An International Mission

Matthew Wilburn King
Research: Bright Ideas

From concept to marketplace, TU’s dedication to research not only fosters quality education, it spurs economic development around the world.
Research: Bright ideas

Research is electricity for ideas. It powers the classroom and lights the path to discovery.

Fueling the economy

Research at TU has an economic impact locally and nationally.

Enhancing the community

These researchers saw community needs and met them.

Engaging students

Research is one of the many ways TU students are encouraged to learn.

We asked, you answered.

Research has become a lifelong endeavor for many alumni.
University dedicates Bayless Plaza

Of many TU graduates get two chances to ring the historic Kendall Bell. But Bernice Bayless (BA ’49) relished her opportunity to do just that during a Sept. 6, 2006, ceremony dedicating the new home for the historic bell.

Her generous contribution helped fund the construction of Bayless Plaza, providing a permanent home for the Kendall Bell, which for the last 75 years has been ceremoniously rung by students completing their last final TU exam. The plaza, located immediately south of Tyrrell Hall and Sharp Chapel, features brick walkways, benches and landscaping. The plaza’s centerpiece is the bell, housed in its bronze cupola surrounded by cast-stone columns.

The Bayless gift commemorates the time Bayless and her late husband, Bob (BA ’49), spent at TU, where the couple met more than 50 years ago as undergraduates. Bernice was a journalism major, the senior class secretary and editor of the Kudlaliburah, while Bob was a management major and senior class treasurer.

Soon after graduating, they married and relocated to New Mexico where Bob built a successful oil and gas exploration business that continues under the leadership of their sons, Bob and Tucker, and sons-in-law, Kevin and Tommy. In addition to their support of TU, the Baylesses also have been great philanthropists and supporters in their hometown of Farmington, N.M.

Bayless Plaza is the first in a series of current construction projects that will transform the southern part of the TU campus and create a formal entrance from 11th Street. Additional projects include an oval drive leading up to the plaza, an expansive commons with a fountain and formal gardens, and Collins Hall, a new alumni and student services building.

TU advances in U.S News rankings

The University of Tulsa has advanced its position among the top 100 national doctoral universities ranked in U.S. News & World Report’s 2007 guidebook, America’s Best Colleges.

The U.S. News & World Report results rank TU 88th out of 248 national doctoral universities. Last year, TU was ranked 93rd among the top 100.

“The University of Tulsa’s continued ascent in the rankings is a welcome endorsement of so much that makes our University exceptional,” TU President Steadman Upham said.

Among the factors that determine the national-doctoral university rankings, TU’s greatest growth was in the percentage of freshmen coming from the top 10 percent of their high school classes.

“The fact that TU continues to enroll such high-achieving freshmen is a very strong indicator not only of our growing reputation, but also of the intellectual vitality that is central to academic excellence, career preparation and college life,” Upham said. “As a growing number of top students make use of our university of choice, this influx of talent is shaping our university in a profound way.”

Upham attributed TU’s strong recruitment record to top-quality academic programs, a student-to-faculty ratio of 11 to 1, an average class size of 19, a distinguished teaching faculty, and enrichment programs, such as the TU Honors Program and Tulsa Undergraduate Research Challenge.

The University also continues to receive national recognition from other college guides, including The Princeton Review’s Best 361 Colleges that recently cited TU as one of the nation for quality of life and eighth in the nation for having the happiest students.

Fall 2006 Snapshot

<table>
<thead>
<tr>
<th>High school GPA</th>
<th>Average ACT</th>
<th>Countries represented</th>
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<td>3.8</td>
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<table>
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<tr>
<th>Total enrollment</th>
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<td>Total undergrads</td>
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<tr>
<td>Total graduate/low</td>
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This year’s freshman class of 660 students represents a 46 percent enrollment increase over last year’s class. These students represent the second-largest freshman class in The University of Tulsa’s history and were selected from a record 2,720 applicants. The largest freshman class in university history occurred in 2004 when 681 students enrolled.

The University continues to attract students who have earned National Merit Scholarships, which are widely recognized as the premier award for incoming college and university students. With the addition of the newest class of National Merit Scholars, nearly one in 10 of all TU undergraduates is a National Merit Scholar.

“With the new freshman class, the Class of 2010, we welcome yet another group of truly outstanding students to our academic community,” said TU President Steadman Upham. “This class meets our enrollment goals in every way: it is geographically and ethnically diverse; it is academically accomplished; and it contains leaders and thinkers who will distinguish themselves and the University.”

The mean high school grade point average of this year’s incoming class is 3.8, which represents an increase from last year’s average of 3.7. Nearly 60 percent of the class was ranked in the top 10 percent of their high school senior class. This year’s class posted an average ACT composite score of 27, which equaled last year’s result. Members of the freshman class represent 28 states and 17 countries.

Total enrollment for TU for fall 2006 was 4,125 students, comprising 2,882 undergraduates and 1,243 graduate and law students.
TU President Steadman Upham joined U.S. Secretary of Education Margaret Spellings in November for a nine-day educational mission to Asia promoting U.S. higher education. The delegation included 12 university and college presidents from across the country participating in high-level exchanges with government and business leaders, education officials, students and the media during stops in Japan, South Korea and China.

“It was an honor to carry the message that TU is truly a university of the world and that it provides myriad opportunities for international students wishing to study in the U.S.,” said President Upham.

The trip was organized and funded by the U.S. Department of Education and the U.S. Department of State’s Bureau of Educational and Cultural Affairs.

Throughout his travels, President Upham provided commentary about the experience at www.utulsa.edu/about/asia2006.html, which also includes official news releases and photos from the delegation’s visit.

Cheryl Matherly, TU’s associate dean for global education, traveled to Asia in January and will be directing a faculty trip this summer to build upon the contacts made by President Upham during his trip.

**TU strengthening doctoral programs**

Last fall, TU President Steadman Upham launched a two-part initiative to strengthen TU’s doctoral programs. The first initiative is the Bellwether Fellowship program, which will create up to 15 awards designed to allow full-time doctoral students to concentrate solely on their studies. The Bellwether Fellowship provides a tuition award of up to 21 hours, a 12-month stipend of $12,000 and free on-campus housing for up to 12 months. The first fellowship awards are expected to be distributed for the fall 2007 semester. The fellowship takes its name from the definition of bellwether, which signifies the leadership these students will provide in their respective disciplines.

The second initiative is the establishment of interdisciplinary research programs to complement graduate teaching and research. During the convocation in September, Upham asked the faculty to explore interdisciplinary research opportunities that would broaden TU’s scholarly activity while still connecting to existing graduate programs. Proposals from faculty are due in the spring, with the programs scheduled to begin this summer.

“These interdisciplinary programs will facilitate new and exciting research by bringing together scholars from several different academic departments to focus their efforts on problems and questions of mutual interest,” Upham said. “It is these kinds of collaborations, coupled with our more traditional departmental-based research, that will nurture graduate education in years to come.”

**TU president showcases photographer of Native Americans.**

TU President Steadman Upham discussed his recent work, The Many Faces of Edward Sherriff Curtis: Portraits and Stories from Native North America, and signed books during a December event marking the opening of an exhibit of Curtis’ work at the Gilcrease Museum in Tulsa. Curtis was an important figure who used his camera and early recording devices to document the lives and culture of Native Americans during the first part of the 20th Century. Upham’s book, which he coauthored with Nat Zappia, presents many never-before-seen images drawn from Curtis’ extensive collection.

**Pedaling to class.**

TU initiated an innovative program allowing students to check out a University-owned bicycle for the fall semester. The bicycles, painted in distinctive Golden Hurricane colors, are used by students to travel on and around campus, minimizing their need for automobile transportation. Excited students in August camped out for several hours for the chance to sign up for the bicycles, which were distributed in less than an hour.
Construction to transform TU campus

TU currently is engaged in major construction projects that will strengthen the support of its academic, athletic and student programs, while also solidifying the University’s commitment to developing a vibrant residential campus experience for students.

The scope of TU’s expansion is far-reaching and encompasses additional student housing, an athletic complex, student services building, library annex, and campus entrance, featuring an extensive plan and green space. The construction projects include:

- **Student Apartments.** Construction of nearly 400 student apartments serving the needs of both undergraduate and graduate students. The largest complex of apartments and townhomes will be along 11th Street, including the Mayo Village Apartments, expected to open in fall 2007. A 96-unit complex for law and graduate students is being constructed east of Keplinger Hall. All units will be one- and two-bedroom apartments with market-quality amenities to meet student needs. These apartments are scheduled for occupancy in 2008.

