. Parent  
George Ripley White III

### 1969

Antonio De Aguirre-Aurrecoch  
Richard James Gauthier  
Louis A. Gonzalez  
Simon Hacker  
David Ross Hendricks  
Virgil Dennis Joffrion  
John Randolph Langley  
Yu-Chin Liu  
Charles Wayne Morgan  
Ivan A. Navarro  
Floyd Lee Pfeffer  
Harold Grant Preble, Jr.  
Paul Francis Theriot

### 1970

Alvaro Campuzano  
Thomas Frederick Dominick  
Keith Anthony Folse  
George Lemuel Potter, Jr.  
Luis Ugueto  
Tom Gage Winterton

### 1971

Sain D. Anand  
Jose F. Azouth  
Karlakay Heimerdinge Barker  
Jama! Al-Din Barzinji  
Nathaniel Joseph Bordelon  
Leroy Joseph Cavaliere, Jr.  
Russell Joseph Crochet  
Thomas Frederick Dominick  
Jimmy Lee Donner  
Richard Edwin Norris  
Carl David Engel  
Thomas James Ford, Jr.  
Charles Goodson Guffey  
Simon Hacker  
Dan Lloyd McKibben  
Ronald Dean Miles  
Robert Andrew Mollenkamp  
Mehmet Ozbay Ozelsel  
Thomas Quirk  
Jerry Duaine Robertson, Jr.  
Glen Dale Savoy  
Lemuel George Seale III  
Vinodchandra Ratilal Shah  
Marlin Rufus Vernon, Jr.  
Michael William Voss  
Stephen Randolph Williamson

### 1972

Juan F. Ardila  
Mohamad Bagher Behbehani  
Thomas George Brown  
Juan Luis Bryce-Cotes  
Thomas James Callender III  
Robert John Camacho  
Bernad C. Chan  
Frank R. Cusimano  
Pak Shun Fong  
Ronald Jules Manuel  
Robert Wade Moore  
Jose Rafael Morao  
Marshall Budd Nelson  
Richard Wayne Nill  
Douglas M Selman  
Donald Louis St. Germain  
Sanford James Stinnett



## CHEMICAL ENGINEERING

James Louis Wall  
Mark Allan Williard  
Wing Yan Woo

### 1973

Michael John Chatelain  
Justin Dwight Edwards  
Olivier Damianus Habibe  
Simon Hacker  
Hsiao-Nan Huang  
Steven Wayne Johnston  
Mohammad Reza Karbassian  
David Edward LaRose  
Ronald Jules Manuel  
Richard Lee McGlamery  
Madhusudan Nathany  
Mehmet Ozbay Ozelsel  
Lokesh H. Parikh  
Anan Siripong  
Marlin Rufus Vernon, Jr.  
Roger Earl Waguespack

### 1974

Baifie Kwaku Achampong  
Jamal Al-Din Barzinji  
Mohamad Bagher Behbehani  
Miles Edward Davidson  
Frank Darral Durringer  
Ulan Richard Gardner  
Hafez Hafezzadeh  
Stephen Paul Mayeux  
Mostafa Mina  
Frederick Henry Pitts  
George Lemuel Potter, Jr.  
Najmeh Sadighi-Nouri  
Mario Moises Salinas  
Ralph Anthony Scott  
Solaiman Golam Sindy  
Robin Whitney Strickland  
Roger Larry Swanson  
Luis Ugueto  
Suresh Mansukhlal Vora  
James Louis Wall  
Ray Minard Watson  
Phillip Ray Westmoreland  
Wing Yan Woo

### 1975

Carlos Manuel Acevedo  
Rabie Ahdoot  
John Allen Alexander  
Juan Luis Bryce-Cotes  
Bradley Ray Govreau  
Jonathan David Landry  
Mohammad Ali Movahed  
Mohsen Neghabet  
Ahmad Sharonizade  
Paul Timothy Siegmund  
Wayne Anthony Turner  
David Eric von Rosenberg

### 1976

Jean Ellen Arquette  
Craig Gerard Brazan  
Harry H. Bryan, Jr.  
Tommie Ray Davis  
Steven Wayne Johnston  
Stephen William Krajicek  
Frederick Henry Pitts  
David Allen Ratcliff

Mehdi Rezvani  
Eugene Gilbert Roe, Jr.  
James Wands Turner  
McClellan Milton Walther

