

Ted Bourgoyne...Gone Fishing



Ted now enjoys the good life—fishing for “reds” and spending time with his grandchildren. Of course, he is still an active consultant for Bourgoyne Enterprises, Inc.

After almost 30 years of service to LSU, **Adam T. Ted Bourgoyne, Jr.** retired December 17, 1999.

Bourgoyne served as the chair of the Department of Petroleum Engineering from 1977 until 1983. He served twice as acting dean of the College of Engineering from 1986 to 1987 and from January to July 1997 when he was appointed dean. He held the Campanile Professorship in Offshore Mining and Petroleum Engineering from 1982 to 1999.

Bourgoyne earned the B.S. and M.S. degrees from LSU, both in petroleum engineering, and the Ph.D. in petroleum engineering from the University of Texas at Austin. He is married to the former Kathy Daspit, and they have six children, all graduates of LSU. Two, Darryl and Tammy, earned a total of five degrees in petroleum engineering.

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Jeremy K. Edwards Joins Faculty

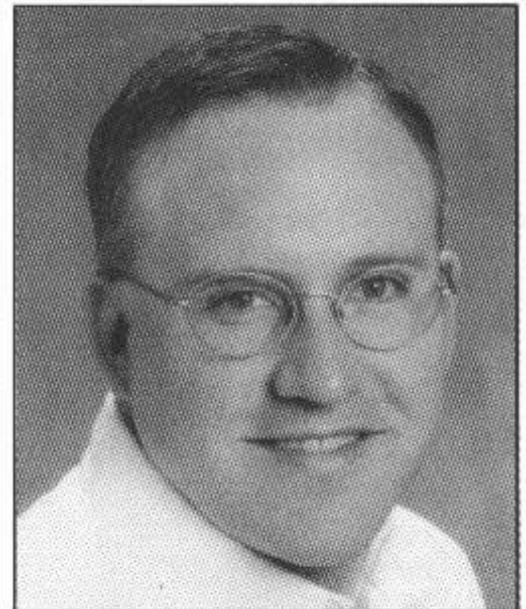
Less than two weeks after his doctoral defense, Dr. (to be) Jeremy K. Edwards accepted a position of tenure-track assistant professor starting November 15, 2000.

Edwards officially received his Ph.D. in mechanical engineering from the University of Tulsa at their fall commencement. He has the background needed by the department to strengthen instruction and research in the areas of production engineering, in general, and computational fluid dynamics in particular. Edwards will add to the number of our research-oriented faculty, and should increase our joint research effort with the Department of Mechanical Engineering.

Edwards has contributed to teaching activities at the University

of Tulsa, first as graduate teaching assistant, then a part-time instructor, and recently as an adjunct professor in the Department of Mechanical Engineering

He also has two years of industrial experience and has passed the Fundamentals of Engineering examination in Oklahoma. Edwards plans to take the Professional Engineer licensing exam in the near future. In addition, he has been an active participant in the American Society of Mechanical Engineers (ASME), the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), and the National Society of Professional Engineers (NSPE) for six years. His membership application to SPE is pending.



Jeremy K. Edwards

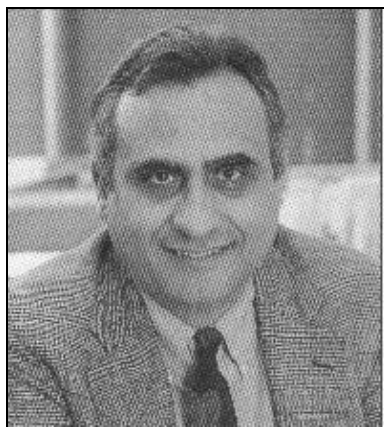
From the Chair

Happy days are here again!! Optimism reigns again in the oil patch. Oil and gas prices are up, our enrollment is on an upward trend, and the industry, which practices selective college recruitment, is back courting our graduates with multiple offers, some of which are in the high \$50s.

The new faculty who joined the department recently launched new research initiatives in the areas of geostatistics and geomodeling, sequestration of carbon dioxide, and special well control problems.

We are working closer than ever with our industry partners. Industry partners are very much involved in the senior and other design projects. Faculty and students seek ideas and mentorship from industry. A panel of practicing engineers listens to the students' preliminary and final project presentations and takes an active part in project outcome assessment.

The department has also articulated its objectives and renewed its commitments to produce engineers who have critical thinking skills, are effective communicators, have been exposed to existing and emerging technologies, have the ability to pursue life-long learning, uphold high professional ethics, and have a commitment to public health, safety, and the environment.