- **Collins Hall** will consolidate student services, financial aid and admission into one central location. The two-story building will also serve as an alumni welcome center with the Heritage Room to prominently display memorabilia telling TU’s history. Collins Hall – standing as the focal point of the 11th Street entrance – will incorporate both the Thelma Ruth Shaw Alumni Center and Whitney Hall, buildings that previously stood at the site of the new facility. Collins Hall is expected to be complete in summer 2007.

- **Case Athletic Complex.** On the north end of Skelly Field, the Case Athletic Complex will provide facilities to consolidate services to support student-athletes and the football program. The three-story structure will include a football locker room, training room, equipment storage, football offices, meeting rooms, football video production facilities, and Lettermans’ Lounge. In addition, the facility will provide counselor’s offices, private and group study areas, and a computer lab for student-athletes. The project is expected to be completed by summer 2007.

- **Chapman Commons.** A beautiful and welcoming green space within the 11th Street Entrance, the Chapman Commons will encompass five acres of pedestrian walkways and highly landscaped grounds featuring densely planted azaleas and crepe myrtles. New student apartments and townhomes will be located on both the east and west sides of the commons area. Projected completion, fall 2008.

- **Tucker Drive.** As part of the 11th Street Entrance project, Evanston and College Avenues will be converted into Tucker Drive, a new University drive that will encircle the Chapman Commons and Collins Hall. The southern point of Tucker Drive will serve as the University’s main entrance along 11th Street. (See the conceptual drawing on the opposite page.) TU alumnus Arthur E. (Gene) Tucker (BSBA ’51) and his wife Carole made a generous gift to assist with the entrance project and other university priorities. Genave King Rogers Fountain. Set within the Chapman Commons, the Genave King Rogers Fountain will unify the expansive green space with Collins Hall to provide a picturesque introduction to campus. Projected completion, fall 2008.

- **McFarlin Library Annex.** The latest addition to McFarlin Library will add nearly 12,000 square feet for computing and technology resources for students. In addition, this project will allow the restoration of the library’s reading rooms to provide quiet areas for student and faculty study. The two-story addition will be adjacent to the library’s northern face, and it will blend seamlessly into the existing historic structure. Expected completion, 2008.

The physical transformation of TU’s campus during the coming few years will strengthen the University’s efforts to attract the nation’s brightest students and reinforce its position as one of the nation’s top 100 universities.
GEAR UP supports teacher training
Shirley Robards, associate professor of education, is continuing with the GEAR UP Project with annual funding of $159,000 for six years.

GEAR UP provides tutoring to first-grade schools in Tulsa by offering professional development training for teachers; student tutoring for more than 2,000 hours; and a summer institute for students in algebra, geometry and fine arts.

Last summer, 15 teachers participated in a teacher institute focusing on integrating technology in subject areas.

Robards also received an additional $168,000 for a GEAR UP supplemental project for continuing professional development for high school teachers. During the spring 2006 semester, teachers attended monthly sessions for nine hours that focused on using content enhancers and data-driven instruction to improve student achievement.

A Man for All Seasons, and Julia. The younger Zimmermann provided commentary about each film, and answered audience questions.

He came to Tulsa because of his friendship with S.E. Hinton (’79). They met in 1982, when Tim Zimmermann produced the movie adaptation of her novel, Tex.

TU students will enjoy access to top-notch Kravis Film Editing Labs that enable them to shape the look and feel of their films through digital editing. Located in both Phillips Hall and Chapman Hall, the labs feature Intel iMac computers, complete with the fastest chip made so that they can perform several editing tasks simultaneously.

Study examines medical consent for MS patients
Studies have examined how multiple sclerosis attacks the central nervous system, but no one has studied how the disease impacts the ability to give informed consent for medical research.

Until now.

Michael Baso, associate professor of psychology, is the principal investigator for a three-year study of medical consent among people with multiple sclerosis. The study has been awarded a $942,000 National Institutes of Health grant to provide guidelines that can be used to decide which volunteers should not be accepted in a research study. The study also seeks to determine if there are ways to ensure proper consent among participants.

Multiple sclerosis is a common neurological illness with symptoms including forgetfulness, difficulty in problem solving or understanding concepts, slowness in processing information, and difficulty in paying attention and concentrating. Baso’s study is examining whether people with MS are able to render appropriate decision-making regarding research participation.

CBA students shine during national assessment
Nationwide assessments of business students show TU students excelling at historically high levels.

TU undergraduate business students scored in the 90th percentile of all 513 schools participating in the IETS Major Field Test survey during the spring 2006 semester. Students majoring in accounting, finance, management information systems (MIS), and international business and languages (IBL) collectively scored even higher, achieving results in the 95th percentile among all institutions.

Also last spring, TU business students scored highly in the ERI Undergraduate Business Exit Assessment, which involved test takers from more than 160 institutions. These results showed TU ranking second among six self-selected peer institutions, third among comparable universities nationwide and in the top 12% of all institutions participating in the survey.

“These results demonstrate the College of Business Administration’s continued commitment to excellence with our academic programs,” said Dean Gale Sullenger. “Our faculty is committed to developing outstanding programs that achieve results.”

CBA inducts three into Hall of Fame
More than 240 people attended the annual College of Business Administration Hall of Fame induction ceremony Oct. 26, 2006, as three prominent businessmen were added to the august group.

The induction of John H. Williams, King P. Kirkner and Charles C. Stephenson brings to 21 the number of business leaders honored by the college for their achievements.

Williams, a co-founder of the Williams Co., was honored with the Outstanding Business Leader award.

His legacy continues a long history of business accomplishments by the Williams family.

His uncle set the standard for his namesake, John, who co-founded Williams Cos. in 1949 with his brother, Charles P. Williams, and cousin, David R. Williams, Jr. As the successor company to the family-owned Williams Brothers Company, Williams Cos. continued the Williams name and presence as a worldwide leader in the energy industry. During John’s 29-year tenure as CEO, the market value of Williams Cos. increased from $25,000 in 1950 to $465.5 million in 1978. Today, the company is valued at $12.36 billion.

King Kirkner, a co-founder of Unit Corporation in 1963, was recognized as an Outstanding Entrepreneur. Under his leadership, the company has grown from three drilling rigs in 1963 to more than 3,000—more than half the population of Pryor, Okla., where the firm was founded on an oil field. Kirkner retains the company’s CEO in 2001 and as chairman in 2003. He continues to serve as a director of the fourth-largest land drilling contractor in the United States, with $2.4 billion market capital.

Charles Stephenson, another honoree as an Outstanding Entrepreneur, has been in the industry since 1963 when he helped found Vintage Petroleum Inc. An independent energy company headquartered in Tulsa, Vintage enjoyed tremendous growth and in 1990 became listed on the New York Stock Exchange. During his 22-year tenure with the company, Stephenson served as chairman of the board, president and CEO while building the company into a leader in the oil and gas industry. The company was sold in early 2006 to Occidental Petroleum for $3.8 billion.

Also participating in the program were TU President Steadman Upham; College of Business Administration Dean Gale Sullenger; Stree Malcolm, Williams Cos. Chairman, President and CEO; and member of the TU Board of Trustees, who introduced John Williams; Oklahoma Corporation Commissioner Denise Bode, who introduced Kirkner; and Robert Warmack, Chairman and CEO of Capital Advisors, who introduced Stephenson.

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How to survive a robot uprising

U alumnus Daniel Wilson (BS ’59) is making a name for himself by combining the ratcheted world of robotics with pop culture. Wilson managed to find himself in this unique position with the 2005 publication of his first book, How to Survive a Robot Uprising: Tips on Defending Yourself Against the Coming Rebellion. The tongue-in-cheek book seamlessly combines a primer in robotics with a smart, self-aware sense of humor that has appealed to a wide audience.

The book spawned interest in the most unlikely of places—Hollywood. Wilson has been formally attached to the project. A production date has not been scheduled. Last year, a production date has not been scheduled. Last year, Wilson was looking for a way to turn the pop culture discussion on robotics, he has written a book and plans to release a movie. Wilson holds two master’s degrees and a doctorate from the Robotics Institute at Carnegie Mellon University and a computer science degree from TU. He has worked in research laboratories for Microsoft and Intel. In April 2007, Wilson will unveil his second book, Where’s My Jetpack? A Guide to the Amazing Science Fiction Future That Never Arrived.

Wilson, a Tulsa native living in Portland, Ore., also writes a bi-weekly column on robots for Popular Mechanics Online and is working on his third book.