### 1977

Leslie Mark Gremillion  
John Carlton Hudson  
John Francis Nelson  
Gilbert Gene Phillips  
Monroe Jackson Rathborne IV  
Mehdi Rezvani  
Jay Stephen Robinson  
Douglas Edward Stafford  
Mary E. Vincent

### 1978

Michael George Bruce  
George Maurice Charron  
Melanie Dawn Frazier  
Mark Stephen Galland  
Robert Elmer Gardner III  
Larry Michael Hall  
Mary E. Harrington  
Steven Wayne Johnston  
Michael Steven McCown  
James Jude McKinnie  
William Howard Senyard II  
David Michael Simon  
Paul M. Tompkins  
Richard Lee Vail  
Chien Wang

### 1979

Manuel A. Arguello  
Charles Edward Barefield  
L. Bredow Bell  
Lawrence Moreau Birdsell  
Stephen D. Davis  
Nam Phuong Dinh  
Bongo C. Enem  
Ender J. Ferrer  
Daniel Eugene Fields  
Jerri Lynn Hanks  
Steven Paul Haynie  
Carolyn Ruth Koontz  
Chad Leblanc  
Jamaleddin Madjdpour  
James Walter Martin  
Mohsen Neghabet  
Glenn Russell Olson  
Jean Marie Pavlov  
Catherine J. Rea  
Patricia Susan Riddick  
Carl E. Sladek  
Deborah Wood Stewart  
Anh Tuan Tang  
Donald James Trahan  
Beth Maria Troxler

### 1980

Mary E. Ahner  
Mahmoud Madhat Alhashimi  
Stephen Reeve Brodt  
Carl Burnett  
Bob B Carter  
Yoon Keng Choo  
John Edmond Collins  
Sheila Kulkarni Deshpande

Villa D. Holland  
Bradley Keith Kruelski  
Mark John LaCour  
Bernie Joseph Lofaso, Jr.  
Pamela Ann Mitchell  
John Francis Nelson  
John William Pepper  
Elizabeth Renee Roberts  
Edward A. Thistlethwaite  
Freddie J. Tucker  
Keith VanWinkle  
Hector Vila, Jr.  
James Neal Waguespack  
Marsha Diane Wittner

### 1981

Robert Jeffers Ashby  
Linda Lovorn Bonin  
Kim Alison Boudreaux  
Linda Kay Cartwright  
Juan Francisco Cuellar  
Terry Christopher DeVillier  
Mark Lance Doiron  
Martha Lynne Donley  
Bongo C. Enem  
Elizabeth Howard Goode  
Larry Michael Hall  
Kenneth Mitchell Jones  
Vinh Trung Le  
Patrick Craig Lejeune  
Michael Walker Lewis  
Michael Steven McCown  
Andrew C. Mok  
Terry Delane Monroe  
Stephanie Lynn Naquin  
Laurence Rene Poche  
McClellan Milton Walther  
Chien Wang

### 1982

Jean Ellen Arquette  
Jean E. Carvajal  
Janet Elizabeth Cox  
Toufic Selman Dalal  
Carroll Kelley Gordon  
Ronald Lee Graham  
James Douglas Griffin  
Mohamad Kheir S. Habbal  
Thomas L. Hernandez  
Karen Elizabeth Korn  
Joseph Khalk Koro  
John William Lightsey  
James Jude McKin  
James Douglas Norris  
Brian Piekarski  
Jaime A. Pineda  
Robert Lee Raborn, Jr.  
John Mark Stafford  
Thomas Anthony Stroud  
Lloyd August Tabor, Jr.

### 1983

Jeffrey Glen Anding  
Eugene Louis Benoit  
William Lee Brown  
Cheryl Coates Buehring  
Kenneth Gregory Buehring  
Kevin Michael Duhe  
Lawrence Thomas Fauchoux

Lily Gunawan  
Kirkland Decelle Harper  
Leslie J. Harris  
Kenneth Mitchell Jones  
Frank Hugh Koger III  
Rodney Paul Marchand  
Pamela Ann Mitchell  
Sandra Banette Nelson  
Thaiduy Tu Nguyen  
Julie Ann Niermann  
Gregory Bernard Pickren  
Matthew Lee Schuette  
John Randolph Sturgeon  
Effendi Susanto  
Que Huong Thi  
Cynthia Denise Tiek  
Donald James Trahan  
Mark David Wakeling  
Ted Shepard White

