HALL OF DISTINCTION INDUCTEES
MARK AND CAROLYN CAMPBELL GUIDRY and WILLIAM H. STONE
Story on page 4

At left: Mark R. Guidry, Carolyn Campbell Guidry, Dean Pius Egbelu, and William H. Stone.

RESEARCHERS AT LLWRI ARE STUDYING LOUISIANA'S COASTLINE TO DETERMINE HOW TO PREVENT THE POTENTIAL DEVASTATION OF A NEW ORLEANS HURRICANE.
Story on page 22.

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BELOVED BENEFACCTOR DIES
Story on page 18.
The COLLEGE OF ENGINEERING has made major strides in several key areas in the past year. As the dean, these accomplishments have been very fulfilling and rewarding. This is a period of unprecedented opportunities in the college in many ways. We are leveraging on the talents in the college to pursue joint partnerships with other colleges at the University, other universities and LSU campuses within the state, and institutions around the country. For example, College of Engineering faculty members are partnering with faculty from LSU Medical Center and Tulane Medical Center in New Orleans to pursue innovative research in bioengineering. College of Engineering faculty members are in partnership with people at the University of New Orleans and Southern University in Baton Rouge in clean energy research, an area critical to the Louisiana economy. Within the University, our faculty are also in partnership with faculty members in the College of Basic Sciences and the College of Arts and Science in developing nanostructures for medical implants. Through these partnerships, we are breaking the virtual walls that have kept the units as silos in the past. By leveraging on our strengths, we are repositioning the University and the state for the educational and industrial requirements of the future.

As always, our alumni and friends continue to support the college in a very healthy way. The college benefitted in gifts totaling over seven million dollars in fiscal year 2002 to support several programs. For example, a gift of $2.5 million from the late Gordon Cain will be used to establish a center for writing and communication for science and engineering students. The center is a collaborative venture between the Colleges of Engineering, Basic Sciences, and Agriculture. This gift provides us with additional funds to intensify our efforts in providing additional writing and communication opportunities for our students. Writing and communication are two areas that employers have emphasized as being highly critical to a successful career in engineering. For the many friends and alumni who remembered us in the past fiscal year in gifts and other forms of direct support, I would like to sincerely thank you for your generosity. Without your support, we would not be able to develop some programs, which we consider vital for a 21st century engineering education. Your support made a big impact on both students and faculty. To those who are yet to give, I invite you to join us in the partnership to make engineering education at LSU the best it can be. The right time to help is now.

As I noted above, Gordon Cain has been a major donor to the college and has been credited for over $25 million in donations to the University. Unfortunately, it is with a heavy heart that I report to you that Mr. Cain passed away in October. The College of Engineering and the University lost a major friend and a partner. Our hearts are with the Cain family at this difficult time. We wish them guidance to cope with the loss. We must join hands to keep Mr. Cain’s vision for the College of Engineering alive.

The College of Engineering is experiencing steady and healthy growth in research. The nearly $16 million in new research awards in the past fiscal year represents a double digit increase in the funding level over the preceding year. Major research thrusts are underway in information technology, bioengineering, environment, nano materials and structures, and energy, to mention a few. The college now has one of the leading faculty groups in hurricane and wind engineering research in the country. While we make inroads in emerging areas, we continue to strengthen and build on our core areas of petroleum and petrochemical. In the past academic year, College of Engineering faculty members made several appearances as experts at state and national levels to speak on key issues in engineering that affect peoples’ lives. They spoke and testified before Congressional committees, corporate boards, and municipal councils as experts on a range of topics that include transportation, national security, hurricanes, hazardous substances, energy, and the environment. Our continued success in recent years in recruiting well-known faculty members in various disciplines can only further enhance the national standing of the college in the years to come.

The successes we experienced in recent years have not come without challenges or growing pains. The growth in our undergraduate enrollment is stretching our capacity to meet laboratory and classroom demands. Some of our buildings require major renovations to provide additional space for classrooms and laboratories. In particular, there is great urgency for space renovation for the Electrical and Computer Engineering Department Building and the Old Plant Stores Building, which will benefit nearly all departments in the college. To get these renovations projects moving, we will need to raise private funds from alumni and friends, both individuals and corporations. To wait for state funding for these projects would mean several years of delay that would often span beyond a decade. If we have to wait this long, the opportunities as they now exist would be gone by the time the buildings are renovated. In research and education, timing is everything. To be ready tomorrow, we have to prepare today. For the LSU College of Engineering, the time is now. Please, we need your support for these projects. Giving to the College at this time is an investment you will be happy you made. Again, these are times of unparalleled opportunities in engineering: the College of Engineering is already a part of this historical moment. Join us in making this time truly remarkable for the college and for LSU, now and in the future.

Pius J. Egbelu
Dean of Engineering and
Bert S. Turner Distinguished Professor
The College of Engineering has experienced, for the second year in a row, a recent increase in outside funding for research and sponsored activities in the fiscal year 2001-2002. This year's total of $15,592,732 represents a 12.7% increase over last year's amount of $13,825,577 in sponsored awards received. The upswing is attributed to our faculty's hard work and dedication. Excited about the increase, Associate Dean Mehmet Tunay announced, "We are hopeful to break the $17 million goal next year." The chart below indicates how engineering compares to other major research units at LSU.

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Lisa Bergens is now a Licensed Professional Counselor in the state of Louisiana.

Martha Denova retired February 22, after working as an accountant for Engineering Services since 1995. She has worked with the state of Louisiana for 25 years at the Agricultural Center and the Agronomy and Athletic Departments.

Mehmet Tunay served as the National Science Foundation (NSF) principal investigator/project director for an international research collaboration workshop sponsored by the NSF and held during the 15th International Conference on Soil Mechanics and Geotechnical Engineering in Istanbul, Turkey, in August 2001. The workshop's mission was to identify researchers and institutions with Geo-Engineering interests in order to develop international collaboration and secure future NSF funding opportunities. More than 50 participants came from various countries, including Turkey, France, and Malaysia, to attend the conference.
M. Mark served as student council representative for the college during their senior year. They met, fell in love and were married one week after graduation. They moved to Seattle, where they both worked for Boeing. M. Mark took a leave of absence to pursue his master's degree from the University of Washington, and Carolyn had their first child. Upon earning his master's degree in electrical engineering in 1961, M. Mark joined the faculty at LSU in the electrical engineering department and Carolyn chose to put her engineering career on hold to have their second son and to raise their children. M. Mark enjoyed teaching, and they moved to Iowa, where he earned his Ph.D. from Iowa State University in 1965, and Carolyn gave birth to their daughter. They then returned to Baton Rouge and to the LSU faculty. M. Mark conducted research in semiconductor technology, laser technology and radio wave propagation, as well as taught classes, served on committees and authored numerous...
publications. He also served as chapter advisor and on the house corporation of Acacia Fraternity. In 1969, Mark joined Texas Instruments in Houston, where he developed manufacturing technology for three metal gate MOS diodes. In 1974, he developed a self-aligned gate process, earning several patents for his work. In 1971, he joined a small company in San Diego, and managed circuit design and manufacturing for a single chip MOS calculator. In 1973, he joined Fairchild Semiconductor in Palo Alto, California, as the department head for the CCD Memory D department in the R&D Division. He later served as the engineering manager for the MOS D Division and served an interim period as production manager for the MOS D Division. Additionally, he worked with joint venture foreign manufacturers in the exchange and development of technology. During this time, Carolyn was raising their children, managing the home and finances and volunteering in the schools. When the children were in high school, she attended San Jose State University and received her master’s degree in computer engineering in 1979. Upon graduation, she joined Hewlett-Packard Co. in their computer division. A member of the design team for several of HP’s new computers, she was directly responsible for the development of a new flexible interconnect ribbon cable and the micro code for a new computer system. She also assisted in market analysis and product planning for a new family of high performance computer systems. Mark and Carolyn founded two companies: Simon Software, devoted to semiconductor design software, and Avasem Corporation, a semiconductor product development company. Simon Software was merged with another private software company. This company became a public company three years later and today is the leader in its field. Avasem was founded in 1980, developed the first single chip timing generators among its many products, and in 1983, was merged with Integrated Circuit Systems. This combined company today is the leader in the field of electronic timing generators, has annual sales exceeding $180 million and a valuation exceeding $1.7 billion. Aside from the financial success of these two companies, they employ over 5,900 people. In 1988, Carolyn retired from HP to pursue her interests in children’s education. She was a full-time volunteer for the Children’s Discovery Museum in San Jose, California, developing computer systems and software for the museum and assisting in development of concepts and funding. In 1993, she founded the Mark and Carolyn Guidry Foundation, devoted to funding education and the arts. She is the president and currently manages all aspects of the foundation. Mark and Carolyn have three married children and six grandchildren, all residing in California. All three children graduated with degrees in engineering or computer science. In 1994, Mark retired and spent four years sailing in Mexico and the Caribbean. He served as a trustee of the Acacia Fraternity Foundation. He currently serves as chairman of the board of Mozzarella Fresca Corporation, which specializes in fresh Italian cheese and as secretary of the Guidry Foundation. They reside in Bainbridge Island, Washington, spending much of their time with their family, on their California ranch and on their boat in the Caribbean.

William H. Stone

William H. Stone, cofounder and president of M ain Energy, Inc., received his bachelor’s degree from LSU in petroleum engineering in 1986. Stone was born in Saint Johnsbury, Vermont, raised in Ocala, Florida, and currently resides in Houston, Texas. Upon graduation from LSU, Stone was employed with Union Oil Company of California. He was held various drilling and production positions from 1966-1981. In 1981, he became general manager of Oilfield Consultants International in London, England. Two years later, he founded Star Oilfield Services, Inc., an international oilfield consulting company in London, which provided technical drilling expertise and personnel to operating oil companies. In 1987, Stone and his partner, Don Hacker, who is also an LSU petroleum engineering graduate, founded Main Energy, Inc., an oil and gas property acquisition company in Houston, Texas. They quickly led the company to become a profitable enterprise using funds from managing properties for overhead and using innovative deal-making to acquire assets. By tending to all aspects of the business, Stone and Hacker drove the company’s growth in value. The company has had production in 13 states and has operated more than 500 wells. Stone is a member of the Society of Professional Engineers, for which he was a distinguished lecturer on deep water subsea completions in 1978-1979. In 1980, he taught cementing and caisining design in an Advanced Drilling course in petroleum engineering at the University of Texas. He has been a member of the C & Hawkins Department of Petroleum Engineering Industry Advisory Committee since 1993, and previously served as chairman. In 1994, Stone cofounded the Houston LSU Petro-Tigers, an organization for LSU petroleum engineering alumni living in the Houston area, and he has served as president since the organization’s inception. He was appointed Honorary Colonel by former Louisiana Governor David Treen and has also served as a four-time delegate to the Texas Republican State Convention. Stone is married to the former Connie Martin, and they have two sons: Scott and Kevin.
DEANS PLAN EXPANSION OF LITERACY CENTER

Pius J. Egbele, dean of the College of Engineering, and Barbara S. Furchmann, dean of the College of Education, have teamed together to enhance the teachings of engineering, math, and science at LSU. Egbele and Furchmann participated in a Darden Summit on Technological Literacy in October 2001 in Baltimore, Maryland to learn about collaborating to enhance science, math, engineering, and technology literacy in K-12 education in Louisiana. Their three main goals are to teach faculty the latest instruction methods to work with K-12 schools for effective teaching of math and science, and to expand the LSU Center for Scientific and Mathematical Literacy. The center, located in Peabody Hall, began with the Colleges of Arts and Sciences, Basic Sciences, and Education. Since the center’s establishment, the College of Engineering has become a supporter. A name change reflecting the addition of engineering and technology is being considered.

“The center’s expansion is a partnership between the College of Education and the College of Engineering. The College of Education will prepare the engineering faculty with better methods of teaching students, and the College of Engineering will help teachers to incorporate engineering into their work. Both sides will benefit,” says Dean Egbele.

BOURGOYNE HONORED AT UNIVERSITY OF TEXAS

Adam T. Bourgoyn, Jr., former dean of the College of Engineering, has been named 2001 Distinguished Engineering Graduate at the University of Texas at Austin. Bourgoyn was recognized on December 8, 2001, during commencement. The five Distinguished Engineering Graduate honorees were selected based on their outstanding professional records, public service, support of education and other significant achievements. Bourgoyn received his Ph.D. in petroleum engineering from the University of Texas in 1969, became part of the petroleum engineering faculty in 1971 and served as dean of the College of Engineering at LSU from 1997-1999.

ALUMNI ENCOURAGED TO REGISTER WITH CAREER SERVICES

Career Services at LSU provides a way for employers and students to post and explore job opportunities. Employers can use the site to post job openings, set up interviews with students and receive résumés of students who meet specified job qualifications. Students can explore career options, receive career counseling, post their résumés and schedule on-campus interviews with employers. The center also provides the LSU Tiger Network, a system created for LSU alumni to mentor students interested in a particular field. Anyone seeking new employment can register online with LSU Career Services by visiting www.lsu.edu/career.

C E E T W I N S G R A D U A T E

Kristin Beth and Lauren Mary Thibodeaux, twins, were recognized at the spring 2002 commencement ceremony. The Louisiana natives, Kristin and Lauren, graduated magna cum laude and cum laude, respectively. They completed their bachelor’s degrees in civil engineering.

CORRECTIONS/OMISSIONS

The College of Engineering apologizes for incorrectly reporting the following in our Fall 2001 issue:

Eunogene Pliner was incorrectly listed as the spouse of Leon Pliner. Ms. Pliner is the sister of the late Leon Pliner.

In our listing of contributors to the College of Engineering, we incorrectly reported Dr. Lawrence Mann as Lawrence Alcos Mann.
**Honor Grads Recognized at Commencement Ceremonies**

The University issues degrees summa cum laude, magna cum laude and cum laude based on students' grade-point averages. Summa cum laude degrees are awarded to students whose grade-point averages are between 3.90 and 4.00. Magna cum laude degrees are awarded to students whose grade-point averages are within 3.80 and 3.89. In order for a degree to be awarded cum laude, the grade-point average must be between 3.70 and 3.79. A student graduating with an overall 4.00 average is granted LSU's highest award, the University Medal.