American ambassador hosts TU’s dean, Kuwaiti graduates

U.S. Ambassador Richard LeBaron hosted a reception in Kuwait for a visiting delegation from TU and its Kuwaiti alumni. About 65 guests attended the event on Nov. 3, 2006. Guests of honor from TU included Steve Bellkovich, dean of the College of Engineering and Natural Sciences, and Mohan Kelkar, the Williams Endowed Chair of Petroleum Engineering.

The delegation visited Kuwait for two days as part of a regional tour that also included the United Arab Emirates. The tour was part of an effort to build relations with alumni from the Gulf region. Ambassador LeBaron recognized the contribution of several graduates, including Ahmad Al-Mutair (BS ’56), the first chairman of the Kuwait National Petroleum Company; Dr. Ali Akbar (BS ’56), a renowned teacher and researcher at Kuwait University; Hani Hussain (BS ’71), CEO of the Kuwait Petroleum Corporation; Abdullah al-Roumi (BS ’72), chairman and managing director of Kuwait Oil Tanker Company; and local leaders from major firms, such as Chevron, ExxonMobil, Halliburton, Schlumberger, Parsons and Fluor.

TU dedicates McElroy Prototyping Lab

The new McElroy Prototyping Lab will allow mechanical engineering students to develop working prototypes using world-class standard manufacturing equipment.

The centerpieces of the lab, which was formally dedicated Jan. 9, 2007, are a Computer Numerical Control (CNC) lathe and a CNC mill. The CNC equipment machines components based on electronically developed student designs. This allows students to seamlessly take their designs from concept to functional hardware.

The McElroy Prototyping Lab, located in Kepler Hall, will also employ a technician who will be available to maintain and monitor these complex machines.

Funding for the laboratory and the technician were provided through the generosity of the McElroy family, including TU Trustee Arthur H. “Chip” McElroy II (BS ’85), his wife Sharon (BS ’86), and his sisters and their spouses, Donna and Dave Dutson, and Peggy and Dave Tanner. The family operates Tulsa-based McElroy Manufacturing Inc., which is the world’s leading manufacturer of fusion machines and fin tube machinery.
Law students secure asylum for religiously persecuted man

Two University of Tulsa law students have helped secure asylum for a young man from Eritrea who was persecuted for his religious beliefs.

The students – Rebekah Guthrie and Luis Flores – are law student interns for TU’s Boesche Legal Clinic Immigrant Rights Project, a clinical program in which TU law students represent non-citizens in immigration matters.

Guthrie and Flores represented the man after he had escaped to the U.S. after being persecuted and imprisoned because of his membership in a religious minority and his refusal to abandon those beliefs under threat from his government.

Asylum was granted to the man, who now lives in Tulsa, in February by the U.S. Department of Homeland Security. This was the first final decision reached in any cases handled by the Immigrant Rights Project.

The man was caught praying in an underground Bible study in Eritrea, he was interrogated and ordered to recant his faith by that country’s military officials. When he refused, the man was tortured for more than three months in an effort to force the client to reject his faith.

Ultimately, he escaped and made his way to Tulsa, where he found out about TU's Immigrant Rights Project through a friend from Eritrea who is a TU student.

Guthrie and Flores worked with the client to document his case and flew to Houston in December to represent him at his asylum hearing.

The Immigrant Rights Project’s clients include persons seeking asylum in the U.S. as a result of persecution or a fear of persecution in their home countries, as well as non-citizen survivors of domestic violence seeking lawful immigration status under the Violence Against Women Act (VAWA).

Representation occurs in adversarial administrative hearings before immigration judges; in non-adversarial agency interviews; in appeals to the Board of Immigration Appeals; or, as necessary, in appeals to the federal courts.

In the first two semesters of the clinic’s operation, the clinic has represented more than a dozen clients from Mexico, Guatemala, Venezuela, Indonesia, Russia, Honduras, Canada and Eritrea.

Research continues to inspire students and faculty

TU President Steadman Upham says the project combines our longstanding excellence in chemical engineering and our new strengths in computer science and cyber security.

Tatters and two TU graduates were awarded a patent for a manufacturing process that can build, charge and test nanobatteries.

Tatters and his researchers have made batteries that are so small that 240 could be stacked across the width of a hair.

In March 2005, a team of TU computer scientists and chemical engineers was awarded $475,697 by a research consortium to conduct research on securing America’s oil and gas facilities from attacks launched over the Internet. The consortium is funded by the Department of Homeland Security and the National Institute of Standards and Technology.

Research is happening all over campus and is making headlines in several areas.

For instance, research to protect Internet systems from hackers and cyber terrorists became more urgent after the Sept. 11 attacks.

TU’s Center for Information Security has been awarded research and program funding of more than $7 million by the Department of Defense and $3 million by the National Science Foundation since 2000.

Another new research topic is nanotechnology. Patented research by Chemistry Professor Dale Tatters (pictured) was funded in part with $446,559 by the Department of the Navy’s Office of Naval Research and the Oklahoma State Regents for Higher Education.

What accounts for that nearly 140 percent increase?

The answer from Al Soltow, vice president for research, is devoted to the importance of research, and thereby strengthen the community and economy.

Research is happening all over campus and is making headlines in several areas.

The Honorable John T. Noonan, Jr., was the keynote speaker on Sept. 20, 2006, during TU’s observance of Constitution Day. Noonan, circuit judge for the Ninth Circuit of the U.S. Court of Appeals and a leading Catholic theologian, discussed how the personal religious beliefs of U.S. Supreme Court justices can potentially impact their judicial decisions.

Noonan spoke via videoconference to an overflow audience of TU students and audience members at the Win. Stuart Price-Michael C. Turpen Courtroom on campus. Following his remarks, there was a panel discussion that included Martin Belky, TU law professor; Jeff Hockett, associate professor of political science; and Dixie Noonan, law clerk to the Honorable Morris S. Arnold of the United States Court of Appeals for the Eighth Circuit.
Some of the most important science being conducted in industry, universities and the government started here at TU. Alumni are making a difference around the globe, thanks to lessons learned and applied while at TU. Many alumni stand out as successful researchers, and here you’ll read about: an alumnus whose company makes state-of-the-art filters, one who manages the balloon program at NASA, one who warmed the feet of professional ice skaters, another who is studying environmental conflict in Honduras, and a group of alumni protecting against cyber attacks.

Building a legacy through ALUMNI

IF YOU’VE GIVEN BLOOD lately, you probably had contact with a TU alumnus. Same goes for using contact lens solution and drinking bottled water, fine wine and beer.

All those products use filters made by Pall Corp., the world’s largest filtration and separation company. Its systems can filter any product that requires an ultra-clean, ultra-pure environment.

Pall’s senior corporate vice president for compliance and scientific affairs is Saied Tousi (BS ’80, MS ’83, Ph.D. ’86). He is responsible for making sure the company complies with EPA, safety and health regulations and export controls—all facets that deal with running a business from a government perspective, Tousi said.

The other half of his job is the fun part: making sure that all the science from the company is represented and harnessed. He continually looks for applications not currently being used, forms partnerships with companies unaware of the filters’ applications, and occasionally finds a “gem”—a scientific discovery, Tousi said.

“First and foremost and forever I will be a scientist,” Tousi said. The foundation for his business and science skills came from TU, where he worked on a project that filtered air particles through electro-statically enhanced fibrous filters.

The topic of his university research isn’t all that important now, he said. What matters was that he learned the method behind scientific research and learned about the importance of teamwork.

Tousi came to TU 28 years ago to attend the University’s well-known petroleum and chemical engineering programs. He received both an education and an understanding of how beneficial a student-teacher relationship can become; that relationship develops when TU students engage in research.

While working toward a doctorate in chemical engineering, he followed a daily routine that included a cup of coffee in the morning and a cup of tea in the evening with his adviser, former mechanical engineering Professor Frank Henry.

Dale Teters, chairman of the Department of Chemistry, was available to help. Allen Sehove, vice president for research and then-graduate dean and director of research, showed a personal interest in Tousi even though the project didn’t involve him directly.

“What I learned was a spirit of teamwork, cooperation and negotiation that you don’t learn in a place where you’re alone in a room doing research,” Tousi said. “It takes a whole team.”

Tousi still believes in the team concept.

“The person on the shop floor or who cleans the room is just as valuable as someone in research and development, just in different capacities,” Tousi said.

Following graduation, Tousi joined Pall Corp. as a staff scientist and over the next 12 years became a senior vice president. He is now responsible for 44 laboratories around the world—a global network of highly trained scientists working to solve complex contamination problems in medical, biopharmaceutical, aerospace, petrochemicals, microelectronics, and food and beverage industries.
High-flying
Research
NASA balloons
guided by TU alumni

by partnering with the National Science Foundation and Department of Defense, TU’s successful Cyber Corps program is investing in science, technology and research and producing alumni who are in high demand.