### 1984

Edwin Chukwudi Akujobi  
Ronald Lynn Barksdale  
John Edward Campbell  
George Maurice Charron  
William Whitson Conway  
Juan Francisco Cuellar  
Rudyard Eric Davidson  
James Hampton Dowling  
Richard David Farrell  
Marjorie Frantz Ferguson  
Richard Neal Gowdy  
Sheng Yang Ju  
Christopher Alan Juneau  
Vinh Trung Le  
Evelyn Yunlin Lee  
Dwight Raymond Lemoine  
Bernie Joseph Lofaso, Jr.  
Mohsen Neghabet  
Robert Kevin Pace  
Amy Pella  
Kimberly Dawn Plaster  
Michael Anthony Sander  
Susan K. Snodgrass  
Robert Gerard Swanton  
Rammohan Varadarajan  
Ray Minard Watson

### 1985

Eugene Louis Benoit  
Robert Earl Bowles, Jr.  
Mark Leonard Buckcon  
Thomas Joseph Burns  
Lynette Marie Caronia  
Tuan Quoc Chuong  
James Kenneth Clark  
Karen Craft-Kofai  
Randall Wayne Craighead  
Terry Christopher DeVillier  
Jessica Lee Dgherman  
Travis Ray Dickinson, Jr.  
Brian John Drago  
Mark David Gadigian  
Mohamad Kheir S Habbal  
Sharon Beard Hill  
James Edmund Hull, Jr.

## LOUISIANA STATE UNIVERSITY

Karen Elizabeth Korn  
Charles Rush Malone  
Anne K. Martin  
Ragini Patel  
Terri Ann Patton  
Brian Piekarski  
Randall David Seale  
Eric Lawrence Singer  
Mayann Troth  
Susanne Carol Tully  
Ray Minard Watson  
Scott Leslie Williams  
Christopher P. Witte  
Terry Eugene Wright  
Kigham Scropp Yeretzian

### 1986

Mohammed Nouredine  
Amrouni  
Jeffrey Glen Anding  
Andreas Phoebus  
Constantinides  
Marjorie Frantz Ferguson  
Richard Neal Gowdy  
Dinora Margarita Harrouch  
Alvaro Jarquin  
Hung Duy Nguyen  
Rammohan Varadarajan

### 1987

Eugene Louis Benoit  
Sheng Yang Ju  
Debra Kwiatkowski

### 1988

Chauchyun Chang  
Yangtzu Chao  
Nitin Prabhakar Chitgopekar  
David E. Cockrill  
Maria M Dumas  
Dwight Raymond Lemoine  
Robert J. Osterhold  
Ileana Perez  
Matthew Lee Schuette  
Shou Lan Yang

### 1989

Michael R. Achacoso  
Troy Elliot DeSoto  
David Dean Friday  
Yeou Fu Hwang  
Andrew Constantin Koulermos  
Michael W. Landry  
David Edward LaRose  
John David Robinson  
Arpaden Silaban  
Nicholas P. Vassiliou

### 1990

Stephen Blake Ledoux

### 1991

Michelle Atkinson  
Barry Keith Bruce  
James David Fagan  
Sriram Gangadharan  
Ajay Gupta  
Wai Shan Lee  
Yu Wen Lo

Yeung Ho Park  
Philip N. Roberts  
Michael Anthony Sander

### 1992

Pankaj Agarwal  
Michael Paul Bilello  
Scott Joseph Daigle  
Mark Lance Doiron  
Roland J Doucet Jr  
Clayton Randall Ellis  
Jeffrey Vincent Lang  
Reginald B. Little  
Jorge Rolando Paiz  
Hongmei Ren  
Chun Han  
Xuxian Niu

### 1993

Yumi Akiyama  
Wendy Marie Arceneaux  
Lufti A. Bafagih  
Allen W. Bihm  
Yongping Chen  
Marc J. Chitty  
Jennifer Anne Cole  
Mandar M. Dikshit  
Moh Fahrurrozi  
Rajiv L. Gehani  
Steven Paul Grissom  
Betty Yeefei Huang  
Toni Weavil Hunter  
Manjunath Mahishi  
Danielle P Mancuso  
Victor A. McCoy  
Martin C. Poole  
Arpaden Silaban  
Michelle Theresa Talbot  
Sachit Verma  
James Vidrine, Jr.  
Elisabeth Jennifer Wandel

### 1994

Teri H. Achacoso  
Andrew W. Cain  
Rocky Wen Chen  
Ming Sheng Chia  
Sarah Beth Couvillon  
Joseph Liverty Hamlin  
Jianxin Hu  
Vivek Kapur  
Brian Heath Langford  
Tammy Ruth Mosley  
Ramon Richmond Rionda  
Vivek E. Shende  
Subramanyam Vdaygiri  
Priscilla Toujan West  
Christopher Wayne Wroten