The following engineering students have received recognition for earning top honors at commencement:

### Fall 2001

<table>
<thead>
<tr>
<th>Magna Cum Laude</th>
<th>Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seth J. Prejean</td>
<td>EE</td>
</tr>
<tr>
<td>Johnathan E. Fourrier</td>
<td>EEE</td>
</tr>
<tr>
<td>Sarah M. Jones</td>
<td>BE</td>
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<tr>
<td>Neema Pourmohamadian</td>
<td>ECE</td>
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<tr>
<td>Kathryn B. Rhea</td>
<td>CE</td>
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<tr>
<td>Barry M. Rogge</td>
<td>CH</td>
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<tr>
<td>Herbert J. Roussel IV</td>
<td>EE</td>
</tr>
<tr>
<td>Ericka Lydia Ruiz</td>
<td>EE</td>
</tr>
<tr>
<td>Ryan J. Scheinajder</td>
<td>CH</td>
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<tr>
<td>Kristin B. Thibodeaux</td>
<td>CE</td>
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<tr>
<td>Patrick A. Veillon</td>
<td>CH</td>
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<table>
<thead>
<tr>
<th>Cum Laude</th>
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<tbody>
<tr>
<td>Frank A. Yacone, Jr.</td>
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<tr>
<td>Xuefeng Zhuang</td>
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### Summer 2002

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<th>Magna Cum Laude</th>
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<tr>
<td>Anikush Agarwal</td>
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<tr>
<td>James Alan Hamilton</td>
<td>EE</td>
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<td>Juan Esteban Nasser</td>
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<tr>
<th>Cum Laude</th>
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<tr>
<td>Abdulaziz A. Al-Ajaji</td>
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<td>Gaddano A. Aloisio</td>
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<td>Lance M. Black</td>
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<tr>
<td>Marc P. Bourgeois</td>
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<tr>
<td>Hang-Ping Chen</td>
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<tr>
<td>Greg M. Dettmann</td>
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<tr>
<td>Christopher J. Fogarty</td>
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<td>Lindsey D. Ledet</td>
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<td>Jacob E. Lemoine</td>
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<tr>
<td>Neil M. Patel</td>
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<tr>
<td>Michelle A. Pivach</td>
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<tr>
<td>Margaret S. Reeves</td>
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<tr>
<td>Lauren M. Thibodeaux</td>
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### Spring 2002

<table>
<thead>
<tr>
<th>Summa Cum Laude</th>
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<tbody>
<tr>
<td>Karey D. Batidas</td>
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<tr>
<td>Jason Q. Bond</td>
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<tr>
<td>James T. Caldwell</td>
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<tr>
<td>Brian A. Craig</td>
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<td>Adam Z. Cygan</td>
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<td>Mark A. Danos</td>
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<td>Bilal Ghous</td>
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<tr>
<td>Benjamin L. Hodnett</td>
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<td>Jing Jiang</td>
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<tr>
<td>Lindsey C. Liles</td>
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<tr>
<td>Emilie M. archive III</td>
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<tr>
<td>Brent T. Martin</td>
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<tr>
<td>Ilke M. Olloaglu</td>
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<tr>
<td>Joel R. Ochman, Jr.</td>
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<tr>
<td>Wesley J. Palimano</td>
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<tr>
<td>Thomas C. Royder IV</td>
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</tbody>
</table>

### Curriculum

**Legend**

- BAEC: Biological and Agricultural Engineering
- BE: Biological Engineering
- CEE: Civil and Environmental Engineering
- CE: Civil Engineering
- EVEG: Environmental Engineering
- CHE: Chemical Engineering
- CM: Construction Management
- ECE: Electrical and Computer Engineering
- EE: Electrical Engineering
- EEC: Electrical Engineering
- IMSE: Industrial and Manufacturing Systems Engineering
- IE: Industrial Engineering
- ME: Mechanical Engineering
- PETE: Petroleum Engineering
G R A D U A T E S A W A R D E D M C L A U G H L I N M E D A L

The McLaughlin Medal is awarded during graduation ceremonies to honor the engineering graduate with the highest grade-point average. It was established by the College of Engineering Dean’s Advisory Council to honor Dean Emeritus Edward McLaughlin, who served the college for 28 years as a professor, researcher, chemical engineering department chairman, and finally as dean of the college.

The following are the recipients of the medal:

**FALL 2001**

Seth Prejean (EEC) of Lafayette, plans to work for Advanced Micro Devices in Austin, Texas.

**SPRING 2002**

- James Caldwell (EE) of Baton Rouge, is a Second Lieutenant in the U.S. Air Force and is considering pursuing a master’s degree in electrical engineering at the Air Force Institute of Technology in Ohio.
- Brian Craig (EEC) of Lafayette, is the founder of Velocity Squared, a company he started through LSU’s Louisiana Business and Technology Center. He plans to remain self-employed.
- Adam Cygan (ME) of Baton Rouge, plans to attend Georgia Tech to pursue a master’s degree in mechanical engineering.
- Bilal Ghosn (EE) of Baton Rouge, plans to attend Georgia Tech for a master’s degree in biomedical engineering.
- Jing Jiang (EEC) from Shanghai, China, plans to attend Stanford to receive a Ph.D. in electrical engineering.
- Thomas Royster (EE) of Thibodaux, plans to attend Clemson University to pursue a master’s degree in electrical engineering.
- Xiaofeng Zhuang (EEC) from Changshu Jiangsu Province, China, plans to attend Stanford to pursue a Ph.D. in electrical engineering.

**SUMMER 2002**

- Ankush Agarwal (EEC) from New Delhi, India, plans to continue his education at LSU to receive a master’s degree in computer engineering.

G R A D U A T E S R E C E I V E M I L I T A R Y C O M M I S S I O N S

Matthew Belle (ME) of Baton Rouge, was commissioned as an undergraduate pilot trainee and will attend undergraduate pilot training at Randolph Air Force Base in San Antonio, Texas.

Gregory Blanchard (CHE) received a commission in the Army and will be assigned to Armor in the Louisiana Army National Guard in Shreveport. Blanchard was a two-year Army ROTC Scholarship Cadet.

James Caldwell (EEC) of Baton Rouge, received his commission in the Air Force and was selected to attend the Air Force Institute of Technology graduate degree program to earn his master’s in developmental engineering at Wright Patterson Air Force Base in Ohio.

Andrew Cavallero (ME) of Houston, Texas, was commissioned as an undergraduate pilot trainee and will attend undergraduate pilot training at Randolph Air Force Base in San Antonio, Texas.

William Lord, Jr. (EE) of Ponchatoula, received his commission in the U.S. Marine Corps. He will attend Basic School in Washington, D.C. before attending Flight School in Pensacola, Florida.

André Monnot (CEE) of Mandeville, was commissioned as an undergraduate pilot trainee in the EURO-NATO Joint Jet Pilot program and will attend pilot training at Sheppard Air Force Base in Wichita Falls, Texas.
LES AWARDS SCHOLARSHIPS

Glenn Schexnayder, Dean Egbelu and Cory Parrot

Glenn Joseph Schexnayder, civil and environmental engineering student from Donaldsville, and Cory Neil Parrot, petroleum engineering student from Baton Rouge, were selected as the recipients of the fall 2002 Louisiana Engineering Society scholarship.

2002 COLLEGE OF ENGINEERING ADVISORY COUNCIL

The college is grateful to the following distinguished members of the Dean’s Advisory Council. Most have been members for several years, attending annual meetings at their own expense to provide valuable advice and guidance.

ALDEN ANDRE
Vice President/New Business Development
Ferrume Plastics Corp., USA

ARA ARMAN
Senior Vice President
Gulf Engineering and Consultants, Inc.

ASH ATOUB
Engineering Manager
Don Chemical

GLENN A. BEICHEL
Regional Chief Industrial Engineer
Cytex Industries

JAMES A. BREJEUX
President & General Manager
Bonner Southern (Retired)

WILLIAM “BILLY” CALLEGARI
President
Aquasource, Inc., Southern Division

CHARLES V. CUSIMANO
Director and Chief Operating Officer
Equitable Provision Company (Retired)

WILLIAM R. DANIEL IV
State of Louisiana
House of Representatives

ART EIVRE
President
Performance Contractors, Inc.

ANNE FORTE TRAPPEY
President and CEO
Forte & Tablada

JACOB GIARDINA
President & CEO
Genesys Industries, Inc. (Retired)

HENRY GRAHAM, JR.
Lousiana Chemical Association

LANE GRIBBEN
Chairman of the Board
Capex Contractors, Inc.

GREG GUIDRY
Shell Desapore Production, Inc.

OTIS HALL
Vice President & General Manager
RASF Corporation

WILLIAM HIGGINS
President & Chief Operating Officer
Narbis

DON JONES
Don Chemical

RICHARD J. JUNEAU
President
International Manufacures Rep., Inc.

J. RUSSELL LAIRD, JR.
Senior Vice President
Carter & Partners, Inc.

HENRY J. LANDRY
President & General Manager
Saunders Equipment Company

DON MCCOLLISTER
CEO
Tener Industries, Ltd.

C.L. MCWORRIS
Manager
ExxonMobil Chemical Company

KENNETH ODINET
State of Louisiana
House of Representatives

RONALD J. RODE, PE.
CSR

EDWARD A. SCHMITT
President & CEO
Georgia Gulf Corporation

PATRICK TAYLOR
CEO
Taylor Energy Company

GERALD THEUNISSEN
State of Louisiana
Senator

NEWTON R. THOMAS
President & Chairman
The Newton Group, Inc.

GARY W. WOLLEY
President
Wolley & Associates, Inc.

EARL WOOTEN
Plant Manager
Occidental Chemical

GRADUATE STUDENTS RECEIVE SPECIAL RECOGNITION

The College of Engineering Exemplary Dissertation Award was awarded to Abdeldqader M. Zamamiri (CHE) and Daniel U. Campos-Delgado (ECE). Zamamiri worked with Martin Hjortso, George H. Nusloch II and Endowed Professor in chemical engineering, and received recognition for his dissertation entitled “Analysis and Mathematical Modeling of Autonomously Oscillating Yeast Cultures.” Campos-Delgado worked with Kemin Zhou, Oskar R. Menton and Endowed Professor in electrical engineering, and was recognized for his dissertation entitled “Active Control of Thermo-acoustical Instabilities.” Recipients of these awards were selected by the College of Engineering Graduate Coordinator’s Council.
MINORITY ENGINEERING PROGRAM

FROM THE COORDINATOR

Cheryle Peters

THIS HAS BEEN an exciting year for the Minority Engineering Program (MEP). We are experiencing more student involvement and growth each year. The Minority Engineering Program accepted the ominous responsibility of implementing our existing MEP programs for use by all science, math and technology majors through the Louisiana Alliance for Minority Participation (LAM P) Program. We have added an additional full-time staff member, Sheila Gallo, a graduate of Southeastern Louisiana University to serve as grants coordinator. We also hired a Recruitment of High Ability Minority Students (REHAMS)/precollege coordinator, Kandiest Brock, who will assist us with REHAMS and the other precollege programs. Each month during 2001 and 2002, we held workshops and seminars to help the students become successful in all aspect of their lives. Workshop topics included Graduate School Preparation, Powerful Presentation, Résumé Writing and Interviewing, and Stress Management for Midterms and Finals, just to name a few. We also added discipline specific tutoring and peer study groups for engineering sophomore level classes. Several new supplemental instruction courses were also added to assist all student’s outside classroom time. The National Society of Black Engineers Jr. (NSBE Jr.), the precollege program, experienced an increase in membership this past year to 30 students from across the Baton Rouge metro area. Precollege conference attendance increased from zero in 2000 to seven in 2001 to 17 in 2002. As we look to the future, we are preparing today’s students for tomorrow’s challenges in a technical world.

Cheryle Peters
Coordinator

RECRUITMENT EFFORTS

The Minority Engineering Program Envoys is a student organization that was formed two years ago as a mechanism to involve undergraduate students in the recruitment process. Stephanie Weaver served as the president for 2001-2002 year. In addition to activities sponsored by the Office of Admissions, the MEP Envoys added several new and inventive recruitment activities. During the fall, for the second consecutive year, the Envoys traveled to New Orleans to meet area high school seniors to discuss advantages offered by the LSU College of Engineering. Envoys prepared presentations and discussed all aspects of college life from admissions to meal plans, from instructors to Greek involvement. The Envoys also visited several Baton Rouge area schools to recruit members for the precollege programs and fall admissions. The schools visited included University High, McKinley High, Capital High, Scotlandville High and Park Forest Middle.

We also added two new activities for the 2001-2002 academic year. Shadow Day was held on February 22. Students from East Baton Rouge Parish high schools were able to see what it is like to be a college student. They attended classes with the Envoys, ate lunch and attended a seminar about admissions. The students were also invited to attend the Engineering Olympics. This was a day for all engineering students to apply their engineering skills to physical tasks.
LOUISIANA’S ALLIANCE FOR MINORITY PARTICIPATION (LAMP) IS DESIGNED TO INCREASE THE NUMBER OF UNDERREPRESENTED STUDENTS WHO GRADUATE WITH BACHELOR’S DEGREES IN THE SCIENCES, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) CURRICULUMS. THERE ARE 11 PARTICIPATING LS-LAMP INSTITUTIONS AND ONE RESEARCH SITE. THEY ARE Dillard University, Grambling State University, Louisiana State University, McNeese State University, Nicholls State University, Southern University at New Orleans, Southern University at Shreveport, Tulane University, University of New Orleans, University of Louisiana—Lafayette, and Louisiana Universities Marine Consortium. LS-LAMP P’s undergraduate enhancement activities include financial support, rigorous mentoring, recruitment, and guidance to graduate school. LSU has almost 800 students majoring in the STEM curriculums. For the LSU campus, Su-Seng Pang is the principal investigator and Cheryle Peters and Frank Carlsdine serve as the coprincipal investigators. They have carried out many of the programs that M.E.P. already had in place and expanded them to include all LSU STEM students. Workshops and seminars geared toward STEM majors are held monthly. Field trips, travel grants for conferences, faculty and peer mentoring, book awards, scholarships, tutoring, and fellowships are just a few of the services made possible with LSU’s LAMP funding.