The Cyber Corps program, located in the Center for Information Security, graduates TU students whose mission is to protect the country against cyber terror attacks. Some of these alumni stay on after their two-year commitment in Washington, D.C. Others return to Tulsa or pursue other opportunities, all with the goal of keeping the country safe.

To meet that mission, they have to identify cyber threats. In March 2005, a team of TU computer scientists and chemical engineers was awarded $479,607 by a consortium to study how to secure America’s oil and gas facilities from attacks launched over the Internet. The consortium is funded by the Department of Homeland Security at the National Institute of Standards and Technology.

As the need for Internet access increases, the chance for a cyber attack is that much more real. The project focuses on designing secure supervisory control and data-acquisition systems that are used for measuring and controlling operations in chemical plants, petroleum refineries and nuclear reactors.

Preventing a Disaster. Computer science Professor Sujit Shenoi says that about 15,000 chemical plants, refineries and other facilities process or store hazardous materials.

"According to the Environmental Protection Agency," he said, "there are 709 sites where a catastrophic disaster to a chemical plant could result in death or injury tolls ranging from 10,000 to more than 1 million people.”

These numbers underscore the need for TU’s role in the fight against cyber terrorism.

Boot Gloves keep skaters warm

Juliette Hariton’s (BS ’77) research led to an invention and a business that started with a simple problem: cold feet.

Harton has skated her whole life.

While at TU, she practiced at the fairgrounds, where workers would ice-over one of the outdoor horse rings for her use. After graduation, she toured with Ice Capades for four years.

For the last six years, she has worked as the director of skating at the Toyota Sports Center in El Segundo, Calif.

Not for one minute in all those years were her feet warm until, one day, she decided to research materials that would make a feasible skate cover.

The few warmers that were available were too bulky, like putting a down-filled comforter over the skate.

So Hariton started researching how to make a better insulation without sacrificing a skater’s mobility. The material that best fit her needs was Neoprene, the same as used in wetsuits to keep surfers warm.

She developed several prototypes with the help of a seamstress at a local surf shop.

Eventually, she came up with a cover that fastens with Velcro on the bottom so that it covers as much of the skate as possible, clips on the top, and fits so snugly that it becomes a part of the skate.

In 1997, she patented the design and began manufacturing it in Taiwan. Her company, Ice Light Productions in Seal Beach, Calif., has exported and imported more than 1,000 pairs of Boot Gloves.

They are available at many pro shops and online at www.icelight.biz.
Matt Wilburn: An international mission

Across the ocean, Matt Wilburn (BA ’98) is a Ph.D. degree candidate in the Faculty of Earth Science and Geography at the University of Cambridge. Since 2001, Wilburn has served as the senior program manager for Latin America and the Caribbean within the National Oceanic & Atmospheric Administration’s Office of International Activities (NOAA).

Matt Wilburn (BA ’98) was named Principal Investigator for a $170,000 grant from the U.S. Department of State’s Bureau of Oceans, Environmental and International Scientific Affairs to assess the feasibility of adapting the U.S. Sea Grant model of applied research, extension, and education to a Latin American and Caribbean context for the purpose of addressing critical marine- and coastal resource issues in 2002.

TU research was the foundation for learning how to conduct social scientific research that helped him secure grant assistance, cross continents and land a position in the doctoral program at Cambridge. While in England, Wilburn has been conducting research on environmental conflict in the Gulf of Fonseca, southern Honduras 1973 to the present, while also maintaining his role within NOAA.

“This taught me to think and write,” Wilburn said. “Most universities and undergraduate programs do not require nearly as much writing as the Political Science program at TU. This was invaluable given that writing and thinking are the two most important skills required for any job one assumes. The program also provided me with a strong theoretical basis for future research, too.”

After leaving TU, Wilburn entered the University of Dublin, Trinity College in Ireland to study International Conflict Studies, where he received a master’s degree in philosophy in 1999. That same year, he was accepted as a U.S. Presidential Management Fellow and joined the U.S. Department of Interior as a training specialist for the National Conservation Training Centre. During this time, he traveled to Juneau, Alaska, to conduct research and a conflict analysis of a forestry/fisheries dispute in the Tongass National Forest.

“At that point, I decided that my true interest was still international, but I had become fascinated with coastal issues and their relationship to land-based issues,” Wilburn said. “I had studied Spanish while at TU and had an interest in Latin America, so I decided to merge the two.”

With that, Wilburn landed his current position with NOAA where he started as the team leader for International Partnerships and soon took on the additional role of senior program manager for the Latin American and Caribbean regions. He traveled to Ecuador and the Gulf of Fonseca to begin developing university-based programs utilizing research, extension and education to mitigate conflict in the marine and coastal environments.

“This led to my interest in developing a more nuanced understanding of how environmental conflict emerges and evolves with a specific socio-historical context,” he said. “As a result, I applied to commence a Ph.D. at the University of Cambridge with the support of NOAA leading to my current research in southern Honduras, Central America.”

TU prepared Wilburn for his career and provided him with the necessary skills to conduct research and explore a world of opportunities.

More information on Wilburn can be found at www.geog.cam.ac.uk/people/wilburn/

He may also be contacted at smw54@cam.ac.uk to answer any questions.

Fueling the ECONOMY

Research at TU has a significant impact on the economy, both locally and nationally. Our research is improving the petroleum industry and advancing information security. The TU Technology Commercialization Committee makes sure that the research generated at TU enters the marketplace. Already, the University’s annual economic impact on the City of Tulsa exceeds $300 million, and the numbers are increasing.
Making ideas a reality
Technology Commercialization Committee brings ideas to life. Just ask Jim McGill

Have you ever had an idea for an invention or business venture but didn’t have the contacts or resources to turn it into more than an idea? Imagine what might have been if no roadblocks stood in your way. Imagine what you could accomplish if resources were at your fingertips, business acumen came easily and your only concern was research and development.

Suddenly, you’d have the freedom to turn your idea into a multi-million-dollar company. The University of Tulsa’s Technology Commercialization Committee, established in September 2004, works to market technology developed at TU so that researchers can concentrate on developing their ideas.

“One of the University’s primary goals is the creation and sharing of knowledge,” TU President Strudam Etharp said. “Technology transfer helps us meet that goal, which quickly and directly benefits our nation’s economy.”

Composed of trustees, business professionals and individuals with connections in the community and industry, the committee helps research become reality. Its members’ common interests are the University and making sure that student collaboration impacts the economy. Leading the group is TU Trustee and Distinguished Alumnus Jim McGill (BS 65), who experienced first-hand how to research, develop and market an idea.

Making a mark on Tulsa’s economy.
Already, the University’s economic impact on the City of Tulsa exceeds $300 million annually, which does not include research that has led to spin-off companies, local jobs and patents.

With $7.8 million in research funded by outside sponsors last year, now is a prime time for the new committee to act, McGill says. Outside funding for TU research has more than doubled in the past decade, thanks to faculty members who propose grants and new research initiatives for themselves and their students.

“We’ve hired some very good faculty, and they’ve written some very good proposals,” said Allen Sohio, vice president for research. Sohio administers research activities by assisting faculty in submitting grant proposals, preparing budgets, negotiating agreements in federal proposals and administering funded proposals.

While Sohio is helping to get research off the ground, McGill and the Technology Commercialization Committee are helping to get it onto the street.

Growing his own business.
McGill knows that getting others to believe in your idea isn’t easy. Soon after graduation, he designed and developed equipment to reduce air and water pollution. He left his job at Dresser Engineering to pursue his idea in 1970 — the same year the federal Environmental Protection Agency asked him to help draft the new agency’s regulations.

He started his own company, McGill Environmental Systems. Four years later he received the first of 25 U.S. and foreign patents he would receive through 1985. Within five years, his company went from revenues of less than $1 million to more than $30 million.

McGill encountered many obstacles — closed doors and people who said no to his idea. Finally, an investor took a chance on McGill and invested in his idea. “He liked entrepreneurs and wanted to see me be successful,” McGill said.

Eventually, McGill’s company employed 200 people locally, resulting in a multimillion dollar yearly payroll in Tulsa. His product also was used in 30 countries with indirect sales offices in London, Japan and Australia.

McGill’s success relied upon his entrepreneurial spirit, TU education and an investor.

But it all started with research skills that he learned at TU.

“The value of research to the economy is the product,” McGill said. “You can sell a product, which creates jobs. That’s what economic activity is all about.”