### 1995

Jamal N. Al-Saedi  
Dany Joseph Boucher  
Suellen Gay Caire  
Ross M Cormier  
Linette Dalys Dutari  
Rajesh Girdhar  
Chun Han  
Clarence Jude Hattier  
Eric D. Hollis

John F. Ledoux  
Gary Bernard Lewis  
William E. Mixon  
Max Paul Morvant  
Xuxian Niu  
Thanhthao Thi Phan  
Douglas Allan Roberts  
Jeannette Santos-Cordero  
Won Sik Shin  
Scott Lloyd Simmons  
Flavio E. Tinoco  
Quy T. Ton  
Sek Cheng Wong  
Franciscus X. Prawiro

### 1996

Chad J. Bourgeois  
Kevin D. Burkes  
Audrey M. Buth  
Christopher L. Champagne  
Deependra Charan  
Cecilia N. Collins  
John S. Gordon  
Kai Z. Jiang  
Shane M. Johnson  
Yew K. Loo  
Johnathan E. Miller  
Quoc P. Phan  
Trent J. Schexnauldre  
Amritpal S. Sidhu  
Chin S. Teo  
Amy MacEwen Therrien  
Alma C. Thomas  
Nicholas P. Vassiliou  
Yihua Xiong

### 1997

Brandon W. Bello  
Moh Fahrurrozi  
Laurel A. George  
William C. Guidry  
Wendy Harris  
George F. Holder  
Peter Minsong Kim  
Michael J. Kurtz  
Christopher D Martin  
Monica Ramirez  
James P. Roach  
Todd Allen Schneider  
Antwane Lamar Shephard  
Scott Eric Thomas  
Luyen T. Vo  
Stefan A. Vost  
Brian Watts  
Tiyun Xu

### 1998

Diane Braselman  
Jennifer J. Brumfield  
Gerald Jeremaine Jefferson  
Kah L. Loo  
Richard Brian McLain  
Cheng Pan  
Runhong Qi  
Amit Sharma  
Robiniqwe Turner

### 1999

Tegan M. Blades  
Jonathan S. Howell  
Darlene W. Lambert  
Robert J. Osterhold  
Franciscus X. Prawiro  
Steve Reynolds  
Heather Schilling  
Shin Wong  
Sook-Wai Yei

### 2000

Ching-Soon Lim  
Ian Quinn  
Scott Strikmiller  
Han-Kuang Tan

### 2001

Prashant Mhaskar  
Anirban Mukherjee  
Lakshmikanth Namburi

### 2002

Jason P. Cox  
Gregory W. Schneider  
Kriangsak Vallopchotipong

### 2003

Amrit Panda

### In Memoriam

We were saddened to learn of the passing of the following alumni. We extend our belated condolences to their families and friends.



George Eric Carlson (B.S. 1947)  
John H. Doherty (B.S. 1939)  
William Dalrymple "Dal" Fauver (B.S. 1947)  
Juan Ignacio Gabilondo (B.S. 1950)  
Howard Huckins (B.S. 1944, M.S. 1948)  
Donald C. Pitts (B.S. 1944)  
James B. Starks (B.S. 1955)

### Second Annual ChE Alumni Reunion

The Second Annual Chemical Engineering Reunion for alumni and their families is scheduled for Saturday, September 6, 2003 from 11:00 am until 2 pm—this will be during an LSU away game in Arizona. We realize that a lot of people were hoping for the reunion to coincide with a LSU home game. However, after careful consideration, we feel that it would be best to schedule it during an away game. We plan to have the building open to the public as we did last year. Therefore, security and admission would be difficult to maintain due to the large number of spectators that attend LSU home games as well as the building's proximity to the stadium. As was done last year, we will conduct tours to showcase recent improvements to our labs. This year we will also highlight many of the ongoing research projects conducted within the department. You'll enjoy jambalaya while visiting with former classmates, their families, faculty, and other alums of the department. If you would like to attend, you may R.S.V.P. online at [www.che.lsu.edu](http://www.che.lsu.edu) through September 4, 2003. We do hope you can join us!



**LOUISIANA STATE UNIVERSITY**

*Gordon A. & Mary Cain Department of  
Chemical Engineering  
Baton Rouge, LA 70803-7303*

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