M.E.P. SCHOLARS REALIZE IMPORTANCE OF RESEARCH

The Minority Engineering Program (M.E.P.) is proud to be a coprincipal investigator for the National Science Foundation grants and has encouraged scholarly research over the past two years. The M.E.P. undergraduate Research Experience (MURE) program pairs LSU students and Southern University students together to conduct research between the two campuses. Louisiana Alliance for M.E.P. Participation (LAMP) allowed twelve students to perform research on a full-time basis during summer 2001. The Undergraduate Research Experience in Composites Mатериалов for Petrochemical and Offshore Application grant pairs eight students from LSU with eight students from Southern. The students involved in these programs were Samuel Kogon, Hang-Ping Chen, Adam Cygan, Pranav Divan, Damien Douglas, Emil Geiger, Scott Hendriks, Jacob Joseph, Shannon McNenny, Norma Poursamadjan, Chris Robertson, Tina Shelvin, Danyeille Small, Richard Wynn, Charles Bencel, Jared Gladney, Shane Harris, Justin McDonald, Mindy Montega, Spencer Pace, Allen Thomas, Dave Washington, Randall Whithington, Carlos Stewart, Alejandro Vega, Martin Wiskoba, Alicia Williams, Layaia Barber, Dishali Davis, Karwin McCain, Christy Ott, Karin Smith, and Ebony Spikes. During the past two years, 11 papers were presented at conferences or submitted for journal publication.

M.E.P. HOLDS ELEMENTARY AND INTERMEDIATE ENGINEERING DAYS

The Minority Engineering Program hosted over 175 students for Elementary and Intermediate Engineering Days. Students from the Baton Rouge area were invited to participate as they learned about engineering through experiments, speakers, and projects. Students received prizes for design competitions for towers and gliders, and learned about the importance of mathematics and science and how it relates to everyday life.

RECRUITMENT OF HIGH ABILITY MINORITY STUDENTS

In its 23-year history, Recruitment of High Ability Minority Students (REHAMS) continues to make an impact on high school juniors from around the country. This program is designed to offer academically talented minority students an opportunity to examine firsthand the activities and thought patterns characteristic of engineering. Instead of being introduced to engineering primarily through subject matter coverage, students are involved in creative and innovative problem solving. In addition, they are not only made aware of the various fields of engineering, but are challenged and stimulated to further develop interests, creativity, and talents in problem solving using engineering design methods. The students take chemistry, physics, calculus, and computer science classes. They also design and publish their own web page and design a REHAMS web page for the M.E.P. website. The plan is to expand the REHAMS program by adding the following additional phases:

REHAMS PHASE II SUMMER BRIDGE PROGRAM

This program supports five M.E.P. students with Bridge Scholarships, including six hours of tuition, room and board, and $1,250 work study.

REHAMS PHASE III SIXTH-TENTH GRADER PROGRAM

This nonresidential program is for students in grades six through ten for one week. The goal is to provide the program to students in grades ten for one week. The goal is to provide the program to 20 tenth graders in 2003, 20 ninth graders in 2004, and 20 sixth-eighth graders in 2005.

CHRIS ROBERTSON

CHRISTY OTT

DANIELLE SMALL

ALICIA WILLIAMS

GLADNEY

HARRIS

McDONALD

MONTGOMERY

PACE

THOMAS

WASHINGTON

WHITHINGTON

STEWART

VEGA

WISKOB

WILLIAMS

BARBER

DAVIS

MCCAIN

OTT

SMITH

SPARKES
NATIONAL SOCIETY OF BLACK ENGINEERS UPDATE

LSU's National Society of Black Engineers (NSBE) ended the academic year by successfully carrying out the theme: "Establishing a Foundation for the 2002-2003 Year."

In September of 2001, NSBE began its year of programming with NSBE Week. The largest event of the week for the organization was the community service project entitled "Wish Tokens." Held in front of the LSU Student Union, NSBE, along with the Friends for Life HIV/AIDS Resource Center, collected donations totaling $130. The organization also committed to making 600 Red Ribbons for AIDS Awareness Week.

NSBE Week led to the organization's first general body meeting of the semester with over 91 students in attendance. Keith Siggwall and representatives of British Petroleum were in attendance and donated $1,500 to the organization. NSBE utilized this donation to subsidize membership fees for freshmen and sophomore students for the academic year.

The following week, NSBE held its annual Career Fair Reception with 13 companies in attendance. Approximately 90 percent of the chapter's members were in attendance.

In October, the chapter sent 62 members to its Fall Regional Conference. The LSU chapter won first place in every competition and event and had the most attendees at the conference.

In February, the regional NSBE executive board announced that LSU will host to the 2002 Regional Conference. The chapter won the bid over Texas Tech and the University of Missouri Rolla. Cordell Scott, chapter chair, and Marlon Bulloch, former membership chair, proposed the bid.

At the National NSBE Convention, the organization sent nearly 60 members including 15 NSBE Jr. members (precollage) to Orlando, Florida. The organization was recognized as the Louisiana Chapter of the year.

In May, NSBE and Society of Hispanic Professional Engineers (SHPE) closed the year with the annual joint barbeque sponsored by BASF Corporation. Three of the LSU chapter members were also elected to the NSBE Regional Executive Board. Those students were Ladesha Moore, Region V Program Chair; Cordell Scott, Region V Fall Regional Conference Planner, and Frederick Ghilione, Region V Pre-college Initiative Chairperson.

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Forest Dent Smith served as the Minority Engineering Program Director for 12 years. She always went the extra mile to ensure the success of the students in the Minority Engineering Program. Since joining LSU in 1999, Saundra McGuire has made a definite impact on the students of the Minority Engineering Program and thus has been named the Forest Dent Smith Making a Difference Award recipient. She not only conducts workshops and seminars for the students, but she also dedicates her time as a mentor to several students. McGuire takes time out of her busy schedule to set up and perform chemistry reviews for midterms and finals. M. P. would like to say congratulations and thank you for all she does to ensure success of the students in the College of Engineering.

SAUNDRA McGUIRE NAMED FOREST DENT SMITH MAKING A DIFFERENCE AWARD RECIPIENT

Forest Dent Smith served as the Minority Engineering Program Director for 12 years. She always went the extra mile to ensure the success of the students in the Minority Engineering Program. Since joining LSU in 1999, Saundra McGuire has made a definite impact on the students of the Minority Engineering Program and thus has been named the Forest Dent Smith Making a Difference Award recipient. She not only conducts workshops and seminars for the students, but she also dedicates her time as a mentor to several students. McGuire takes time out of her busy schedule to set up and perform chemistry reviews for midterms and finals. M. P. would like to say congratulations and thank you for all she does to ensure success of the students in the College of Engineering.

N. SBE hopes to defend its technical titles at the Regional Conference to be held in October at LSU and also bring recognition to the College of Engineering.

Through NSBE's recent activities and achievements, a foundation in programming and leadership has been established, and a standard in achievement has been set.

Cordell Scott
NSBE LSU Chapter Chair, 2001-02 NSBE Region V Fall Regional Planner 2002-03

NSBE 2001-2002 Stats
- Louisiana Chapter of the Year
- Ranked ninth in NSBE Top Ten Chapters
- LSU N. SBE Jr. ranked second in Top Ten
- 27 percent of members received Internship/Co-op
- 32 percent membership increase (103 members)
- 43 members, average attendance at meetings
- 3 Regional Officers elected for 2002-2003 term

REHAMS STUDENT NO BCHE RECIVES SCHOLARSHIP

The 1999 REHAMS Scholar, LaChanda Gray received the Crystal Marshall Scholarship. The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (N O BCHE) at LSU presented the award. The organization was established in 1975 to develop and carry out programs to assist minority groups in realizing their full potential in science and engineering fields. She was recognized at the NOBCHE banquet this spring, where she read her award-winning essay titled “Innovation and Diversity”
2001 & 2002 MEP GRADUATES

2000-2001 HONOR GRADUATE

Summa Cum Laude

Ana Maria d'Empaire

2000-2001 CURRICULUM GRADUATES

Luis Felipe Aguilar ECE
Carlos Anibal Aguilera, Jr. ECE
Sergio Luis Aviles ECE
D'Wyne O'mar Barrett M E
Eliot Carlos Bernos CM
Natasha Shena Bland PETE
Rodolfo Antonio Bournigal IE
Byron David Braud ECE
Ambimbola O lumide Bukoye ECE
Fernando Antonio Cinhchila ECE
Lakieda N icole Claxton BE
Manuel Emesto Crepo CHE
N ikisha D aniele Crump CEE
D erick G eorge D 'avison IE
Ana M aria d'Empaire IE
D avid D uane Est M E
Hasel Joseph Galib CEE
Fernando Sebastian Granda, Jr. CEE
Wendell Craig Harrison CM
Loteria Gwendolyn House ME
Randhona Shani James ECE
Matthew Charles Kern M E
Brian Thomas Linxwiler ECE
Elwin Bernard Lottin II CM
Jose M arcelo M arulanda CEE
Jarred Wayne M eoyer M E
David Wade M ilanes M E
Michael W ilbert Mitchell M E
Florence Ifeanyiwa Ojji CHE

Cecilia Mariel Campos Padilla ECE
Jude Wilmot Paul Patrin CM
Altea Marie Prince Points IE
Armando Ernesto Portillo M E
Wendell Korette Powell ME
Gabriel Cristobal Prats CEE
Carlos Arturo Quant CM
Eugenio Edgardo Rayneri ME
M iguel Angel Regato M E
Rafael Martin Santana P E T E
Nicoie Judith Siemien IE
Cheryl Louise Spiller CHE
Scott Steven Stringer CHE
Wendall Arnez Sykes CM
Stephen Eugene Williams IE
D avit Ghebreysyes Yemane ECE

2001-2002 HONOR GRADUATE

Summa Cum Laude

Kadyss D esire Batisdas

2001-2002 CURRICULUM GRADUATES

Julio Cesar Arana CEE
Alvaro M iguel Azurias CEE
Andrew Bartholomew Bell CEE
Clayton Lamar Birkett CEE
William Pierre Bosc M E
Jerald Wayne Booie, Jr. CM
Derrick Charles Brown CM
Marilys Elisabeth Caldero CEE
Candace Sharaine Coute CEE
Scott J effry Crowell CM
Michael M ark Cummings ME
Salvador Cuba-bicha ME
D ishii Shawon Davis CM

Fareed Barakat D awan ECE
M ario Alberto Dominguez IE
M arcus Jerome Dunn CEE
Kwai M . D uose CEE
M onique Marie Dyers ECE
G regory M artin Garrick M E
Janis Parnell Green CM
D aniel Lance Haslauer ECE
M attthew M axon Holder BE
T had Alexander Hollimon CM
K arla Renee Horton ECE
S ilvete Casa Lombro PETE
S teven J. Joubert CM
M ark Gerard Larnelle M E
D aniel M ur Luthi ECE
A nge D . M arrero IE
D errick Dwayne M avey ECE
Touloupe Folaranmi M esubi ECE
M artin Scott M is E E V E G
C oty Shirelle M itchell CHE
G eorges Nge PETE
L arnell L. N olan ECE
K erick L. O wens-Taylor ECE
A lva A. Parker ECE
O rest Penaj ECE
J ose Antonio O mar P onciano CM
D ean Anthony Provoit ECE
N i conor Rees BE
W. D uane Simmons, Jr. IE
A ngel S. Singleton CHE
R epaeld Sánchez Smith CM
D aryl Joseph Talbert, Jr. ME
R ahoud Watkins ECE
C urtis A shley, Williams ECE
A llen Zamorano IE
FROM THE DEPARTMENT HEAD

enrolled 135 biological engineering undergraduate students and 20 graduate students. The undergraduates are 57 percent men and 43 percent women and the graduates are 60 percent men and 40 percent women. Of the undergraduate students, 95 were in the College of Engineering and 40 were freshmen. Fifteen scholarships were awarded at the Scholarship and Awards Banquet on March 14. Roberto Jimenez, a 1997 graduate of our program, was the guest speaker. For the spring semester, there were 13 students on the Chancellor's Honor Roll and 28 on the Dean's List. On May 24, 18 students graduated with the B.S. BE and one student graduated with the M.S. BAE. Of the B.S. BE graduates, two students graduated summa cum laude, one student graduated magna cum laude and two students graduated cum laude. Bilal Ghosn received the University Medal and the Edward M. Clauhnin Dean's Medal for graduating with an overall grade-point average of 4.00. Bilal Ghosn and Sarah Jones have been accepted to biomedical engineering graduate school at Georgia Tech University. Georgia Tech Biomedical Engineering only accepts 10 new students each year. Twenty percent of the new class is from this department. A departmental reception honoring all of the graduates was held following commencement with families and guests in attendance. The student organization continues to be active, and they hosted a crawfish boil in April 2002.

The New Year started with the Department of Biological and Agricultural Engineering (BAE) Annual Program Review on January 4. In the spring of 2002, this department

FORMER DEPARTMENT HEAD PASSES AWAY

John Nye, former department head of the Department of Biological and Agricultural Engineering, died on April 30, 2002, from a cerebral hemorrhage. Nye served as department head from 1984–91. During his time at LSU, he exemplified remarkable achievements through his leadership in administration, teaching, and research. His extramural funds helped in the development of the departmental computer lab. He received numerous civic and engineering awards. In 1991, Nye left LSU to accept the position of dean, College of Agricultural Sciences and director of the Agricultural Experiment Station at the University of Delaware. In 2001, he became director of the Cooperative Extension Service. Prior to his death, Nye had recently accepted a position as vice president of academic affairs at the Arkansas State University in Jonesboro. He received his bachelor's degree in agricultural engineering from Kansas State in 1968 and his master's and Ph.D. from Purdue in 1970 and 1971, respectively. He is survived by his wife, Gloria, three children, and two grandchildren. Memorial scholarship donations can be made through the American Society of Agricultural Engineers Foundation, 2950 Niles Road, St. Joseph, Michigan 49085.
GRADUATION HIGHLIGHTS

Eighteen undergraduate students participated in the commencement exercises May 24. They received a Bachelor of Science in Biological Engineering. Congratulations to Amanda Ames, Clayton Birkett, Lance Black, Matthew Campbell, Bradley Crain, Greg Determann, Bilal Ghous, Jack Heaton, Benjamin Hodnett, Seth House, Mindi Huguet, Sarah Jones, Andrea Leonard, Sean Nolan, Skye Sagnera-Guadry, Jeremy Thoriot, Neil Tilyou and Michelle Windom. Faculty members Richard Bengtson and Cape Drapcho participated in the graduation ceremonies. Bilal Ghous received the Edward McLaughlin Distinguished Medal for Excellence Award; Benjamin Hodnett graduated summa cum laude; Sarah Jones graduated magna cum laude; and Lance Black and Greg Determann graduated cum laude. A reception honoring the graduates was held immediately following graduation at the department.