The investment to let ideas succeed.
Without capital, the researcher-developer is still at the beginning — with just an idea. McGill sees the committee as a liaison for getting the right idea in front of the right person so that it can be funded.

The Technology Commercialization Committee worked closely with the Step Up Tulsa initiative during 2006. McGill serves on the Step Up Tulsa Committee for Economic Development and also serves on the City of Tulsa Economic Development Commission.

“I firmly believe that the cooperation between the City of Tulsa and The University of Tulsa in the commercialization of technology developed by students, faculty and graduates will have an enormous impact on our local economy in coming years.”

The committee sees rapid growth for the TU technology transfer office with staff devoted to marketing technology created at the University. He also believes the growth will occur simultaneously with the computer science department, bringing more opportunities for research from federal resources.

“I believe we’re going to see a lot of great ideas come out of the computer science department and receive national attention,” McGill said. “And I believe the next Michael Dell or Bill Gates is at TU.”

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Enhancing the

COMMUNITY

Research isn’t confined to a laboratory. Applied research reaches into the community to solve everyday problems. On the following pages are some examples of TU researchers seeing a community need and meeting it through scientific research: a child who needed a specialized wheelchair, adults who needed a good night’s sleep, and birds that give clues as to how viruses spread.

Northward expansion

Campus researchers explore innovations for the petroleum industry

TU has encouraged students to apply knowledge, education and research for 40 years at the TU branch located two miles north of the main campus. North Campus is 20 acres of idea innovation and testing focused on the oil industry, and it has generated tens of millions of dollars in research funding for the University and even more as a result of applied technology.

Projects have produced scores of theses and dissertations, resulted in hundreds of journal articles and reports, and helped maintain and expand TU’s national and international reputation.

“We are the envy of petroleum engineering departments everywhere because of the facilities we have on North Campus,” says Jim Brill, a retired TU petroleum engineering professor who remains involved in several of the research projects. “No one can match us in that area.”

The North Campus is located at 2450 E. Marshall St., about a block east of Lewis Avenue. The land and seven buildings were given to the University by the Humble Oil and Refining Co. in 1965.

“A complete drilling research laboratory was included with this donation,” says Steve Bellovich, dean of the College of Engineering and Natural Sciences. “That laboratory, which included a full-sized enclosed drilling rig, provided the centerpiece for our first research consortium, Tulsa University Drilling Research Projects, which began operations in 1966.”


“Drilling Research and Fluid Flow are the pioneers that blazed the trail,” Bellovich said. “The research produced by these two consortia helped establish TU as a serious player in the petroleum research game.”

Some of the biggest names in the world’s oil industry are members of the 11 nonprofit industry-university research partnerships that have offices and facilities on the North Campus. Members pay an annual subscription fee, for which they are entitled to the research findings. Also a major supporter and member of six of the North Campus consortia is the U.S. Department of Energy, which has been contributing some $2 million every year.

Facilities on the North Campus replicate conditions in the real-world: pipes above ground, underground and on the seafloor. Most of the facilities can be subjected to a variety of temperatures and pressures.

“There is no other facility like ours,” says Stefan Miska, professor of petroleum engineering.

North Campus: It’s another way TU is shaping the economy both at home and abroad through its commitment to research.
Declaring her independence

When Abigail Laipple was born, she left the hospital without a clear diagnosis. Doctors saw from a CT scan that she had a cyst on her brain but they weren't sure if she'd overcome it. Her mother didn't have any idea what the future would hold for her baby. "I searched hard for answers to make it more understandable for me," Meg Laipple said. When Abigail was one month old, drinking a bottle took four hours. That's when Laipple knew that life would be a struggle for her daughter, who is now 7 and a quadriplegic. "She's not able to talk, she's not able to walk," Laipple said. "But she tries very, very hard. If you ask her to reach for something, it takes her three to five minutes. She knows what she wants to do. But her body, because of cerebral palsy, prevents her from doing it."

"She's a smart girl. You look at her and realize she knows what's going on," Laipple said. "I just wanted to cry when I found out what they wanted to do for my baby," Laipple said. "I didn't know there were still people out there like that. I can't say enough about the kindness and caring they've shown for my daughter."

When Abigail Laipple received her first manual wheelchair, her parents had the seat engraved with her name. She quickly outgrew it, and they chose not to engrave the second one so that they could give it to another child. Now she's on her third manual wheelchair – a bright red one. Her family never could afford to buy an electric wheelchair, certainly not a custom-made one like the TU model. A standard electric wheelchair would be of little use to Abigail because of her physical limitations, her mother said. "We'd have to submit to the state to try to get an electric wheelchair and then prove to them that she could use the high-tech features before they'd approve it," Laipple said. "And without the custom features, she could never use one. This is a very big blessing for my baby!"

Now in development for about nine months, the wheelchair is undergoing some final touches before Abigail starts using it full time. "When we see Abigail, we can see how we are making an impact on her life," Ashenayi said. "When she uses her new wheelchair, it’s a sight to see. She is so excited, and we are, too."

A heartfelt request. TU students learned about Abigail from Anne McCoy, Abigail’s occupational therapist and the wife of Applied Assistant Professor of Physics Jerry McCoy. She knew of TU’s excellent engineering reputation, so she approached the engineering department about Abigail. Electrical engineering design students wanted to use their research skills to help Abigail gain independence. They had a vision for her: that she should be able to open and close doors at school and maneuver her own mechanical wheelchair. They wanted her to be able to speak when she’s hungry or thirsty. And they wanted her to turn on her own movies and CDs. The TU students have shown her daughter love and understanding. Laipple said, "I can’t say enough about the kindness and caring they’ve shown for my daughter."

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Expensive equipment. When she was 3, Abigail received her first manual wheelchair. Her parents had the seat engraved with her name. She quickly outgrew it, and they chose not to engrave the second one so that they could give it to another child. Now she’s on her third manual wheelchair – a bright red one. Her family never could afford to buy an electric wheelchair, certainly not a custom-made one like the TU model. A standard electric wheelchair would be of little use to Abigail because of her physical limitations, her mother said. "We’d have to submit to the state to try to get an electric wheelchair and then prove to them that she could use the high-tech features before they’d approve it," Laipple said. "And without the custom features, she could never use one. This is a very big blessing for my baby!"

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To make the students’ vision a reality, Mobility Plus donated the wheelchair base. Steve Bellovich, dean of the College of Engineering and Natural Sciences, began the fundraising effort by pledging $5,000 of academic support funding if the students could raise an additional $10,000. With the help of alumni and friends, more than $12,285 in gifts and pledges was raised from thirty individuals, including a $5,000 pledge of support from former TU Trustee Jill Zink Tarbel, a longtime advocate of disabled citizens.

Corporate sponsorship came from the Best Buy store in midtown Tulsa, which contributed more than $600...
Biology Professor Charles Brown has devoted 25 years to studying birds in Nebraska. Now his work, once limited to swallows, might help to answer questions about the movement of bird flu.

Because swallows are highly social, with colonies of up to 6,000 nests under a single bridge, they are optimal for studying the benefits and costs of social behavior.

In the beginning, Brown's research was directed toward a parasite similar to a bed bug. Spread of the parasite is a cost of the birds' social behavior, Brown said.

In 1998, Brown started to collect data on a virus carried by the parasite. The Buggy Creek virus is similar to Western Equine Encephalitis and usually is benign to the birds. The virus, like many others, may lie dormant for several years then suddenly cause an outbreak in animals and perhaps humans.

In 2004, Brown received an $850,000 grant from National Institutes of Health to study the virus for four years. Since then, he has studied virus transmission, how it moves between colonies and how it is maintained during the winter when the birds fly south.

Brown's team of six graduate and undergraduate students and research technicians collects insects in the birds' nests. They do the work of screening for viruses at their Tulsa lab.

The bird flu and Buggy Creek virus are not very similar because one is a DNA virus, the other an RNA virus. Also, bird flu is not transmitted by insects. However, Brown's research is contributing to knowledge about how the movement of birds contributes to the movement of viruses.

That knowledge can help scientists predict where and when outbreaks of encephalitis may occur.

Researchers are helping those who suffer from chronic nightmares. Joanne Davis, director of the undergraduate psychology program, has been studying nightmares since 2002 and has developed a program that helps people get a peaceful night's sleep.

Most of the participants have been through a trauma such as rape, child abuse or a severe car accident and suffered from chronic nightmares for many years.

Through her research, Davis has developed a system of asking participants to write out their nightmares, talk about them, then change the nightmares in some way.

"The difference that I see in people at the six-month follow-up and how different they are from when they came to see me originally never ceases to amaze me," Davis said. "They look different and feel different. These are people who hadn't had a good night's sleep for 10 or 20 years, so their whole perspective has changed."