Zaki Bassiouni

However, not all is rosy. We are still facing major challenges to maintain our status as one of the top programs in the nation.

The major challenge is to increase the numbers of our relatively small faculty and attract young, new faculty to make up for the loss of senior faculty to retirement. The department has critical need for specialized staff, space for faculty and graduate students, and support budget.

Yet, as in the past, with the help of our alumni and friends, the department will meet the challenge and continue to fulfill its mission.

Bourgoyne (continued from page 1)

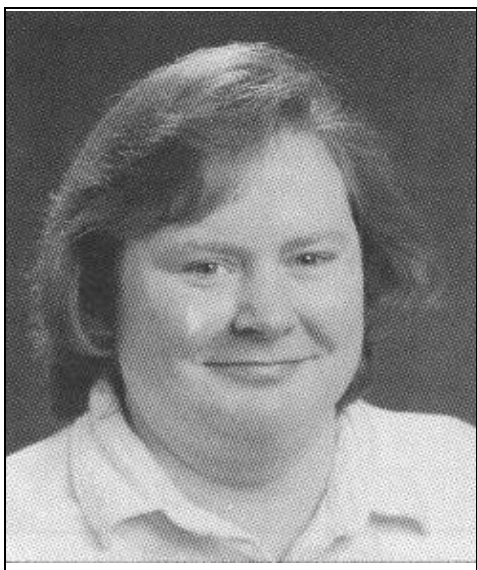
Bourgoyne continues to be a resident of Baton Rouge. He is actively consulting for Bourgoyne Enterprises, Inc.

A retirement party in his honor took place in April 2000. At this gathering of friends and colleagues, he was given a copy of the State of Louisiana House of Representatives Resolution No. 33. The resolution, introduced by Representative William B. Daniel, IV, "resolved that the Legislature of Louisiana does hereby recognize and record the contributions and accomplishments of Professor Emeritus Adam Theodore "Ted" Bourgoyne, Jr., of Louisiana State University, a gifted scholar and educator, and does hereby pay tribute to him for the generous and effective way in which he has dedicated his ability and energy to research, writing, and higher education in Louisiana.

BE IT FURTHER RESOLVED that the Legislature of Louisiana does hereby express to Ted Bourgoyne, upon his retirement from Louisiana State University, its warmest and most heartfelt tribute for his many accomplishments and his invaluable contributions during his tenure of distinguished service at Louisiana State University, and does hereby wish Dr. Bourgoyne the fullest measures of success and happiness in all of his future endeavors."

Staff Spotlight on:

Mary "Janet" Dugas



Mary "Janet" Dugas

A resident of Maringouin, Louisiana, **Mary "Janet" Dugas** served in the U.S. Air Force from February 1990 to November 1993. She was stationed at the Misawa Air Base, Japan, during the first two years of her service.

In December of 1994, Janet joined the LSU Department of Accounting Services and finally in February of 1997, she joined the Craft & Hawkins Department of Petroleum Engineering. Dugas was recently promoted from Clerk Chief 1 to Office Coordinator 1. Her duties include academic support, supervision of student workers, purchasing, and accounting. She assists the faculty

graduate adviser, serves as travel coordinator, handles undergraduate and graduate appointments, handles payroll, and manages the department's website (<http://www.pete.lsu.edu>).

Dugas attends workshops and training courses to stay up-to-date on technology and makes recommendations to the department computer manager regarding purchases of new equipment and software. She has also taken college-level courses in foreign languages.

Dugas has been a wonderful addition to our staff and we appreciate her dedication to the department.

The Craft & Hawkins Department of Petroleum Engineering Campaign Exceeds Its Goal of \$5,000,000

At its October 20, 2000, meeting, the departmental Advisory Committee reviewed the current status of the Craft & Hawkins fund-raising campaign. They concluded that the campaign has exceeded its goal of \$5 million set in 1997 toward renaming the department. The extended family of the Craft & Hawkins Department of Petroleum Engineering expresses its deepest gratitude and appreciation to the leadership team. **Harry Longwell's** guidance of the team and dedication to this effort resulted not only in renaming the department but also in ensuring its future viability and growth.

The advisers also agreed to use the momentum of the campaign to continue raising funds in the four areas identified by the leadership team. Solicitation for the "unrestricted" endowment would continue as in the past. Given the current respectable number of titled, distinguished, and endowed professorships, this area will be de-emphasized, but not abandoned. Emphasis will be put on endowing laboratories. Given the recent positive change in the activities of the industry, we hope that this goal can now be reached. Endowed scholarships are our highest priority area. The plan is to endow 40 scholarships within two years.