SCHOLARSHIPS AWARDED AT BANQUET

The Biological and Agricultural Engineering Scholarship Awards Program was held on March 14 at the Burden Research Conference Center. Roberto Jimenez, a 1997 graduate, was the guest speaker. The following scholarships were awarded to high achieving students majoring in biological engineering:

- Angela Galano, a senior from Greenwell Springs; Thuy Kim Nguyen, a junior from Ocean Springs, Loras, and Blaine Wallace, a senior from Monee, were awarded the A and M Alumni Honorary Scholarship.
- Manuel Mayton presented these awards.
- Juliane Fomans, a senior from Baton Rouge; Joshua Maiser, a junior from Covington; Marina Sylvester, a senior from Baton Rouge; and Rebecca Tanory, a junior from Lafayette, were awarded the Wiley D. Poole Memorial Scholarship. The awards were presented by Malcolm Wright.
- Leslie Clark, a sophomore from Mobile, Alabama, and Monique Hardy, a sophomore from Greene, were awarded the Harold T. Barr Memorial Scholarship. Sue Smiley presided.
- Brad Kanall, a senior from Baton Rouge, and Jordan Whisley, a senior from Iowa, were awarded the Carl H. Thomas Memorial Scholarship. The awards were presented by Chris Thomas.
- Lee Miller, a sophomore from Lake Charles; Wesley Plaisance, a sophomore from Marrero; and Ayune Venos, a junior from Baton Rouge, were awarded the Scott Windham Scholarship. Bobbi LaCoutre presented these awards.
- Lakisha Claude, a graduate student from New Orleans, was awarded the Charles E. Severance Endowed Fellowship. Charles Severance was present to award the fellowship.

During the scholarship awards banquet, the Biological Engineering Student Organization presented several club awards. Jack House, club president, presented the awards. The President’s Award was presented to Jordan Whisley, a senior from Iowa. The Outstanding Member Award was presented to Andrea Leonards, a senior from Louisiana. The Outstanding Professor Award was presented to Cape Drapcho, associate professor. President-elect Brad Kanall gave his comments on the club’s future plans.
DEPARTMENT NEWS

Bill Branch was recognized as the first recipient of the Roy A. and Karen Picken Professorship in Extension Water Resources.

Marybeth Lima, assistant professor, was awarded the Faculty Service-Learning Fellowship Award. She received a $5,000 cash award from the LSU Office of Academic Affairs, the Service-Learning Faculty Advisory Council and the School of Social Work Office of Social Service Research and Development. She was named the recipient of the 2001-2002 National Association of Colleges Teaching Agriculture (NACTA) Excellence in Teaching Award in the LSU College of Agriculture, and she is the 2002 winner of the Award for Excellence in Teaching Materials and Methods in Biological and Agricultural Engineering presented at the 2002 American Society of Engineering Education (ASEE) Annual Conference in Montreal. These awards recognize the innovative teaching methods developed by Lima at LSU, her contributions to the academic goals of the University, and her community outreach work linking engineering education and the public schools.

Terry Walker was selected to receive the 2001-2002 Tiger Athletic Foundation Award for Outstanding Teaching in the College of Agriculture.

ALUMNI NEWS

1963

John Ivan Seaberg, owner of Eastex Farm & Home, resides in China, Texas.

1969


BAE HOLDS ANNUAL INTERNATIONAL MEETING

The department was host of the international meeting of the Institute of Biological Engineering from January 18-21, 2002. Steven Hall, assistant professor, was cochair and local arrangements chair. Mary Beth Lima, assistant professor, led the emerging issues session; and Terry Walker, assistant professor, led the student poster session. National and world leaders from Europe, Africa, Asia and the Pacific joined LSU engineering faculty as contributing speakers to this event. Dean Pius I. Egbe and interim department head Richard E. Brown addressed the meeting participants, expressing their support for this emerging field.
The new chemical engineering facility remains a high priority for the department. Planning money from the state of Louisiana is already being put to use on the project, and the appointed architectural firm is drawing up the plans. We are considering two building options: either an annex to our existing facility or a new facility near CEBA. The benefit of the former is that it would provide maximum space. The latter, however, has been the primary focus because of its consistency with the campus master plan of a focused engineering complex.

In other news, we are happy to announce that three new faculty members joined us in the fall of 2002. Ben McCoy comes to us from the University of California, Davis, and will fill the first Gordon A. and Mary Cain Endowed Chair. M c C o y ' s background is applied mathematics. Associate professor Judy Wornat, who will hold the Robert Hughes Harvey Professorship, comes to us from Princeton University with a specialty in analysis of combustion products. Jerry Spivey, our new associate professor, comes to us from the University of North Carolina, where he focused on applied catalysis. In addition to new faculty, Dan M o w r e y, a retiree of ExxonMobil, has also joined us in the Undergraduate Lab as our new Undergraduate Lab manager and teaching associate. M o w r e y ' s knowledge of process-control systems has proved greatly useful to our undergraduate students.

The Alumni Advisory Committee held its second meeting in August to continue to help the department define educational objectives and assessment tools to evaluate those objectives. We held a reunion for all our alumni and their families on October 12. The reunion took place between Tiger Stadium and the Chemical Engineering Building on South Stadium Drive. We had jambalaya and refreshments. Alumni were given the chance to visit with other chemical engineering graduates and faculty, while seeing the many important additions to our facilities.

We believe that all our efforts toward improvements and modernizations will 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 are headed, please do not hesitate to stop by the department. The faculty and I would be most interested in speaking with you.

F. Carl Knopf
Chair, Robert D. and Adele Anding Professor

Benjamin J. McCoy, Gordon A. and Mary Cain Endowed Chair, joined the chemical engineering faculty in August 2002. M c C o y received his Ph.D. from the University of Minnesota in 1967. His areas of specialization include polymer reaction kinetics, phase transition dynamics and environmental transport phenomena.

Jerry Spivey, James M. McLaurin Shriver Professor and associate professor, has joined the faculty. H e s focus is on applied catalysis.

Judy Wornat, Robert Hughes Harvey Professor and associate professor, has joined the LSU faculty. H e s specialty is analysis of combustion products.
GORDON A. CAIN DIES AT 90

LSU ALUMNUS AND DONOR GORDON A. CAIN DIES AT 90

LSU alumnus and Houston businessman Gordon A. Cain died October 22 at age 90. Cain donated more than $20 million throughout his lifetime to various programs at LSU, including the Colleges of Engineering, Education, Agriculture, and Basic Sciences, as well as the LSU Agricultural Center and the LSU Alumni Association.

"Gordon Cain was a truly magnificent benefactor for Louisiana State University and has shown deep care about the well-being of the citizens of this state," LSU System President William L. Jenkins said. "Gordon had a very clear understanding of the value of a research institution in its totality—teaching, research and service—and was always as anxious to assist in advancing quality education in Louisiana. Our friend will be greatly missed."

A native of Rayville, Louisiana, Cain graduated from LSU in 1933 with a bachelor of science degree in chemical engineering and was awarded an honorary doctor of science degree in 1993. Cain, a Cadet of the Ole War Skule, served in World War II, earning the Purple Heart in the Philippines. He was married to Mary H. Annock and together they had two children and three grandchildren.

Cecil Phillips, president of the LSU Foundation said, "Mr. Cain was not only the most generous benefactor in the history of the main campus of LSU, he was a model alumnus in many other ways as well. His military service, his business successes, his generosity to his employees, and his reputation for integrity brought credit to his alma mater. He-richly deserved LSU's highhonors, the honorary doctorate."

In 1998, in recognition of Gordon and Mary Cain's $10 million gift to the College of Engineering, the department of chemical engineering was named the Gordon A. and Mary Cain Department of Chemical Engineering. This gift was one of the largest private contributions ever made to LSU.

"News of Gordon Cain's death brings sadness to everyone at LSU," said LSU Chancellor Mark A. Emmert. "Mr. Cain was a wonderful individual and he and his wife, Mary, have been enormously faithful and generous to Louisiana State University. He remains an example to all of us for the successes he achieved in business and industry and for the unerring efforts he committed to being a civic leader and philanthropist. Mr. Cain will continue to affect our University and our students through what he has made possible here. We remain grateful to have known him and to have benefited from his goodwill."

See page 37 for more information on Cain's recent $7.5 million gift to LSU.

DEPARTMENT OF CHEMICAL ENGINEERING

DEPARTMENT NEWS

Armando Corripio's book Principles and Practice of Automatic Process Control is in its second edition and has sold 12,000 copies. The publisher has asked Professor Corripio, with the assistance of his colleague Carlos Smith to produce a third edition of the book.

Doug Harrison, Alexis and Marguerite Voelhke Endowed Professor of Chemical Engineering presented a seminar entitled "Hydrogen Production Using Sorption-Enhanced Reaction" at Illinois Institute of Technology in Chicago on April 10. He also received the 2002 Dow Outstanding Teaching Award.

Martin Hjerrige, George H. Nusloch II Endowed Professor in Chemical Engineering, is on sabbatical for the fall 2002 and spring 2003 semesters. He will be serving at Otto von Guericke University at the Center for Process Biotechnology at Denmark Technical University teaching a high level class on microbial kinetics and assisting graduate students on various projects.

Carl Karpf, Robert D. and Adele Anding Professor in Chemical Engineering, department chair and associate director of the Minerals Processing Research Institute, and Kenny Dewley, BASF Endowed Professor, invented "Pressure-Assisted Molding and Carbonation of Cementitious Materials." The patent was issued to LSU in 2001.

Elizabeth Podlaha, Clarence M. Eddy Jr. Endowed Professor in Chemical Engineering, has been promoted with tenure from assistant professor to associate professor.

Danny Reible, Chevron Endowed Professor of Engineering and director of the Hazardous Substance Research Center/South and Southwest, received the 2002 Charles E. Cotes Award from the American Chemical Society and American Institute of Chemical Engineers. He has also received funding in the amount of $2.25 million for "Frieden's Demonstration of Active Caps." The project's goal is to demonstrate innovative technologies for managing contaminated sediments.

Danny Reible and K.T. Valkaraj, also Endowed Professor in Chemical Engineering, were major contributors to the Louisiana Department of Natural Resources' rewrite of the 298 rules of disposal of oilfield waste, which was recently released following two years of scientific and technical advice.

K.T. Valkaraj chaired a session on "Prediction and Correlation of Transport Properties" at the American Institute of Chemical Engineers 2002 spring meeting in New Orleans.
ALUMNI NEWS

1943
Robert J. Bujol is retired and continues to serve the community through volunteer work. He resides in Baton Rouge.

1948
Robert L. Jeanson is retired from L’Roche Chemicals and resides in Baton Rouge.

1949
Robert Anthony Bogan, Jr., is retired from Louisiana Companies and resides in Baton Rouge.

Ernest Dave Campbell is retired from Dow Chemical. He is a resident of Baton Rouge.

Joseph E. Frantz is a chemical engineering consultant and expert witness. He resides in Richmond, Texas.

1955
Harold A. Harvey owns and operates Harvey Enterprises. He currently resides in Richardson, Texas.

1961
Robert E. Eakin retired from PPG Industries August 1, 2001, after more than 39 years with the company. He was serving as works manager of PPG’s chemical manufacturing complex in Lake Charles, where he and his wife Carolyn reside.

Robert Lawrence Gill is an engineer for the state of South Carolina. He currently resides in Columbia, South Carolina.

1964
James D. Sparkman has been named division manager of Marathon Ashland Petroleum LLC’s Calverttsburg Refining LLC in Calverttsburg, Kentucky.

1979
Teresa C. Atkins is employed by Conestoga-Rovers and Associates. He resides in Kenner.

1982
Consuelo Escalante Madere serves as director of technology development at Monsanto. She resides in Valley Park, Missouri.

1985
Keith B. Hall is currently a practicing attorney at the firm of Stone, Pigman, and Walthers. He resides in Gretna.

1997
Teresa C. Atkins is employed as a production engineer at Dow Chemical. She currently resides in Victoria, Texas.

1998
Benjamin M. Day has been appointed regional engineer for Dynegy Corporation. He is based in Venice.

2001
John A. DiGiano is employed by Conestoga-Rovers and Associates. He resides in Kenner.

2002
Benjamin P. Dugay is a process engineer with Veeco-Bertran in Baton Rouge.

Cherrie Elizabeth Lefleur is a process engineer with Motiva Enterprises in Baton Rouge.

IN MEMORIAM

1949
Lester C. Gerard, Jr., passed away on January 25, 2002. He received both his bachelor’s and master’s degrees from LSU. He served in the Army and worked in the Coast Guard Auxiliary in North Carolina and Delaware. Gerard was a member of the American Institute of Chemical Engineers. After 32 years, he retired as senior chemical engineer with DuPont and is survived by his wife M. Irlene Gerard.

1959
Lloyd A. Cagnolatti died August 12, 2001. He resided in Gonzales.

1979
Robert E. Eakin
FROM THE CHAIR

It is important for the department to recognize the need to maintain current, innovative and rigorous educational programs at both the undergraduate (civil and environmental) and graduate (civil) level and ensure accreditation of the respective undergraduate degrees. The faculty needs to be creative and innovative in their research work. This helps them in conducting cutting-edge research in their respective areas of specialization. They should strive to do work that brings state-wide, national, and international recognition. They also contribute to the development of end products that enhances the economy of the state and the nation.