By encouraging her students to work with her, Davis is training them to be scientist-practitioners and to use the methods of science to make a difference in people's lives, she said.

During the first phase of the study, the 30 participants reported a significant decrease in the intensity and frequency of their nightmares, plus an increased quality of sleep.

But the results all were based on self-reports. Now in its second phase, the research is focusing on measuring arousal and fear through skin conductance, facial muscle movement and heart rate.

In June 2005, 22 new participants started the therapy along with measurements to prove that the therapy was working. Jamie Rhudy, assistant professor of psychology, prepares a 30-second script of the person's nightmare and reads it while measuring the participant's arousal and fear.

"What we're finding is that by focusing on the psychological level, we're having an impact on the physiological," Davis said. "It's that physical arousal that has such an impact on people's health."

The researchers are about 10 patients away from finishing the second phase, but already their work is benefiting clients across the country.

Veterans Affairs clinics are using the protocol developed at TU, and Davis has been training practitioners in several states.
More than thirty years ago, the University began funding students’ independent research projects, and last year $30,408 was awarded through the Student Research Grants Program — nearly triple the previous year’s awards. The grants help TU students embark on new areas of research, exploring their world and developing in their chosen career field.

**Helping a child to eat.** Graduate student Mona Horn is working toward a master’s degree in speech-language pathology and has developed an interest in working with infants.

Assistant Professor of Psychology Joanne Davis enlisted Horn’s help when she decided to take on a case involving an 8-month-old born with a cleft palate. Together, the two worked with the underweight and malnourished child so that she could take in food and gain weight.

In order to buy the feeding equipment and resources needed to treat the child, Horn submitted a proposal asking for $400 in funding from the University. The money was granted, and Horn began her research project, “Feeding and Swallowing Intervention for Infants.”

“Because of the funding I received, I’ve been able to gain experience in a specific area and utilize research techniques that may not have been available otherwise,” Horn said. As a result of Horn’s and Davis’ efforts, the child, who weighed only 10 pounds at 1 year of age, gained 7-1/2 pounds in just seven months. Horn continues to work with the child through therapy sessions while videotaping and documenting her progress so that the findings may be used in similar cases.

**Virtual Reality.** Dr. Hunter Hoffman (BS 85) is a research scientist and director of virtual reality analytics in the Human Interface Technology Lab at the University of Washington in Seattle.

Hoffman has become a leader in applying virtual reality to ease pain, treat phobias and recover from post-traumatic stress disorder. He is an expert in how the mind processes reality.

But all his work started with a single spark, lit right here at The University of Tulsa.

Hoffman was introduced to the study of the mind by psychology professor Pawel Lewicki during a cognitive psychology course, which utilized a computer as a model for how the human brain works.

The small class size allowed Hoffman to work directly with Lewicki in his research. He grew increasingly fascinated with the findings and soon became an independent research assistant in Lewicki’s lab. Soon, he wrote his first computer program to aid the professor’s study.

Hoffman’s study was published in one of the top psychology journals, Journal of Experimental Psychology, and garnered interest from Princeton, opening the door for Hoffman to continue his studies.

“The experience of actually conducting research at such an advanced level as an undergraduate is uncommon,” Hoffman said. “Through research, you learn things that help to build the scaffolding for future learning.”

Nurturing student research, like Hoffman’s and Horn’s allows students to love learning and ultimately to teach themselves.

The University’s support, both academically and financially can change a student’s life and the whole world, which is waiting to be researched.

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**Funding Success**

**University supports students and their research projects**

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**Research in the limelight**

**University support of research helps student to direct a play**

For theatre major Danielle Bartlett, learning through research meant a trip to Miami when the University awarded her $800 to attend the Regional Empowerment Workshop.

The workshop is presented by Eve Ensler, producer of The Vagina Monologues. Due to the hurricanes in 2005, the Miami workshop was canceled.

Bartlett was undaunted, however, in directing TU’s production of The Vagina Monologues last February, helping to raise money for Domestic Violence Intervention Services of Tulsa.

For the fourth consecutive year, TU Theatre took part in the National Collegiate “V-Day” campaign with two performances of the play attended by capacity crowds.

The production used about 40 female performers drawn from throughout the campus and community. The show was directed by Bartlett and supervised by Theatre Professor Lisa Wilson.

The benefit of the workshop, besides securing the rights to produce the play, is to work directly with Ensler on how to make the production not just an entertaining play but also a message about stopping violence against women.

“The play makes the point that being a woman is not a handicap,” Bartlett said.

Because TU allowed her to make the trip to New York, Bartlett could devote herself to the play and women’s issues.

“The workshop was the opportunity of a lifetime, and I am so honored the University allowed me the financial privilege to attend it,” Bartlett said. “It changed my life; meeting Eve Ensler and making my way around downtown Manhattan was truly inspiring and empowering.”

TU’s support will help Bartlett later in life, too, as she uses her experience pursuing an acting career.
Former Tulsa offensive coordinator and Rice University Head Coach Todd Graham was introduced as The University of Tulsa’s new head football coach on Jan. 12, 2007. He is the 27th head football coach in school history.

Graham, 42, spent the past season as the head football coach at Rice, where he led the Owls to an overall 7-6 record and the school’s first bowl berth in 45 years. He was the Conference USA Coach of the Year.

Graham takes over a TU program that has won 29 games in the last four years and has been to three bowl games.
Hurricane volleyball team wins C-USA regular season championship

TU’s volleyball team made great strides in the 2006 season, finishing with a 27-7 record. The Golden Hurricane won the school’s first conference championship in that sport by claiming the Conference USA regular season title with a 13-3 record. Not only did TU set a school record for league victories in a season, but also the Hurricane became one of only three teams in Conference USA history to win its first 15 home matches.

The 27 wins are the most victories for a TU team since the NCAA officially recognized the sport with a championship. The 1980 team posted a school-record 30 victories. Tulsa’s 27 wins also ranked as the fourth-most victories in the nation through regular-season competition.

For his efforts, TU Head Coach Ed Allen was selected the C-USA Coach of the Year by his peers around the league. Juniors Julia Silva became the first TU player to post more than 1,300 assists in consecutive seasons, as she broke her own single-season total with 1,414 assists this year. Silva was selected the C-USA Setter of the Year and also earned a spot on the AVCA’s All-Midwest Region team.

The Hurricane set six team school records for a single season, including kills, attacks, hitting percentage, assists, digs and service aces.

Golfers earn academic All-America honors as Hurricane team posts victories in two fall tournaments

The Tulsa men’s golf team wasn’t just ranked among the nation’s top-25 last spring, but also the players excelled in the classroom. Four returning seniors to this year’s roster earned academic All-America honors as one of Tulsa’s Ultimate Student-Athletes for the 2005-06 academic year, has maintained a 3.79 grade point average in finance. Henry has maintained a 3.31 GPA, while Myers has a 3.21 grade point average, both majoring in management.

On the golf course this fall, the quartet of golfers led the Hurricane to two consecutive tournament victories with wins at the Oklahoma Intercollegiate and The Landfall Tradition. Korbe turned in his second career victory as he garnered medalist honors at the Oklahoma Intercollegiate. Sophomore teammate Nicolas Gregger captured medalist honors as he finished in first-place at The Landfall Tradition.

Independence Bowl football team, 1991 Freedom Bowl football team, rowing team and spirit squad. The Homecoming committee was led by Chair Nancy Ferguson Meyer (BS ’72) and her dedicated committee of alumni, students, faculty, staff and friends. Laurie Fiocchi Brumbaugh (BS ’78) will chair Homecoming 2007. If you are interested in serving on the planning committee, contact Lindsay Myers at lindsay-myers@utulsa.edu. Watch your mailbox this summer for more information. We hope you will join your friends for another celebration!
The TU Alumni Association hosted hundreds of alumni and friends at tailgate parties during the 2006 football season. Before each home game, alumni were treated to food from Full Moon Cafe and live music under the tent between Shelly Field and the Donald W. Reynolds Center. Proud fans wore blue to show their TU spirit.

“Every alumnus of TU is a member of the Alumni Association. This is our way to give an added benefit to our members while having a fun time and supporting the Golden Hurricane football team,” said Mike Metcalf (MBA ‘97), president of the Tulsa Chapter of the Alumni Association.

More than 300 alumni and friends cheered the Golden Hurricane to victory against the Naval Academy in Annapolis, Md., on Sept. 23. The Washington, D.C. Chapter hosted a tailgate party prior to the football game and welcomed alumni from all over the United States who came to see the Golden Hurricane play.