Follows is a summary of the pledges and contributions received to date:

Type	Name	Amount
Endowed Chairs (2)	Ocean Energy	\$1,000,000
	Roy S. Sullins	\$1,000,000
Distinguished Professorship (1)	Longwell-Leonard Family	\$ 400,000
Titled Professorships (2)	Mr. & Mrs. Boyd McMullan	\$ 100,000
	Adolph G. Gueymard	\$ 100,000
Fully Endowed Scholarships (7)	Don Ray George CoE President's Tracy Krohn Family Oscar K. Kimbler Memorial Hawkins & Holden Achievement Holden/NACME Francis Falcon Family Craft & Hawkins	\$ 377,584
Partially Funded Endowed Scholarships	Petroleum Engineering Alumni	\$ 98,750
Laboratories and Facilities (3)	Burlington Resources Shell Oil Foundation Roy S. Sullins	\$1,152,084
Unrestricted Fund	Alumni	\$ 425,550
<i>Total Cash Pledged</i>		\$4,555,218
In-Kind Contributions	Schlumberger, Merak, GeoQuest	\$1,137,050
GRAND TOTAL		\$5,791,018

Francis Falcon Family Endowed Scholarship Established



The Francis Falcon Family recently endowed a \$50,000 scholarship in memory of **Francis Falcon**, a 1935 graduate of the department. This generous donation brings the department a step closer to meeting its goal of 40 endowed scholarships.

The recipient of this scholarship must be a full-time undergraduate student in petroleum engineering at LSU. Academic merit and financial need are considered in the selection of the recipient. The inaugural scholarship recipient will be named in fall 2001.

A check presentation and luncheon, held on November 10, 2000, at the Lod Cook Alumni Center, were attended by numerous Falcon family members.

Laura Falcon shares a light moment with Provost Daniel Fogel at the scholarship agreement signing ceremony at Lod Cook Alumni Center.

Longwell-Leonard Family Distinguished Professorship Expanded

The Longwell-Leonard Family Distinguished Professorship, created by Harry and Norma Longwell in 1992 and dedicated for the Craft & Hawkins Department of Petroleum Engineering, has been expanded with a pledge for \$400,000.

Harry H. Longwell, a 1963 graduate in petroleum engineering, is a director and senior vice president of ExxonMobil Corporation, headquartered in Irving, Texas.

Since graduating from LSU, Longwell has established a distinguished career with Exxon, now ExxonMobil Corporation, and he has been a leader in volunteer services to LSU. He has served on the LSU Foundation board of directors, the LSU Campaign Leadership Team, and he has chaired the Craft & Hawkins Campaign. He was named to the LSU

Engineering Hall of Distinction in 1991 and to the LSU Alumni Hall of Distinction in 1993.

The Longwells are both from Louisiana; Harry is from Alexandria and Norma is from Thibodeaux. They have four sons, three of whom are married, and four grandchildren. Two of their sons have graduated from the department, earning B.S. degrees in petroleum engineering. Harry, III, graduated in 1984 and works for ExxonMobil; Paxton graduated in 1986 and is a medical doctor in California.

In addition to the professorship, the Longwells have created a new scholarship fund, the Bill Holden/NACME Endowed Scholarship Fund in the Craft & Hawkins Department of Petroleum Engineering.



Norma and Harry Longwell

Ocean Energy Chair Established

Ocean Energy Inc. of Houston has created the first endowed chair for the Craft & Hawkins Department of Petroleum Engineering. In February, the exploration and production company contributed \$600,000 to establish the new fund which is now eligible for \$400,000 in matching funds under the Board of Regents Support Fund, bringing the principal of the endowment to \$1 million.

Ocean Energy Inc. is an outgrowth of Flores & Rucks, Inc., a firm started in 1985 by **James C. Flores** and **William W. Rucks IV**, both of whom are graduates of LSU. By 1997, the firm had become Ocean Energy Inc. and was the largest oil company in Louisiana.

In 1998, the company moved to Houston and, after several successful mergers, is now one of the largest independent oil and gas companies in the U.S. North American operations are focused in the shelf and deepwater

areas of the Gulf of Mexico, the Permian Basin, and the mid-continent and Rocky Mountain regions. Internationally, the company explores for and produces oil and gas in West Africa (Cote d'Ivoire and Equatorial Guinea), Egypt, Russia, and Indonesia. Ocean Energy also has exploration programs underway in Angola, Pakistan, and Yemen.