The faculty often participates in service activities to engineering societies, the state, and nation and attain recognition for their endeavors. The success achieved by continuing to implement superior teaching, research, and service will lead the department to a higher ranking among the top departments at the University and in the nation.

This is a dynamic time within our department in terms of academic programs. The assessment process that we have instituted for our programs encompasses not only internal type assessment but also professional community assessment through our professional advisory committee, alumni, and employers of our graduates. In the past few years, we have instituted a number of minors in structures, surveying, and environmental engineering to strengthen our graduates both in depth and in breadth. We are also investigating an Honors Program for our undergraduate programs. In addition to completing the requirements of a bachelor degree, students will have to complete the honors program in civil engineering or environmental engineering.

In an effort to expose our undergraduate students to the latest developments in Civil and Environmental Engineering, we have developed a Research Experience for Undergraduates program. The National Science Foundation initiated this effort in the last decade. This summer program exposes the student to an interdisciplinary, collaborative approach to research. The student interacts with faculty and graduate students on research topics of interest to faculty, and at the end of the semester, the student makes a formal presentation of the effort.

George Z. Voyiadjis
Interim Chair, Boyd Professor and Bingham Cushman Stewart Distinguished Professor

CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT

George Voyiadjis, Boyd Professor and Bingham Cushman Stewart Distinguished Professor, has been selected among a number of candidates to serve as the chair of the Department of Civil and Environmental Engineering (CEE). Voyiadjis is the only faculty member in the college to be named Boyd Professor, the highest honor that LSU awards its faculty. He has served as graduate program coordinator, acting associate dean of graduate school, and interim department chair for CEE. His administration experience highly qualifies him for this new position.
Five charter members were inducted into the Civil and Environmental Engineering Hall of Distinction in December of 2003. The honorees were selected for their professional achievement, service to the department, and their significant impacts in their field and their department. The five inductees are Ara Arman, Elvin Dantin, L. Lane Grigsby, Chester P. Seiss, and Bingham C. Stewart.

Executive Director Ray Doak and Chief of Geodetics Clifford Magnien, both with the Center for Geomatics, are installing a network of global positioning systems throughout Louisiana that will determine the position and elevation of any location in the state accurate to within one inch.

Their discovery that the land surface of Louisiana’s coastline has sunk four inches over the past 16 years has made the system of benchmarks, previously set by surveyors and used as reference points, inaccurate. Because all levees, roads, and evacuation routes are based upon these reference points, it is imperative that these results are dependable. Homeowners and companies also rely on these points when deciding where to build.

The National Oceanographic and Atmospheric Administration and the New Orleans District of the Army Corps of Engineers have begun establishing seven of the 25 planned stations in the state. The network uses the 27 U.S. Department of Defense radio beacons orbiting Earth at about 12,600 miles. The exact position of each station will be monitored 24 hours a day, sent to a computer at LSU and then posted on the Internet, where it can be accessed by anyone.

The Louisiana Spatial Reference Center (LSRC) will be the most sophisticated and comprehensive system worldwide. This system will provide information for farmers, who can determine the amount of fertilizer needed so excess is not washed away into the Gulf of Mexico, and it will aid in tracking where and how quickly the coastline is sinking into the Gulf. Currently, 35 square miles of land become submerged each year.

FACULTY DEVELOPS STATEWIDE GLOBAL POSITIONING SYSTEM

NEW DIRECTORS NAMED IN LWRRI

John H. Pardue, Elizabeth Howell Stewart Endowed Professor, associate chair for research, and associate professor, has been named director of the Louisiana Water Resources Research Institute (LWRRI). The Louisiana Land and Exploration Company College of Engineering Endowed Professor and associate professor, John J. Sansalone, has been appointed associate director of LWRRI. Pardue is replacing Joseph N. Suhayda, former director LWRRI, who retired in June 2002. LWRRI is a multidisciplinary center which is federally mandated to perform a statewide function of promoting research, education, and services in water resources.

The Civil & Environment Engineering Department congratulates Pardue and Sansalone for their new positions.

SUHAYDA RETIRES

Joseph N. Suhayda, director of the Louisiana Water Resources Research Institute (LWRRI) and associate professor, has announced his retirement effective June 30, 2002. Suhayda joined LSU in the Coastal Studies Institute in 1971 as assistant professor and was promoted to associate professor in 1975. He then became a faculty member of the Department of Civil Engineering, where he has been since 1978.

Working with the LWRRI, Suhayda served as associate director from 1995–98 and was named director in 1999. He was also director of the LSU Natural Systems Engineering Laboratory from 1995–98. It is areas of specialization are coastal engineering-offshore technology, wave forces, and sediment stability and transport.

Suhayda received his bachelor’s degree in 1966 from California State University, Northridge, and his Ph.D. in 1972 from the University of California, San Diego.
NEW ORLEANS HURRICANE: POTENTIAL FOR DISASTER

Researchers at the Louisiana Water Resources Research Institute (LWRR) are working to prevent the potential for extreme devastation from becoming a reality.

Scientists and engineers agree that one Category 4 hurricane, with winds up to 155 mph, could set New Orleans under 21 feet of water, with death tolls up to tens of thousands and many more left without shelter.

‘During the city after such a disastrous storm would be impossible for weeks with water trapped inside the city’s walls. It would take at least nine weeks to pump out water from inside the city, said Ivor van Heerden, deputy director of the LSU Hurricane Center and associate professor. Pumping stations, which sometimes fail during large storms, would not operate under such conditions.

“There’s no way to minimize the amount of devastation that could take place under such circumstances,” said Walter S. Madsen, director of emergency management of Jefferson Parish, a suburban region with 455,000 residents on the city’s western and southern sides.

Joseph N. Suhayda, former director of LWRR, has been studying the latest geographical and meteorological information to determine ways to save Louisiana’s coastline, which provide data to determine how different storms would damage the city. Some proposals by Suhayda and other engineers include strategically placing a two-story wall with flood gates to preserve homes and the cultural and governmental hub, building a wall of levees surrounding the lower delta to prevent flooding, or implementing additional control gates to cause the Mississippi to pour sediment-rich water to build up coasts.

The most promising protection may be building up the quickly-eroding coastal marshes between New Orleans and the sea. His process will take massive efforts and up to $14 billion, according to a study completed by state agencies, universities, and businesses.

Obtaining the necessary money to complete this project is a difficult task, but $14 billion is much less than the projected $50 billion in damages to the city if destructed by a powerful hurricane.

The American Red Cross is taking the situation seriously and has announced that it will no longer provide hurricane shelters in the New Orleans area, citing it as too risky for its employees, volunteers, and the general public.

FACULTY RESEARCH AWARDS

Sheriff Ishak, assistant professor, received a $100,000 National Science Foundation (NSF) Research Award: Information and Communication Systems for Surface Transportation. The title of his research is ‘Exploring New Traffic Characteristics and Performance Measures Using Feature Extraction and Texture Characterization of Spatiotemporal Traffic Contour Maps.’

Clinton S. Willson, assistant professor, received an NSF Research Award: Hydrological Sciences, totaling $87,590. His research is titled ‘Collaborative Research: Measurement and Modeling of Pre-Scale Flows.’ Willson submitted a collaborative proposal with Markus Hilpert, Department of Geography and Environmental Engineering, Johns Hopkins University.

Clinton S. Willson, assistant professor, and co-principal investigator Richard Kumar and Kyungmee Han, have been awarded the NSF Instrumentation for Materials Research Program Award for their research titled ‘ Acquisition of a Multilayer Monochromator for a Synchrotron X-ray Microtomography Station and Education.’ Their award totaled $330,000.

ALUMNI NEWS

1929

Gerald Arthur Valliany worked for the U.S. Corps of Engineers until the time of his retirement in 1969. Additionally, he was ordained a minister in the Episcopal church in 1954, and he enjoyed active church service until his retirement in 1993. He currently resides in Green Valley, Arizona, and enjoys videography.

1961

Joseph Sansotta is retired from Vought Aircraft Ind. and is a hospital volunteer. He is a resident of Milledgeville, Georgia.
DEPARTMENT NEWS

Dante Frattia and William Moe, both assistant professors, were selected based on their outstanding teaching to receive the Tiger Athletic Foundation Undergraduate Teaching Awards. They will each receive a cash award of $1,000.

Ivor van Heerden, associate professor, received a $3.7 million grant from the Louisiana Board of Regents’ Health Excellence Fund to create a center for the study of the public health impacts of hurricanes and major floods. The new center will work with Louisiana’s Office of Emergency Preparedness to develop a plan to avoid or mitigate the worst effects of a disaster.

Marc Levitan, Charles P. Siess, Jr., Professor in Engineering and director of LSU Hurricane Center, has been elected to a three-year term on the Board of Directors of the Louisiana Emergency Preparedness Association, whose mission is to provide support, training, and leadership to advance public safety in Louisiana.

Kelly Rusch, Formosa Plastics Corporation Endowed Professor in Engineering and director of the Institute for Ecological Infrastructure Engineering, has been awarded a grant by the LSU Learning Communities Task Force to develop new learning communities courses and implement them during the fall 2002 and spring 2003 semesters. She will teach Introduction to Environmental Engineering, an interdisciplinary course, composed of four classes from four disciplines of four different colleges. Project teams will be created from students of all four classes, and they will collaborate to develop an enhancement plan for Campus Lake that will include technical, visual, and written components.

John J. Sassalone, the Louisiana Land and Exploration Company College of Engineering Endowed Professor, has been promoted with tenure from assistant professor to associate professor. Vijay P. Singh, Arthur K. Barton Endowed Professor of Engineering, gave the keynote presentation on “Entropy Theory and its Application in Environmental and Water Resources Modeling” and chaired a session on stochastic hydrology at the International Conferences on Advances in Civil Engineering, held January 2001 at the Indian Institute of Technology at Kharagpur. He presented keynote papers at the Indian Institute of Science in Bangalore, India, and chaired a session at the NATO Advanced Research Workshop on Integrated Technologies for Environmental Monitoring and Information Production held September 2001 in Turkey. In November and December, he lectured in the Distinguished Lecture Series at Nanyang Technological University in Singapore, and he taught a short course on Risk and Reliability Analysis and gave lectures on water resources. Singh has also been elected Academician, the highest honor, of the Georgia Fais’s Academy of the Republic of Georgia, Commonwealth of Independent States, for his work in the field of hydrological sciences.

ALUMNI NEWS (Continued)

1979

Mark Lee Morgan is the president and owner of S.E. M. S., Inc. He enjoys golfing and snow skiing and currently resides in Baton Rouge.

1979

Jack Henry Hingle works as a design engineer on various capital projects in Orleans and Jefferson parishes.

1986

Raymond Joseph Battalora (M.S. PETE 1983) is currently a Senior Fire Protection Engineer with Schlimmer Engineering Corporation. He resides in Richardson, Texas.

1982

Thomas Reid is a senior database manager at TRW. He lives in Falls Church, Virginia.

1987

Ann Mannino. Theros is working part-time at Meyer Engineers, Ltd., and raising her twins, Jake and Virginia. She and her family reside in Metairie.

1988

Elba Alicia Urbina (M.S. CE 2002) is a project engineer at Chiang, Patel & Yerby, Inc. in Dallas, Texas.

1999

Suzanne Fylan is employed by Stevenson & Palmer Engineering. She resides in Marietta, Georgia.

2001

Sergio Luis Avalos is an intern at the Louisiana D department of Transportation and Development. He resides in Baton Rouge.
Students Win Awards in International Environmental Design Contest

Two environmental engineering student teams from LSU won several awards, including first and second place finishes in two categories, at the 12th annual International Environmental Design Contest held at New Mexico State University. The teams also won the Overall Award in the Waste Management Track, giving the students a total of $6,000 for their efforts.

The contest played host to more than 350 students representing 25 universities from throughout the United States, India and Mexico. Sponsored by WERC: A Consortium for Environmental Education and Technology Development, the contest challenged teams to provide solutions to environmental problems that were submitted by private industry and government agencies. The students prepared papers, made oral presentations, and developed bench-scale demonstrations of their solutions in competition for cash awards and travel allowances exceeding $55,000.

The representatives from LSU were: Jonathan Fournier, Baton Rouge; Loyd Bourgeois, Baton Rouge; Michael Thompson, Lake Charles; Jason Candella, Opelousas; Julie Mancuso, Destrehan; Julie Reed, Port Barre; Lacey Yesso, Houma; Sarah Goldsmith, Baton Rouge; Shana Kunefke, Denham Springs; Melanie Boudreaux, Baton Rouge; and faculty advisor David Constant, professor of civil and environmental engineering. The Hazardous Substance Research Center/South and Southwest, a consortium of LSU, Rice, Georgia Tech, and Texas A&M, and the LSU Department of Civil and Environmental Engineering, sponsored the LSU group, which was split into two teams. LSU has participated in the event for the last five years.

One team’s project was to develop and demonstrate a separation technology for treatment of explosive-contaminated soil in a safe and cost-effective manner. The other team developed and demonstrated a cost-effective method to remove uranium from drinking water. For both teams, their designs had to take into consideration the regulations around their proposals, legal issues, public participation and the overall cost to finance such an undertaking.

“These students are outstanding among their peers,” said Abbas Ghassemi, executive director of WERC. “We hope that this experience will encourage them to continue their education in the environmental disciplines.”

For more information, visit WERC at www.werc.net or call 1-800-523-5996.

Josh Duplessis
LSU Media Relations

IN MEMORIAM

1949

Charles Hogg, Jr., passed away on March 7, 2001, in Baton Rouge. He is survived by his wife, Betty Gladden Hogg.

LSU Media Relations
The Construction Management Department has continued to grow in student population. Construction Management (CM) declared majors now total 522 students and there are 54 students that are declared CM minors. Due to the fantastic support of CM’s LSU Construction Industry Advisory Council (CIAC), CM will have sorely needed additional classroom and office space once the renovation of the CEBA “boiler room” is completed. The project is set to be completed in the fall of 2002. Faculty has been supplemented very successfully by adjuncts also supplied by CIAC; they are greatly appreciated and have done an excellent job. Contributions to the CM department for endowments continue with our Contractors Educational Trust Fund (CETF) Endowed Chair, Professor James Gill, named as the recipient of the Endowed Professor For Applied Professional Ethics also from the CETF. Additional Endowed Professorships have been given to the CM department from Performance Contractors, Inc. and Cajun Constructors, Inc. Our sincere thanks for their continued active interest and that of the CIAC.