On Nov. 4, the Houston Chapter of the Alumni Association hosted more than 200 alumni and friends prior to the game against the University of Houston. The Dallas Chapter hosted a tailgate party on Nov. 18 on the Southern Methodist University campus for 250 TU fans.

The TU Alumni Association Events

For more details and a full list of Alumni Association events, visit the Alumni & Friends website at www.utulsa.edu/alumni, or call 918-631-2555.

#AlumniEvents #TUUncorked2007

##TU Uncorked 2007

###Save the Date! The Third Annual TU Uncorked event will be held on Friday, June 1, 2007, at the historic Mayo Hotel in downtown Tulsa.

The event is hosted by the Tulsa Chapter of the Alumni Association, along with honorary chairs John Forrest (BA ’72) and Cheryl (Sadon) Forrest (BS ’74), event chairs John Williams (BS ’88, JD ’92) and Cristina Smith Williams (BA ’92), and co-chairs Andrew Habiger (BSBA ’02) and Sarah (Murphy) Habiger (BSBA ’93).

During the last two years, TU Uncorked has raised more than $74,000 for the Alumni Scholarship Endowment Fund, which will assist deserving TU students.

For ticket information, sponsorship opportunities or donating items to the auction, contact Lindsay Myers at lindsay-myers@utulsa.edu or 918-631-3724. More information about the event is online at www.utulsa.edu/alumni.

###Alumni show their tailgating style

At the spring commencement, graduating students and their families were honored with a Graduation Reception hosted by the Student Alumni Council and the Alumni Association. New graduates will receive Alumni Association T-shirts and continue the time-honored tradition of celebrating the conclusion of their college days by ringing Kendall Bell, which now resides in Skelly Plaza. (See page 2.) Pictured above are students who participated in the spring 2006 commencement.

###TU Journeys to Sicily

No trip to Italy would be complete without sampling the incredible locally produced wines and olive oil are world-renowned. The food, which merges the flavors of the historic “conquerors” of Sicily. The Norman churches decorated by Arab and Byzantine mosaic artists, and Spanish to the Romans, the ancients valued Sicily and its people.

Ulysses to Archimedes, from the Arabs to the Normans, and from the crossroads of the ancients in Italy this summer. From the Park of Arts and Sciences and professor of classics, as he leads a journey

###2007 TU Alumni Association Events

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Bob flew in the South Pacific as a member of the 99th Bomb Group.

1950s

Everett W. Schonbrohn (BS ’50) of Tulsa has been retired from the U.S. Air Force for 21 years after serving more than 14 years. He turned 86 years old on Oct. 14.

Deanne K. Murphy (BS ’51) is a museum consultant at San Juan County Historical Society in Blanding, Colo. She lives in Oakdale, Calif.

John R. Stanton (BS ’51) is a retired aerospace engineer who specializes in micro-meteorization. He and his wife, Ilse, a language teacher, have two children, Jeffrey and Stuart. They live in Stephenville, Va.

Walter E. Nance (BS ’52) received a citation for 2,000 hours of volunteer service with the Restoration and Administration Division of the National Museum of Naval Aviation located onboard Naval Air Station Pensacola.

R. Dale Toll (BS ’72, MS ’71) lives in Naples, Fla., and is retired from ExxonMobil. He has been self-employed for five years in investments.

Max L. Fisher (BS ’74) is the owner/president of Excise Service, Inc. He is a member of Kosair Club of Tulsa and the Better Business Bureau board. He produced and directed the Miss Oklahoma pageant for 21 years.

Roosmee Warner Hall (BA ’74) works as an advocate for the mentally ill and is a founding board member for Crossroads Clubhouse. Crossroads is a private psycho-social clubhouse for individuals with psychiatric diagnoses. There are more than 100 clubhouses in 33 countries throughout the world, and it is an agency of the United Way. Crossroads is Rosemary’s passion, and she does it in the memory of her son, Christopher, who died in 2000 due to complications of a malignant disease.

Fred Nett (BS ’74) is a geologist and lives in Houston. He just published an autobiography called Global Oil Finds.

1960s

James T. Cloth (BSME ’62) and wife, Linda, are living in Highland Village, Texas. James is semi-retired having worked as an engineering and project management consultant. He enjoys sailing (they are bareboat licensed and captains). They have two daughters, Stephanie Simmons and Jameson Simon Glasnapp. They have two grandchildren, Matthew and Gemma.

Steven L. Paltso (BS ’67, MS ’71) is senior vice president, medical director and an ORRGEN physician at Atlanta Medical Center. He enjoys reading, running and international medical teaching. Steven has taught a gynecologic surgery in S. Pernament, Moscow, Cyprus, Greece, Italy, Argentina and Brazil.

Marsha Dillen Halt (BA ’68, MA ’70) took office in December as president of the Juneau Area Society of North America, a 3,000-member organization with 60 chapters in the United States and Canada. Halt was JASA’s 2005 national conference host in Milwaukee, where she practiced law with the firm of Foley & Lardner.

D. Ronald Rinker (BA ’68) is a private pilot at Cedarlock, Reneker & Dotts, LLP. He and his wife, Catherine, have two children, Ash and Victoria. Ron enjoys watching sports and serves as the president of the Dallas Sigma Chi Alumni Chapter.

John A. Osborne (BS ’56) was presented the Bill Webster Social Justice Award by the Tulsa Interfaith Alliance in March. He serves as treasurer of the alliance, a member of the Faith Based Advisory Committee for Tulsa, and president of Domicile Violence Intervention Services/Call Rape.

Mel Greene (BS ’58) and wife, Laura, have sold their home in Kansas City and purchased a home in Colorado. Ken, called the Maple Uncommon Hotel. They have long wanted to operate a bed and breakfast and have found the best option of all — beds without the breakfast. You can find them online at www.maplecommon.com. They are the hope the new locals will enable them to attend many more TU football and basketball games.

Don Lebiod (BS ’58) has retired from the aerospace industry. He and his wife, Judy, reside in Huntingdon Beach, Calif.

The Rev. Norwalk Stinson (BA ’59) and his wife have two daughters, Stephanie Simmons and Jameson Simonson. They enjoy sailing (they are bareboat licensed and captains) and tennis.

David Battenberg (BS ’64) has been accepted for membership in the American Society of Composers, Authors and Publishers (ASCAP). Some videos he directed are now online at the SpillCaster.com. He did producer work for the movie Santa Croce, a thesis film directed by an advanced film student at the American Film Institute in Hollywood.

David Averill (BS ’64) is a general counsel and secretary for Administaff, was awarded Outstanding Corporate Counsel with an attorney staff of 11 to 12 among all Houston-based companies. The award, recognizing experience and accomplishment by in-house counsel in the field of corporate law, was presented by the American Corporate Counsel and the Houston Business Journal.

Ben Leland (BS ’64) is a business intelligence expert and writes for and performs in a music CD projects published, including a move to Tulsa and retirement in 2009 from Larry’s place in the TU alumni association.

Steven L. Paltso (BS ’67, MS ’71) is senior vice president, medical director and an ORRGEN physician at Atlanta Medical Center. He enjoys reading, running and international medical teaching. Steven has taught a gynecologic surgery in S. Pernament, Moscow, Cyprus, Greece, Italy, Argentina and Brazil.

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1970s

David Averill (BS ’64), Tulsa World associate editor, received the Cameron Duncan Award for Media Excellence for his stories over the past year exemplifying excellence in media coverage on poverty and its long-term effects domestically and around the world. He serves as a director of the Tulsa Chapter of the TU Alumni Association.

David Battenberg (BS ’64) has been accepted for membership in the American Society of Composers, Authors and Publishers (ASCAP). Some videos he directed are now online at the SpillCaster.com. He did producer work for the movie Santa Croce, a thesis film directed by an advanced film student at the American Film Institute in Hollywood.

Larry Wofford (BS ’70, MBA ’71) and wife, Pat, are the owners and operators of 66 Harley-Davidson dealership in Tulsa. The couple took home the Grand Prize trophy in February at the 15th Annual Top 100 Awards Gala in Indianapolis. The dealership is ranked No. 1, according to Dealerama magazine.

Fax. Charlie Roper (BS ’73) graduated from Hillcrest Medical Center Clinical Pastoral Education (CPE) Level II program.

John G. Greene (BA ’76) is president of Green Acres Farm, a horse farm. He and his wife, Linda, have two children, Sarah and Katie. They live in Columbia, Md. John has two music CD projects published, and writes for and performs in a horn section for his church.

Sarah Schreitl Maksimov (BA ’79) has been chosen to participate as a mentor in a nationwide Department of Education study, providing full-time mentors and induction services to first- and second-year teachers.