Jim Flores is vice chairman of the board of Ocean Energy and is a new member of the board of the LSU Foundation. Another LSU graduate, **John B. Brock III** (B.S. in petroleum engineering, 1954), is on the board of directors of Ocean Energy and was instrumental in the company's gift to LSU. Brock is also a member of the LSU Foundation.



During the academic year 2000-2001, LSU is commemorating the 75th anniversary of its present campus. The Jubilee is an opportunity for LSU to commemorate its past, celebrate its present, and envision its future in the next century. For information on Jubilee events, please click on the Jubilee logo at the LSU website, www.lsu.edu

Gueymard Inducted into LSU Alumni Association Hall of Distinction

On October 13, 2000, the LSU Alumni Association inducted seven individuals to its Hall of Distinction. Membership in the Hall of Distinction is awarded to individuals who have distinguished themselves through service to the University and their communities.

One of the inductees is **Adolphe G. "Dolphe" Gueymard**. "Dolphe" received a bachelor of science degree in petroleum engineering from LSU in 1935. Since then he has been active in the oil business. His professional memberships include the American Petroleum Institute, Society of Petroleum Engineers, American Association of Petroleum Geologists, Houston Geological Society, and the

Houston Museum of Natural Science.

Gueymard currently serves as president of Production Technologies, Inc. He is a veteran of the U.S. Army, having received many military decorations while serving as a major with the 101st Airborne Division during World War II.

Gueymard is a loyal supporter of LSU and the Craft & Hawkins Department of Petroleum Engineering. He currently serves as chairman of the board of Campanile Charities Inc., has served on numerous other boards, and is a past president of the LSU Foundation.

His continuous support to the department culminated recently in establishing a \$100,000 endowment

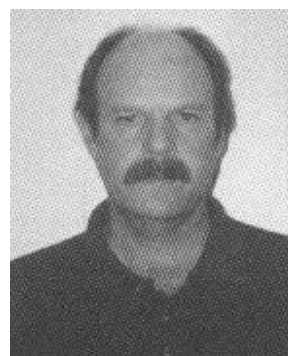
Adolphe G. "Dolphe" Gueymard

Dan Lawrence Joins Department as Research Specialist

With the recent research grant awarded by the Board of Regents and industry partner, Marathon Oil Company, Dan Rao recognized the need to hire experienced personnel with high pressure/temperature experimental systems development operation and maintenance.

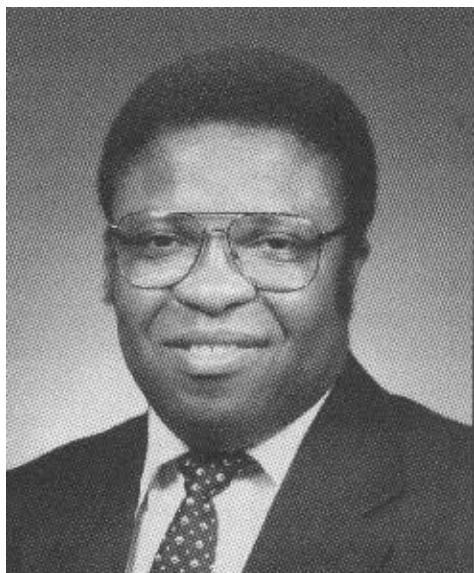
In September, we were fortunate to hire **Dan D. Lawrence** for the research specialist position. He performed these very tasks for a total of 23 years at the Amoco Research Center in Tulsa. He came to us because Amoco recently shut-down its research center.

We welcome him to the department and congratulate him on recently



Dan D. Lawrence

The College of Engineering has a New Dean



Pius J. Egbelu

Pius J. Egbelu has been named dean of the College of Engineering effective August 1, 2000. He succeeded Ralph W. Pike, professor of chemical engineering, who served as interim dean following the retirement of Ted Bourgoyne in December 1999.

Egbelu received his bachelor of science degree in engineering from Louisiana Tech University.

He received a master's and a Ph.D. degree from Virginia Tech University and has taught at Syracuse University and Pennsylvania State University. He also worked for the National Science Foundation in Washington, D.C. He has served as chair of the Department of Industrial & Manufacturing Systems Engineering at Iowa State University for the past four and a half years.

We welcome Dr. Egbelu to LSU.

Faculty Recognitions



Dr. Andrew Wojtanowicz with Dr. Jim Brill and Pam Clark during a meeting at the University of Tulsa.

Andrew K. Wojtanowicz was recently elected technical editor of the *Journal of Energy Resources Technology/Transactions* of the ASME. This key journal is published quarterly by The American Society of Mechanical Engineers. Wojtanowicz' five-year term starts January 1, 2001. He succeeds Jim P. Brill, professor of petroleum engineering at the University of Tulsa.