George M. Hammitt II
Chair
The Department of Electrical and Computer Engineering is striving to provide the best undergraduate and graduate education in leading technological fields to our students. We graduated more than 60 undergraduate students and nine graduate students in the spring. Among them, five students won the University Medal with a perfect grade-point average. One of our Ph.D. students was also awarded the first College of Engineering Exemplary Dissertation Award at the Spring Commencement. All these have been achieved with extremely meager resources available to the department.

Looking forward as the leading department of technological innovation and revolution in this information era, we have ample opportunities to make a significant impact on the state economic development and have great potential and capability to be the driving force for the state information technology initiative. At the same time, we are facing tremendous challenges. The fast changing technology in wireless communication, microelectronics, and computers, which are the core of the information technology initiative and the focus of this department, demands constant updating of our teaching and research techniques and upgrading our teaching and research facilities. We are vigorously seeking support from various resources, and contributions from corporations and our alumni are most welcome and greatly appreciated. We are very proud of our achievements and we are determined to continue the excellence.

Kemin Zhou
Interim Chair and Oskar R. Menton Professor of Electrical Engineering

ECE CHAIR RETIRES

Alan Marshak, department chairman, retired June 30, 2002. Faculty and staff held a retirement celebration in his honor on May 1. Marshak has worked with the department since 1969, when he began as an assistant professor. In 1973, he was promoted to associate professor and in 1978 rose to the rank of full professor. In 1983, he was elected chairman and was named the F.H. Coughlin/CLECO Professor of Electrical Engineering in 1993. He received his bachelor’s degree from the University of Miami in 1960, his master’s degree from LSU in 1962 and his Ph.D. from the University of Arizona-Tucson in 1969. His areas of research include semiconductor device physics, device analysis, transport theory, and heterojunctions.
**INTERIM CHAIR NAMED**

Kemin Zhou, Oskar K. Minton Endowed Professor of Electrical Engineering, has been named interim department chair for the Department of Electrical and Computer Engineering.

**DEPARTMENT NEWS**

Sahdak Kak was awarded the Distinguished Alumni Award of the India Institute of Technology, Delhi for the year 2002.

Jagannath Ramamujum, professor, has been promoted from associate professor to professor.

Kemin Zhou, Oskar K. Minton Endowed Professor of Electrical Engineering, has been selected as associate editor of the International Federation of Automatic Control Journal-AUTO-MATICA. He serves as the associate editor of the ISIJ Journal of Control, Science and Optimization, Systems and Control Letters and the Journal of System Science and Complexity.

**IN MEMORIAM**

1941

Jules Malcolm Miller, 82, passed away January 18, 2002. He received his bachelor's degree in electrical engineering with a minor in aeronautical engineering. He retired in 1972 after serving 31 years with NASA. He was a resident of Hampton, Virginia, and is survived by his wife Betty Lear Miller.

1943

William Robert Johnson, Jr., passed away April 16, 1996. He was an avid LSU football fan and a Lambda Chi Alpha fraternity alumnus. He is survived by his wife, Ruth Johnson.

**WELCOME TO LSU**

Benjamin Arazi, professor, received his Ph.D. in 1974 from University of Witwatersrand in South Africa. His areas of specialization are information technology including communication, computer network, coding theory, and cryptology.

Yuan-Bin Liang, assistant professor, received his Ph.D. in 2002 from University of Delaware. His areas of specialization are wireless communication, information theory, signal processing, linear and nonlinear systems, and neural computing.

**ALUMNI NEWS**

1939

Charles Eppy Reed is currently enjoying retirement activities such as investing and resides in New Orleans. He is retired from Reed Unit-Fans, Inc.

1958

David T. Harvey, Jr., is retired and living in Tallahassee, Florida.

1962

Wayland P. Marcombe is an engineering consultant at Wayland P. Marcombe & Associates, Inc. He enjoys studying Louisiana history and the genealogy of Acadians.

1963

Charles Richard Sinclair is retired from M & R, Inc., where he served as director of commodity purchasing. He resides in Destin, Florida, and enjoys offshore fishing and genealogy.

1977

Stephen Edward McManus is president and CEO of Chip Express Corp, Hennessey in San Jose, California.

1982

Kevin Gitschlag (M. S. EE 1982) is employed by Compaq. He and his wife, Jane, are celebrating the birth of their first baby, Matthew Joseph. The family resides in Cypress.

1987

Jean Elizabeth Donham Geisiant and her husband, Thomas, welcomed the birth of twin girls, Valerie and Lily, on October 8, 2001, in addition to their other three daughters. The family currently resides in Colorado Springs, Colorado.

1994

Tim S. Levos and his wife, Michelle, welcomed the birth of their son, Timothy Joseph, on May 3, 2001. The family resides in Baton Rouge.

1995

Paul Joseph Mire is employed by Monsanto and resides in Destrehan. After a two-and-a-half-year assignment in Brazil on the start-up of the Monsanto Roundup facility, he recently returned to the Luling plant to coordinate 1,500-9000 efforts.

1997

Robert Paul Decote is employed by Dominion Exploration and Production. He and his wife, Terri, reside in Marrero.

2000

Brian Linwood is currently employed by Bently Nevada Corporation as a systems engineer at the Exxon Mobil Baton Rouge Refinery. He and his wife, Amy, reside in Greenwell Springs.

2002

Michelle Pivich is employed by Entergy in New Orleans. Travis John St. Pierre is an electrical engineer with Northrop Grumman Ship Systems in New Orleans.
EC E FACULTY AWARDED PATENT

Three faculty members have been awarded a patent by the U.S. Patent and Trademark Office. Martin Feldman, professor; Ahmed El-Amawy, Chevron Endowed Professor of Engineering; and Ramachandran Vaidyanathan, associate professor, were issued a patent entitled “Optical Slab Waveguide for Massive High-speed Interconnects.”

Martin Feldman, professor, and three MIT researchers, Henry L. Smith, Kenichi Murooka, and Michael H. Lim, have been issued a patent entitled “Adaptive Lithography Membrane Masks.”

AIRCRAFT SAFETY PROJECT UPDATE

“AIRCRAFT SAFETY: Managing Control Upsets” is a NASA/LEQSF (Louisiana Education Quality Support Fund) research contract based at LSU and partnered by University of New Orleans and UL-Lafayette. Jorge L. Aravena, professor, is the principal investigator. During the first year of activity the project produced over 15 technical publications. Aravena was invited to present results at the 35th IFAC World Congress in Barcelona, Spain, July 20-29. Team members, Daniel Campos-Delgado and Kemin Zhou, both from LSU, and X. Xiong Li, from UNO, are also presenting results at this congress. The team is also scheduled to participate at the 2002 Digital Avionics Systems Conference in October where Min Liu, a doctoral student with Aravena, will present additional results.

STUDENT NEWS

Chuang Zhang, a Ph.D. student under the direction of Ashok Srivastava, and Pranat K. Ajmera, won fourth place in the Student Paper Award Competition out of 200 student papers submitted worldwide at the Institute of Electrical and Electronics Engineers (IEEE) 45th International Midwest Symposium on Circuits and Systems, August 4-7, 2002 in Tulsa, Oklahoma. The title of his paper is “A 0.8 V Ultra-Low Power CMOS Operational Amplifier Design.”
FROM THE CHAIR

The Department facilities are beginning to take on a new appearance with the changes of the last two to three years. The machine shop has been relocated to the Engineering Annex Building adjacent to the CEBA parking lot. Our dedicated classroom has been updated to a multimedia facility. New computers were installed in the computer lab, which has been equipped with new furniture. The main departmental office, including the chairman’s office, has been completely refurbished and carpeted. Room 3415 has also been redone with new enclosed cubicles that can be locked for graduate students. This was accomplished with funds received from LSU CAPITAL, which resulted from the Governor’s Information Technology Initiative. This fall, the lab for IE 4480 will be updated with approximately $57,000 in new equipment.

We also have three new faculty members joining us this fall. They are Craig Harvey (Ph.D., Purdue), Xiaolin Jiang (Ph.D., Toronto), and Charles McAllister (Ph.D., Penn State). We are very glad to have these dynamic additions to our department and look forward to their contributions to our further success in academics and research.

In January of this year we began the Information Technology Apprenticeship Program (ITAP) for graduate students. This program allows students to work in practical environments with small companies thereby receiving valuable experience that will assist them in finding jobs. This fall, the graduate enrollment, as a result of ITAP, is expected to increase significantly.

We would like also to congratulate our new professors who were promoted recently: Warren Liao and Evangelos Triantaphyllou.

Thomas G. Ray
Chair

RAY NAMED DEPARTMENT CHAIR

Thomas G. Ray, associate professor, has been appointed chairman of the Department for Industrial and Manufacturing Systems Engineering. Ray received his Ph.D. from Virginia Polytechnic Institute and State University in 1971 and conducted his doctoral research in the area of engineering economics with application to systems of interacting components. His areas of research include engineering economics, operations research, computer simulation, quality control, and management information systems.
Craig Harvey received his Ph.D. from Purdue. His areas of specialization include human factors and information systems.

Xiulin Jiang received his Ph.D. from Toronto. His areas of specialization include simulation and statistics.

Charles McAllister received his Ph.D. from Penn State. His areas of specialization include simulation, statistics, and stochastic processes.

IN MEMORIAM

1947

1960

ALUMNI NEWS

1966
George Diedrich III is a broker/owner with Century 21 Acadia Realty in Thibodaux.

1972
Paul Juhin Barron has been employed by Bell South for 28 years and resides in Mandeville.

1973
John Richard Creed has been promoted to executive vice president and general manager at Firth Rixon Viking. He now resides in Reno, Nevada.

1998
Jothi Shankar Balasubramanian is employed by International Paper. He obtained his APICS CPIM certification in December 2001.

1999
Faisal Basai is employed by Cadre Systems, LLC as an application developer and database analyst. He resides in Troy, Michigan.

2001
Stephen Eugene Williams is a reliability engineer with Northrop Grumman Ship Systems in New Orleans.

2002
Christopher Reed is an industrial engineer with Northrop Grumman Ship Systems' Avondale Operations in New Orleans.

DEPARTMENT NEWS

I. Warren Lieu, associate professor, was invited by the National Science Council of Taiwan to visit several universities in Taiwan in February to present his past and current research work and to investigate possible future research collaborations.
FROM THE DEPARTMENT HEAD

THE DEPARTMENT of Mechanical Engineering (ME) had another good year in both teaching and research.

As teachers, department faculty continue to be highly rated by students. The same students rate ME courses as significantly more challenging and demanding than other courses, even other courses in the College of Engineering.

To complement our teaching, we continue to try and improve our undergraduate laboratories. While significant improvements were made in three of our labs in the previous year, there remains much to be done. This year we upgraded two more labs and improved student shop facilities.

Senior Design students performed exceptionally well this year. Some long-time observers of Senior Design judged a number of projects to be among the best ever. Senior Design also served as a platform for participating in three national competitions: Mini Baja, Mini Indy, and Super Mileage. While we are yet to break into the top 10 in any of these competitions, performance was markedly better than last year. Also, we were one of only two universities that competed in all three of these contests.

Sometimes proximity and familiarity can lead people to undervalue local institutions compared to ones farther away. This can be the case with universities. Under the headline “Bright Flight,” a recent front-page article in the Advocate described how some of Southern Louisiana’s brightest high school students were electing to pursue undergraduate studies outside the state. In Mechanical Engineering, this is generally not a good choice.

While certainly there are other universities that have more nationally publicized ME departments than LSU, the mechanical engineering education offered at LSU is second to none in my opinion. Having just come from a reasonably well recognized engineering school (Carnegie Mellon, usually ranked in the top ten), I can attest to this. Carnegie Mellon justly prided itself on its teaching compared to other engineering schools that are primarily interested in research. Even so, I believe mechanical engineering education is better at LSU for two reasons. First, while Carnegie Mellon still has some fine teachers, on average the faculty here at LSU are better teachers. They are more committed to student learning and more competent at realizing this objective. Second, Carnegie Mellon has a flexible curriculum which students like but results in the most popular senior elective being Weight Lifting. LSU students have a more stringent curriculum and consequently typically learn more. Furthermore, Carnegie Mellon is not alone amongst universities in having such permissive curricula. All told then, LSU offers an ME education which is at least comparable if not superior to that offered at more publicized universities. And it does this at a fraction of the tuition cost. So perhaps any Louisiana high school student going to an out-of-state university would be more appropriately described by an article on “Not So Bright Flight.”

Here is a reason why ME at LSU lacks the prestige of some other mechanical Engineering departments. Rankings of ME departments typically reflect research rather than education, and a number of other universities have been more heavily involved in research over a far longer period than ME at LSU. However, times are changing. Research dollars are up by a factor of 4.7 in the last decade so that now ME at LSU has the highest per faculty funding in the College of Engineering, and a comparable level with ME departments at many research universities. Comparison research productivity is up by a factor of 6.1, and citations of this research up by a factor of 8.8, in the same period. This number of citations is also currently the highest in the college and comparable with many, more-established, research universities. Unfortunately it just takes time for the good news to get out.

On a personal note, I really enjoyed my first full year here at LSU. I look forward to working with faculty and students this year as we continue to strive to excel in both education and research.

Glenn Sinclair
Chair, Richard J. & Katherine J. Juneau Distinguished Professor
ME SENIORS AID PHYSICALLY CHALLENGED THROUGH PROJECT

Wheelchair-bound Chad Ferrand now has more mobility around rough surfaces and uneven terrain thanks to seniors Rob Fraser and Cordelle Seals. The two men have fabricated a golf cart that Ferrand can easily access and use to travel during outings with family and friends. Ferrand proposed the idea of a wheelchair accessible golf cart to the Mechanical Engineering Department in Fall 2001. The project was accepted, and Fraser and Seals began working with Guoqiang Li, assistant professor of research, and Su-Xiong Pang, Jack Holmes Professor of Engineering, serving as their faculty advisors. The project was part of the Senior Design Project class offered by the Mechanical Engineering Department. Other projects included the Mini-Indy and the Mini-Baja. This project’s three main goals were to make a simpler way for Ferrand to get on the cart, to keep Ferrand secure on the cart during travel and for Ferrand to safely exit the cart. Carts have been made in which wheelchair-bound people can ride, but this is the first cart made that a wheelchair-bound person can drive.

One obstacle encountered while modifying the cart was the inadequate length for a wheelchair on the floor of the cart. An additional 44" of length was necessary to compensate for the wheelchair. The seats were not removed because Ferrand has an attendant with him at all times, so a seat is necessary, and the seat houses the battery. Also, Ferrand’s wheelchair is not able to climb inclines greater than 35 degrees, so the two designers built a ramp with an incline of 20 degrees. Safety tie-down straps and side ramps were used to ensure that Ferrand’s wheelchair would not roll off or topple over during motion. After solving minor obstacles, all goals were met by the project designers.

DEPARTMENT NEWS

Ramachandra Devireddy, assistant professor, has been invited to present two lectures at the NATO Advanced Study Institute on Low Temperature and Cryogenic Refrigeration: Fundamentals and Applications to be held June 23–July 5, 2002, in Izmir, Turkey. The topics of his lectures are “Cryobiology: Recent Advances and Future Challenges” and “Differential Scanning Calorimetry of Cells and Tissues During Freezing.”

Efstathios Melissas, Gerald Cire and Lena Grand Williams Endowed Professor, presented a seminar on “Functionally Gradient, Multi-functional and Self-organized Nanocomposite Thin Films and Surface Layers,” at the Texas Center for Superconductivity, University of Houston on May 3.

Wen J. Pang has been promoted with tenure to the rank of associate professor.

Su-Xiong Pang, Jack Holmes Professor of Engineering and associate vice chancellor for strategic initiatives, has been elected Fellow of the American Society of Mechanical Engineers. Fellow is the highest grade of membership of the ASM E. The award acknowledges his outstanding achievements and contributions to the engineering profession. At the 2002 ASM E Engineering Technology Conference held in Houston on April 3–5, Pang was also recognized with his fourth consecutive Frank Walk Award. He has served as chair and vice-chair on several ASM E committees in addition to reviewing technical papers for the ASM E Journal and conferences.

Harris Wong gave a seminar titled “Capillary Driven Motion of Solid Thin Films” at the University of Berkeley on April 2, 2002. He has been promoted with tenure to associate professor.
H. Dwayne Jerome, assistant professor, received his Ph.D. in 1999 from LSU. His area of specialization is composite materials.

Dorel Moldovan, assistant professor, received his Ph.D. in 1999 from West Virginia University. Composite materials is his area of specialization.

Muhammad Wahab, assistant professor, received his Ph.D. in 1984 from University of Alberta, Edmonton, Canada. His areas of specialization are fatigue and fracture mechanics, computational plasticity, modeling of welding processes and welded structures, solid mechanics, and stress analysis.

WELCOME TO LSU

William R. Downs is retired from Douglas Aircraft, where he worked for 41 years. He enjoys aircraft restoration, church, writing, and golf. He resides in Rancho Palos Verde, California.

Gordon Weaver Hargis is a retired TWA Captain and U.S. Air Force Colonel and resides in Ft. Worth, Texas. He enjoys flying and reading aviation publications and is a amateur radio operator.

Franklin Willis Fidler is retired from Plantation Pipe Line Co. and he is currently residing in Carrollton, Georgia. He enjoys fishing and traveling.

Franklin Bryant Anderson is retired from Fish Construction, Inc. and remains president and chairman of the board.

Victor A. Walter is retired from Fish Engineering and Construction. He resides in Missouri City, Texas.

Hector De La Puease is retired from Aerospace Corp. He is a resident of Santa Monica, California.

Hubert Edward Noble is a retired U.S. Army Colonel and resides in Leesville.

Norman Deumite

Norman Deumite, a native of Oberlin, was selected as a 2001 LSU Alumni Association Hall of Distinction honoree. While at LSU, he was a member of the football team 1953-54. In 1978, he founded Maker Maintenance and Construction, Inc., and remains president and chairman of the board. He also founded North American Constructors, Inc., Southern Security Services, and Plactic Technologies, Inc. Additionally, he serves a member of the board of directors of the Tiger Athletic Foundation and is involved with many other organizations. Deumite has also received the LSU Football Coaches Award and was elected to the LSU Athletic Department Hall of Distinction.

Bert S. Turner

Bert S. Turner and his wife, Sue, were honored on October 26, 2001, by the LSU Foundation for their lifetime contributions.

Carl Stivers

Carl Stivers served on the LSU Alumni Association Board of Directors for the year 2001 and resides in Morgan City.
Marvin M. “Mickey” Christensen (M.S. 1965) is a consultant with TQM Systems in Baton Rouge. He retired in 1993 from Dow Chemical.

Richard S. Serpas retired in 1995 after 32 years of service at NASA. He currently resides in Houston, Texas.

Stephen M. Mason was recently awarded an M.B.A. from the Harvard Business School, where he also received the Dean’s Award for leadership and service. He will be joining the Washington, D.C. office of McKinsey & Company, an international management consulting firm in 2002.

Bruno Lozano is now a process equipment engineer at John Deere Harvester Works. He resides in Rock Island, Illinois.

David Rushing works at a systems engineer associate for Lockheed-Martin in Marietta, Georgia.

IN MEMORIAM

Lawrence Richard Daniel, Jr. (1922-2002) passed away June 23, 2002, in Baton Rouge. Daniel received his bachelor’s degree in 1943 from LSU and Ph.D. in Michigan State University. He joined the Louisiana Tech faculty in 1948 as a mechanical engineering professor. In 1962, he became head of the LSU mechanical engineering department, where he was responsible for creating the mechanical engineering doctoral program, revising the curriculum to enhance laboratory experiences, and initiating a partnership with NASA, resulting in the NASA Research Initiation Support Program. He was an American Society of Mechanical Engineers (ASME) fellow and member of several professional organizations including the American Legion and Knights of Columbus.

Driven by his passion for academics and for promoting the academic spirit at LSU, he continued to teach after his retirement in 1985, donating his salary to the establishment of the L.R. Daniel Jr. Distinguished Professorship. The first $100,000 endowed fund was awarded in 1990, but contributions from family and friends continued. By the year 2000, the fund had reached the level of $200,000 and therefore, changed to the L.R. Daniel Distinguished Professorship. Contributions have continued to the College of Engineering in his memory and have been utilized to build his distinguished professorship.

Daniel is survived by his wife of 48 years, Mary Danos Daniel, three children (all LSU alumni) and six grandchildren.

The Mechanical Engineering Department and LSU has lost a founder, major benefactor, and pillar to the department. We will all miss him dearly.
FROM THE CHAIR

The Craft & Hawkins Department of Petroleum Engineering has continuously served this economic sector by providing professional education and high quality training to meet the need for engineers, managers, and researchers. The department has also been a regional center for advanced education, research, and technology transfer. These activities have, and will continue to, enhance the level of technologies used to safely drill for and efficiently produce the state's oil and gas resources.

Future planned activities include:

- Increase the Research and Technology Transfer activity at the full scale Well Facility. This facility will support two areas: well control and blowout prevention; and offshore/deepwater drilling, completion, and production activities.
- Create and maintain a Research and Technology Transfer Laboratory for improved recovery technologies.
- Create and maintain a Research and Technology Transfer initiative in geological/geophysical/engineering reservoir characterization.

Zaki A. Bassiouni
John W. Rhea Jr. Professor of Engineering & Chevron Endowed Professor of Engineering

THE OIL AND GAS INDUSTRY is one of the leading industries in Louisiana and has direct and indirect impact in excess of $92 billion on the state economy. Louisiana, when combined with the federal offshore, is the number one producer of oil and the number two producer of natural gas in the country.

The Craft & Hawkins Department of Petroleum Engineering has teamed up with the Randy Smith Training Schools (RSTS), a leading worldwide provider of technical, management, and water-based safety training. The partners have reached an agreement whereby RSTS will offer its customers live well control training for the prevention of oil and gas well blowouts conducted by LSU's Petroleum Engineering Research and Technology Transfer Laboratory to complement RSTS training. This training emphasizes hands-on control of water and natural gas kicks in actual well kick behavior, practice using rig equipment and confidence when implementing well control procedures.

PETE AND RANDY SMITH TRAINING SCHOOLS PARTNER TO PROVIDE TRAINING
ALUMNI NEWS

1950
John J. Daigle resides in Lafayette. He is currently retired and enjoys playing golf.

1950
James D. Stahl is retired from Pennzoil Co. He resides in Sugarland, Texas.

1955

1972
Jerry Shea, Jr., was inducted into the LSU Alumni Hall of Distinction in 2001. He is president of both Bayou Management Service L.L.C., in New Iberia, Louisiana, and Bayou Coating L.L.C., in Baton Rouge. He and his wife, Beverly, live in New Iberia.

Ludwicク Cook
Ludwicク Cook served on the 2001 Board of Directors for the LSU Alumni Association.

1956
Ernest Angelo, Jr., is currently a managing partner at Discovery Exploration. He was appointed by George W. Bush as vice chairman of the Texas Parks and Wildlife Commission and served as Republican National Committeeman for Texas from 1976-1996. He enjoys hunting and fishing and is a father of four and a grandfather of six.

Billie Joe Hughes resides in Hollister, Missouri. He is retired from Texaco and is the owner of Alpenrose Inn in Branson, Missouri. He enjoys gardening, sports and talking to visitors in Branson.

1983
Raymond Joseph Ballatore is the senior fire protection engineer at Schirmer Engineering Corp. He is a resident of Richardson, Texas.

1986
Spencer W. Turpin III is regional vice president with Conpro Co, Inc. He currently resides in Houston, Texas.

2002
Marcel P. Tullier is a drilling engineer with Conoco, Inc. in Houston, Texas.

DEPARTMENT NEWS

Zaki Bassiouini, John Rhea Jr. Professor, Chevron Endowed Professor of Engineering, and department chairman, has been recognized for 25 years of service to LSU.

IN MEMORIAM

1941
Dalton John Woods
Dalton John Woods, a native of Crozet, Arkansas, and a resident of Shreveport, passed away October 14, 2001, after a struggle with cancer. Woods served as CEO of D'wood Corporation and Woods Operating Co, Inc. He is a past member of the LSU Board of Supervisors and past chairman of the LSU Foundation in Shreveport. He has received the LSU Foundation President’s Award for lifetime support, and he was honored as Alumnus of the Year 2000 by the LSU Alumni Association.

1949

1950
Richard B. Buron passed away January 23, 2002, in Tyler, Texas, at the age of 75. He grew up in Shreveport and was a retired manager of drilling operations for Placid Oil Company in Dallas. He is survived by his wife Jackie Buron, a son, R.B. Buron, and a daughter, Mary Buron. He was a resident of Mineola, Texas.
The past year has been a great year for development in the College of Engineering highlighted by:

- The $7.5 million pledge by Gordon Cain ($2.5 million will fund a communications project for engineers and scientists);
- Over $1 million from ExxonMobil and its employees; and
- 14 new or expanded professorships during the first six months of 2002.

They are detailed below.

Five more donors have upgraded their professorships during the past year from the $100,000 level to the $200,000 level or more. There are now 32 distinguished professorships endowed for $200,000 to $1,000,000 each, for a total of about $12,000,000. In addition, there are 66 professorships endowed for $100,000 or more for a total value of about $8,500,000. Earnings from these professorships provide a salary supplement for those professors allowing the LSU College of Engineering to secure and keep top level faculty.

Edward J. Steimel
Director of Development

Before his death in October, LSU engineering alumnus and Rayville native, Gordon A. Cain, pledged $7.5 million to the University. $2.5 million of which will fund a Communications Project for engineering and science students. The pledge was made with the idea of increasing LSU’s ability to produce highly qualified scientists and engineers to serve Louisiana. Hailing from a total of $21 million, Cain and his widow, Mary, are the leading philanthropists of LSU.

Cain’s latest pledge will establish the Cain Science Challenge for Louisiana to support K-12 science, mathematics, and technology studies. Another part of the donation will go toward the expansion of the Center for Scientific and Mathematical Literacy, which will be renamed the Gordon A. Cain Center for Scientific and Mathematical Literacy. This expansion will create a mobile science center to benefit Louisiana science teachers and the $3 million Gordon A. Cain Chair in the center. An additional portion will be used to establish the Gordon A. Cain Communications Project. This project’s purpose is to develop written and oral communication skills of future engineers and scientists. His donation is establishing a Biotechnology Education for Students and Teachers Program at the LSU Agricultural Center. This will offer Louisiana’s top high school teachers and students the opportunity to participate in summer study programs at LSU and provide for undergraduate, graduate and postdoctoral science training programs at LSU.

Cain, a 1933 graduate in chemical engineering, received an honorary Ph.D. and was awarded the LSU Foundation President’s Award for Lifetime Support in 1993 and the LSU Alumni Association’s Alumnus of the Year award in 1989. Cain was inducted into the Engineering Hall of Distinction in 1992. In 1998, the Department of Chemical Engineering was named the Gordon A. and Mary Cain Department of Chemical Engineering to reflect the Cains’ significant gifts to the department.
### EXXONMOBIL AWARDS $250,000 TO COLLEGE OF ENGINEERING

ExxonMobil Executive Vice President Harry Longwell announced that the corporation will be donating $250,000 to the College of Engineering over a five-year span to establish a scholarship program and to support minority engineering students. The scholarships are given to those who rank in the top 25 of their high school class and have scored at least a 26 composite on the ACT. Priority will be given to underrepresented minority applicants.

The LSU Foundation has worked closely with ExxonMobil and Truman Bell of the ExxonMobil Foundation over the past few months to establish the scholarship. “The College of Engineering appreciates the strong support it continues to receive from ExxonMobil,” said Dean Pius Egbelu. “The relationship between the college and ExxonMobil is a model of what true industry-university partnerships in education should be. This gift is a reconfirmation of that partnership.”