On February 3, 2000, **Zaki Bassiouni** received the Engineering Faculty Professionalism Award from the Louisiana Engineering Foundation. The citation reads "For the teaching of Engineering Professionalism with skill, knowledge, honesty and integrity, avoiding possible conflicts of interest and giving one's best effort, all while recognizing that the Profession of Engineering is often judged by the performance of a single individual."



Zaki Bassiouni receives a plaque from Bobby E. Price, president of the Louisiana Engineering Foundation.



Dan Rao

Dan Rao received a LEQSF research grant of \$253,779 from the Board of Regents in June of this year. Marathon Oil Company has contributed matching funds of \$174,000 for this three-year project titled, "Enhancement of Oil Recovery by Reservoir Wettability Alteration."

The project aims to develop surfactant-based wettability alteration technology to overcome the interfacial forces that retain nearly two-thirds of the oil in the reservoir during conventional recovery. The new processes utilize experimental techniques and apparatus capable of replicating reservoir conditions.

Dr. Silva, Our First Ph.D., is Doing Fine in Mexico

It was not long ago that the Board of Regents sanctioned the Ph.D. program in petroleum engineering. The department awarded its first Ph.D. in 1986 to **Pedro L. Silva**.

After graduation Silva returned to PEMEX, the national oil company of Mexico. Until 1995, he worked for PEMEX Offshore region as strategic planning submanager, then he moved to Poza Rica City (located in the northern part of the Veracruz State) as the northern region planning manager. In October 1996, he was assigned to the planning and documentation of a big gas project to be implemented in the Burgos Basin close to the border with Texas. He was promoted in 1997 to general manager for the Burgos Project overseeing a budget of more than \$6 billion. Under his watch, produc-

tion increased from 350 MMCFD to 1,000 MMCFD.

In October 1998, he transferred to the Mexico City corporate offices as strategic planning manager for PEMEX Exploration & Production, in charge of approving investment projects and capital allocation for budget purposes. Additionally, he became involved with the Central Planning Committee in redesigning planning processes for the company.

More recently, it became apparent that Mexico should make an effort to increase natural gas production to cope with internal demand and expected growth. The CEO of PEMEX again proposed to Silva to take over the project planning and implementation. This is quite an ambitious program with a \$12 billion dollar budget.

John Sage Wins Outstanding Undergraduate Award

The president of the LSU's Lambda Chi Alpha fraternity, John Sage, recently received the 2000 Cyril F. "Duke" Flad Outstanding Undergraduate Award. This national award is given annually to one collegiate member of the 11,000 members of Lambda Chi Alpha. It recognizes leadership, academics and the values and principles of the fraternity.

The award commemorates Cyril F. "Duke" Flad, the fraternity's second executive director. The first recipient, Fred W. Suggs Jr., described the award in August 1970, when he said, "This award is not intended to primarily honor a personality, but to symbolize a great moral code of conduct and chivalry, which was exemplified by the life of the man for whom it is named -- 'Duke' Flad."

According to the adviser to fraternities, Hagi Bradley, **John Sage** exemplifies these ideals. "John is one who works to make the entire Greek community better," he said. "He is well respected in his fraternity and has made changes internally to make it better." Bradley explained that Sage was very active in helping other chapters by holding regular meetings with sorority and fraternity presidents to discuss the improvement of programming, academics and alumni relations for the Greek assessment.

For Sage, working with the Greek system has offered "a challenge and total leadership opportunity." For his own chapter, Sage initiated an officer review program. The review is a guide for the newly elected officers that describes the duties for each

In Memoriam



Elton G. Yates

Elton G. Yates, a 1957 graduate of petroleum engineering, passed away in March 1999. Upon graduation from LSU he joined Texaco, Inc., where he rose to the rank of senior vice president before retiring in February 1999.

Elton Yates was inducted into the LSU College of Engineering Hall of Distinction in 1993 in recognition of his continued support to the department and the college.

The Hawkins Family Keeps on Cycling



Advocate photo by John Oubre

Julia and Murray Hawkins cycled to their voting precinct in Baton Rouge on October 7, 2000. Julia says she uses her bicycle to stay in shape for the Senior Olympics bicycle race. This photo appeared in the Sunday Advocate, Baton Rouge, October 8.

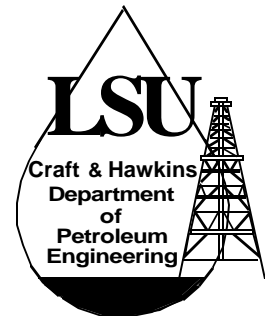
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