### EXXONMOBIL MATCHES EMPLOYEES CONTRIBUTIONS

The ExxonMobil Foundation presented LSU with a check for $805,951 on June 5, 2002. The total represents the three to one match that the company makes on behalf of its 250 employees, retirees, spouses and directors who donate to the university throughout the year. This year’s employees and affiliates total donation of $307,659 added to the company match brings the total amount given to $1,213,610.

“Most of the gift and matching funds become permanent assets of the University through endowments. More than 150 endowed professorships and scholarships are being funded by ExxonMobil employees and retirees who obtain matching gifts,” said LSU Foundation President Cecil Phillips.

### NEW PROFESSORSHIPS

The year 2002 started off with a bang. In January alone, the equivalent of 12 $100,000 professorships were established. Some of them, anticipated in the Fall 2001 Engineering News, were erroneously reported as four professorships from the Roy Paul Daniels bequest. In fact, became the equivalent of seven $100,000 professorships. Professorships secured in 2002 include:

- **Paul M. Daniels’** bequest, each for $121,361.00.
- **Robert D. & Adele Anding** Professorship in Chemical Engineering. Each for $121,361.00.
- **Annie E. Anding** Professorship in Materials Science and Engineering. Each for $121,361.00.
- **F. Hugh Coughlin** CLECO Distinguished Professorship in the Department of Electrical and Computer Engineering. Each for $121,361.00.
- **Women in Science and Engineering** Development Professorship. Each for $121,361.00.
- **F. Hugh Coughlin** Endowed Professorship. Each for $121,361.00.
- **Roy D. Daniels’** bequest, each for $121,361.00.
- **Robert B. Voiries** Professorship. Each for $121,361.00.
- **Paul M. Horton Memorial Professorship.** Each for $121,361.00.

The LSU Foundation presented ExxonMobil with a check for $805,951 on June 5, 2002, representing the three to one match of the company’s contributions. The check was presented to LSU by ExxonMobil Executive Vice President Mark Emmert, ExxonMobil Executive Vice President Harry Longwell, and President William Jenkins.

The check was presented to LSU by ExxonMobil Executive Vice President Mark Emmert, ExxonMobil Executive Vice President Harry Longwell, and President William Jenkins.

Since 1962, the ExxonMobil Gift Matching program has provided more than $250 million in matching funds to promote higher education in the United States.
NEW PROFESSORSHIPS

Daniels graduated from LSU in 1926 with a bachelor's degree in chemical engineering. He served as director of laboratories at the Gulf Oil Corporation Refinery in Port Arthur, Texas.

Elaine T. & Donald Cecil Delaune Distinguished Professorship in Electrical and Computer Engineering was initiated by the Elaine & Donald Delaune's funding of the second half of a $200,000 Distinguished Professorship, which they expect to complete in 2003.

Clarence M. Eldit, Jr. Professorship was established in June 2002 with an initial gift match by Exxon-Mobil Education Foundation. Eldit has already completed a $200,000 Distinguished Professorship, and this latest gift will either begin a new professorship or be added to his distinguished professorship, at his discretion. Eldit, a 1962 graduate of LSU's chemical engineering department, served many years as a member and chairman of the department's advisory council. He retired in 1998 as president of Exxon Research and Engineering.

Ernest R. and Iris M. Eldred Professorship in Petroleum Engineering has been created by the Eldreds. Ernest Eldred is both an alumnus of petroleum engineering and the LSU Law Center, where the couple also created a professorship. Upon completing his studies in 1962, he began representing the State of Louisiana as a private contract attorney, during which he aided the state in recovering more than $275 million in royalty payments. After 43 years in practice, he retired in 2001 and published the book "Louisiana Landowners Oil and Gas Handbook."

Dr. Fred H. Fenn Memorial Professorship of Engineering was established by Richard and Betty Fenton in memory of Fenn, who served from 1957 to 1963 as dean of the College of Engineering. Richard Fenton earned his bachelor's degree in electrical engineering in 1936 and his master's degree in the same field in 1939. In 1939, he joined the LSU faculty teaching engineering mechanics until 1946, when he went to work for Standard Oil Company. After 34 years, he retired from Exxon. Betty Schneider Fenton earned her bachelor's in arts and sciences from LSU in 1946, and she served the Delta Zeta sorority for 30 years, including nine years as a national officer.

Ernest W. & the M. Eldred Professorship in Electrical Engineering was begun by adding the fourth $100,000 contribution toward the Distinguished Professorship begun by Mr. & Mrs. Gerald Cire Eidt, Jr. Professorship in Mechanical Engineering was begun in June 2002 to fund a $1 million endowed chair in his memory which supports an eminent scholar in the offshore petroleum technology area. She also contributed to the R. "Phatz" Sullins Memorial Fund to support expansion and maintenance of the R.S. Sullins Chair of the Department of Offshore Petroleum Technology Center. The College of Engineering and Craft & Hawkins Department of Petroleum Engineering are deeply saddened by the loss of such a wonderful benefactor. The Sullins' name will live on in the college for years to come.

IN MEMORIAM

Lucille W. Sullins, wife of the late Roy S. Sullins, died October 16, 2002. Prior to her death, Sullins created a charitable remainder trust to fund a $1 million endowed chair in her husband's memory which supports an eminent scholar in the offshore petroleum technology area. She also contributed to the R. "Phatz" Sullins Memorial Fund to support expansion and maintenance of the R.S. Sullins Chair of the Department of Offshore Petroleum Technology Center. The College of Engineering and Craft & Hawkins Department of Petroleum Engineering are deeply saddened by the loss of such a wonderful benefactor. The Sullins' name will live on in the college for years to come.
**NEW SCHOLARSHIPS**

**Nordine and Henry Arnaud**

Henry & Nordine Arnaud Scholarship in Petroleum Engineering was established at $15,000 by the couple's two daughters and their families to honor Henry and Nordine Arnaud from Arnaudville. Henry Arnaud received his bachelor's degree in petroleum engineering from LSU in 1949. Arnaud worked for Union Oil and enjoyed drilling in the Gulf of Mexico. The scholarship recipient must be a junior or senior with at least a 2.70 grade-point average. Preference will be given to students who are employed part-time for a minimum of 10 hours per week. The scholarship has been established to reward petroleum engineering students from the Acadia parish.

**Zaki A. Bassouni**

Zaki A. Bassouni Scholarship in Petroleum Engineering was established in the amount of $20,000 by Frederick E. Beck, Randy Limbaucher, and William H. Stone to honor Zaki A. Bassouni, chairman of the Craft and Hawkins Department of Petroleum Engineering, who has served the University since 1977. Stokes & Spiehler–J.R. Spiehler, Jr. Endowed Scholarship in Petroleum Engineering is funded by Stokes & Spiehler in the amount of $50,000 to honor J.R. Spiehler, Jr. The recipient of this scholarship must be a full-time LSU undergraduate student enrolled in petroleum engineering.

**Lester C. Gerard, Jr.**

Lester C. Gerard, Jr., 1949 chemical engineering graduate, passed away on January 25, 2002, and left four insurance policies, with proceeds totaling $70,725, to the LSU College of Engineering for the Gerard Family Undergraduate Scholarship. Gerard received both his bachelor's and master's degrees from LSU. He served in the Army and worked in the Coast Guard Auxiliary in North Carolina and Delaware. Gerard was a member of the American Institute of Chemical Engineers. After 31 years, he retired as senior chemical engineer with DuPont and is survived by his wife Miriam Gerard.

**ALUMNIUS LEAVES INSURANCE POLICIES TO LSU**

**CHARITABLE GIFT ANNUITIES**

In today's economic environment, you may want to consider the advantages of charitable gift annuities with the LSU Foundation. You may designate the College of Engineering or any of its departments as the recipient. You may also designate the gift for any specific purpose—professorship, scholarship, laboratory, or unrestricted. By creating a gift annuity you can take advantage of these and other benefits:

- Income payments for life
- Partially tax-free income
- Current charitable income tax deduction
- Survivorship agreements are available
- Support the future of LSU

Send this coupon today for more information.

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Baton Rouge, LA 70808

OR email us at sharma2@lsu.edu

Name ________________________________

Address ________________________________

City/State/ZIP _____________________ Phone _____________________

Date(s) of Birth _____________________

[Image of a form for charitable gift annuities]
The College of Engineering wishes to thank all alumni who have contributed to the Alumni Endowment Campaign. With your help, the drive has exceeded $1.6 million to date. The contributions helped to provide scholarships and fellowships to engineering students, purchase and maintain the latest equipment, and provide professional development activities to bright, talented faculty members.

Beginning this fall, the College of Engineering will initiate the Alumni Annual Fund. As in the past, pledges of $25 to $2,000 over a period of five years, including company match funds, will be requested through efforts such as mass mailings and telemarketing campaigns.

- All contributions, regardless of size, are recognized in the college’s annual newsletter, Engineering News.
- Alumnus and friends who contribute $1,000 or more annually, will be added to the Engineering Dean’s Council and will be recognized at an annual social hosted by Dean Pius Egbelu.
- Pledges of $2,000 or more will be specially recognized with an embossed metal plate in the College’s Hall of Honor located in the west entrance hallway of CEBA.

Below is a listing of donors who pledged $2,000 or more to the 2001-2002 Alumni Funds:

<table>
<thead>
<tr>
<th>Donor</th>
<th>Department</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>Armand Salvador Abay</td>
<td>CHE</td>
<td>1976</td>
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<tr>
<td>Dennis J. Alexander</td>
<td>ECE</td>
<td>1968</td>
</tr>
<tr>
<td>Marion Paul Broussard</td>
<td>CHE</td>
<td>1949</td>
</tr>
<tr>
<td>Michael W. Burcham</td>
<td>CHE</td>
<td>1993</td>
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<tr>
<td>Charles Otto Childress</td>
<td>PETE</td>
<td>1948</td>
</tr>
<tr>
<td>George Allen Daniels</td>
<td>CHE</td>
<td>1963</td>
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<tr>
<td>R. Lee David</td>
<td>CEE</td>
<td>1949</td>
</tr>
<tr>
<td>Edward G. Galante</td>
<td>Friend of the College of Engineering</td>
<td></td>
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<tr>
<td>Chad M. Michael Hadaway</td>
<td>ECE</td>
<td>1999</td>
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<tr>
<td>David Thompson Harvey, Jr.</td>
<td>ECE</td>
<td>1958</td>
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<tr>
<td>Neil H. Klock, Jr.</td>
<td>PETE</td>
<td>1960</td>
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<tr>
<td>John Patterson Lester, Jr.</td>
<td>ECE</td>
<td>1984</td>
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<tr>
<td>Joseph Earl Landry</td>
<td>CHE</td>
<td>1966</td>
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<td>Dana Gerald McCarty</td>
<td>PETE</td>
<td>1941</td>
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<td>Coleman Lillie M. C.</td>
<td>CHE</td>
<td>1943</td>
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<td>Freeman Louis Morgan, Jr.</td>
<td>CHE</td>
<td>1954</td>
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<td>James Noel Morris, Jr.</td>
<td>CHE</td>
<td>1964</td>
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<tr>
<td>Daryl Andrew Pope</td>
<td>M.E.</td>
<td>1989</td>
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<tr>
<td>Paul Emil Purser</td>
<td>Aeronautical</td>
<td>1939</td>
</tr>
<tr>
<td>Bruce Alan Smith</td>
<td>PETE</td>
<td>1987</td>
</tr>
</tbody>
</table>

"For the many friends and alumni who remembered us in the first fiscal year in gifts and other forms of direct support, I would like to sincerely thank you for your generosity. Without your support, we would not be able to develop some programs, which we consider vital for a 21st century engineering education. Your support made a big impact on both students and faculty. To those who are yet to give, I invite you to join us in the partnership to make engineering education at LSU the best it can be. The right time to help is now." - Dean Pius Egbelu
ALL DONATIONS

Development Activities

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Development Activities

THANK YOU FOR YOUR CONTINUED SUPPORT!
LOST ALUMNI

We need your help in locating the alumni listed below. The following list includes lost alumni who graduated from 1980 to the present. For a complete list of missing graduates, please refer to the lost alumni homepage via the College of Engineering website www.eng.tamu.edu/.

We would like to send our Engineering News to all alumni. If you have contact information on any of these graduates, please call 253/578-7056; write to College of Engineering, Lost Alumni, 3304 CEBA Building, Baton Rouge, LA 70803; email tammy@eng.tamu.edu, or fax 253/578-4854.
The Louisiana Army National Guard’s 769th Engineer Battalion, headquartered in Baton Rouge, Louisiana, was activated and deployed to Afghanistan over the summer and fall of 2002. It is the largest Army National Guard mobilization effort nationwide since the attacks of September 11. Among the 500 soldiers deployed from the 769th are LSU students, alumni, and supporters who have put their lives on hold to serve their country.

The 769th Engineer Battalion supplied three of its four companies to the Operation Enduring Freedom effort. Charlie Company, based out of Gonzales, Louisiana, is stationed in Kandahar, Afghanistan. Headquarters and Alpha Company, based out of Baton Rouge and Baker, Louisiana, respectively, are stationed in Bagram, Afghanistan.

As a combat-heavy battalion, the 769th conducts various combat construction missions, including but not limited to building large facilities and base camps, as well as producing new roads, highways, and bridges. The 769th has already built five large-scale administrative buildings, numerous guard towers, miles of road, and more than 100 tent pads. They are also performing dangerous land-mine clearing operations.

Students from LSU’s College of Engineering are putting their knowledge into practice as a part of the 769th Engineer Battalion stationed in Bagram, Afghanistan, for Operation Enduring Freedom. The soldiers pictured are all LSU students. Only degrees in the College of Engineering have been listed. From left to right: Sheldon Perkins, Ron Tetzlaff, Jackie Bronson, Rhett Schenaydre, Nicole Townley, Charles White (electrical engineering), Jeremy Prince, Josh Anderson, Carroll Ware (construction management), Adam Agosta, Rick Allison, Damon Hall (chemical engineering), Damian Irwin, Michael Hay (construction management), Kanyakta Moncre (mechanical engineering), Christopher Agosta (environmental engineering), Lakeisha Charles, Christopher Waguespack (mechanical engineering), and Howard Bushey III.