Susan Bradley Winter (BS ’76) and husband, Larry, are in their “1,000 days” before retirement in 2009 from Larry’s federal career. Their plans include a move to Tulsa and a return to their home outside of Tulsa.

Tom Bailey, Jr. (BA ’77) was honored on Oct. 12 by President
original Christian art, gifts and calligraphy. Terri and Mark have two children: Lauren, a senior communications major at TU, and her husband, Laura, a senior communications major at TU, and Alan, a中国市场 growth consultant student at the University of Kansas.

George W. Bush in St. Louis. Terri was presented the President’s Volunteer Service Award in recognition of her volunteer work with 100 Black Men of America, Inc. and 100 Black Men of Metropolitan St. Louis. Terri is the national events and convention chairman for 100 Black Men America, Inc., a national non-profit organization committed to the intellectual development of youth and the economic empowerment of the African American community. She holds respect for family, spirituality and charity. She is also the founder and chairman of the 100 Black Men of Metropolitan St. Louis Prostate Cancer Survivors and Affiliates Walk.

Ted Sheerwood (BS ’77) has been a Fellow of the American College of Trial Lawyers, one of the premier trial organizations in America. The induction took place before an audience of 2,000 guests during the recent 2006 annual meeting of the college in London. Ted is president of Sherwood & Associates, PC, law firm in Tulsa.

Judy Gutter Young (BS ’78, MA ’90) is the recipient of a 2006 National Parenting Publications Award for her book R is for Rhyme, A Poetry Alphabet (Sleeping Bear Press). R is for Rhyme, which received a starred review in NYT’s Kirkus Review, is also being photographed by the Virginia Tatum Creative Dance Program and Children’s Dance Theatre of the University of Utah for their 8th annual performance in May 2007. It is also being featured by the Albuquerque Public Schools for the year-long program, “Words and Images,” which combines language, painting, dance and music. Judy is a frequent speaker at schools and educational conferences throughout the U.S. Information about Judy’s books can be found at www.judygutteryoung.com.

Douglas M. Mckelk (BSBA ‘79, MS ‘86) published a book, chapter titled “Strategic Implications of Canals Mapping in Strategy Analysis and Formulation” in the book Canal Mapping for Research in Information Technology, by Idea Group, Inc. Douglas serves as an instructor assistant dean at the University of Illinois in the Department of Management and Quantitative Methods at Illinois State University. He has also been elected to the position of vice president and program chair for the Association of Business Simulation and Experimental Learning. Doug and his wife, Lorrie Dawn, live in Normal, Ill., and have a 6-year-old son named John-Charles Douglas Mckelk. Lorrie Dawn is an investment account analyst for Country Insurance and Financial Services in the corporate office in Bloomington, Ill.

D.C. Roberts (BS ’79) creates upscale, hand-made greeting cards. She has teamed up with Miss Jackson in Tulsa to sell the cards. The full retail price of the card will be given to DaySpring Villa, a women’s shelter in Sand Springs, OK.

Mark Ace Abbot (BS ’76, MBA ’80) along Hurricane Pass in southern Colorado in July. Mark and his wife, Terri, and her business partner, Laura Santos, have launched a new web-based business, www.dinnertime.com. The site features original Christian art, gifts and calligraphy. Terri and Mark have two children: Lauren, a senior communications major at TU, and Alan, a中国市场增长咨询服务 student at the University of Kansas.

Loralee Dawn is an investment account analyst for Country Insurance and Financial Services in the corporate office in Bloomington, Ill.

James R. Heinlein (BS ’94) works as a sensor controls engineer at Johns Hopkins APL, LLC. His wife, Pegg, is employed at TU and their son, Matt, is a freshman majoring in political science.

Anthony Raymon (BS ’84) serves on the boards of ITW Merchant Banking, Eureka, Mo., and Dr. David Cook is the president of Petrobank Energy and Resources, Inc., a software company. David has been appointed by President Wallis to serve in the Operations and Technology Division at BOK Financial Corporation. He oversees information technology support and projects for bank operations, facilities, human resources and other staff support functions for Oklahoma’s largest financial institution.

Joanne Farrell Finn (BA ’84), with President Steadman Upham and his wife, Peggy. On Sept. 19, alumni from the Los Angeles area gathered at a reception hosted by Mc Coy Wiseley with President Steadman Upham and his wife, Peggy.
Amanda Erwin (BA ’94) finished sixth overall and placed in her age group out of nearly 1,500 competitors in the 2007 Triathlon in Santa Barbara, Calif. on April 30, 2006. The world-class event is considered the season opener for the country’s triathlon circuit. Athletes from around the world flock to Santa Barbara for the 3.5-hour, 80K bike ride and 10K run. Amanda has competed in triathlons for eight years and is nationally ranked in her age group. She has already qualified for the 2008 Olympics and is planning on competing in the 2008 Paralympic Games.

Robert E. Boyd (MBA ’92), president of Boyd Financial, Inc., has been named to a two-year term of the Small Business Administration’s National Advisory Council.

Tina W. Gilbert (MBA ’92) joined MBDJ MindPoll Inc. in October 2005 as a senior business analyst. MindPoll uses artificial intelligence technology to help companies automate their complex, knowledge-intensive business processes.

Amanda Erwin (BA ’94) married the Rev. David Keith of Hixson Hill, New Brunswick, on July 16.

Joe F. Vogt, Jr. (BA ’90) was a new missionary in September attending a missions conference when he met another missionary looking for someone to go to Warsaw, Poland.

New assignments for industrial and commercial equipment.

Kristi McKnight Carlisle (BSPE ’94) and her husband, Andrew, have three children: Gigi, 6, Frankie, 5, and Vincent Walker, 2. Andrew joins big sister Kristi McKnight Carlisle for industrial and commercial equipment.

Lori A. L. Leflore (MBA ’96) of Tulsa is a partner at Patton Boggs, LLP. She is a gas and transactional attorney.

Lisa Ross Goebel (BA ’90) of Westlake with a view of the ocean when he is not needed onsite with the client in Cincinnati.


Brenda had been in private practice for five years.

Robert E. Boyd (MBA ’92) joined MBDJ MindPoll Inc. in October 2005 as a senior business analyst. MindPoll uses artificial intelligence technology to help companies automate their complex, knowledge-intensive business processes.

Eric Rowan of Louisville, Ky., and Robert Oly had their third annual TU Uncorked Wine Festival, a fund-raiser benefiting the TU Alumni Council. Eric and Robert saved and spent nearly 2006 attending a missions conference when he met another missionary looking for someone to go to Warsaw, Poland.

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Lisa Ross Goebel (BA ’90) of Westlake with a view of the ocean when he is not needed onsite with the client in Cincinnati.

Jeff White (BA ’04) and Alicia Mandlik, a former TU student, were married on May 2 at Trinity Family Catholic in Tulsa. The wedding party included Katherine Hidalgo and Ian Terracina, Abby Hurley, Sarah Quade, and Sarah Milner (BA ’04). Brookie Mease (BS ’03) and Katie Miller (BA ’00) and Jan Breeden (BA ’04) were married on May 20 in Tulsa.


Susan L. Smyer (BA ’03) was named senior research associate for the University of Oklahoma College of Medicine’s Institutional Review Board.

South Carolina. In addition to Phoenix and Santa Fe, she has traveled worldwide for the last three years playing professional volleyball. She is now beginning a career in the solar energy field and resides in Las Vegas, Nevada.

Kathleen N. Bergstrom (BA ’05) spent a year working as a communications representative for Trinity Publishing Company, known as Auto Trade magazine. She joined the retail advertising team in the Tulsa Arrow for the Arrow Trade Community World.

...the president of the class of ’06, who gave the student address at commencement on May 13. She returned to TU to pursue her law degree.

Dan T. Richardson (BA ’06) won the Grand Jury Award for the best photograph from scenes shown at the TCA at the 81st Annual Convention and Exposition in Louisville, Ky. He also won a photograph taken in Bhutan.

Ph.D. in anthropology from the University of Pennsylvania. His grand prize photo was one of 100 people chosen in a lottery in Idaho called “A Hunt of a Lifetime” to hunt for moose. Her husband, Cody Wynn (BSEE ’04), is an R&B singer. She took down a 600-pound moose on Sept. 17.

Kristin Van Wert (BA ’02) has traveled worldwide for the last three years playing professional volleyball. She is now beginning a career in the solar energy field and resides in Las Vegas, Nevada.
Friends of TU

Joseph W. Adair, former student, April 24, 2006
John Henderson Barry, September 25, 2006
Paul Lawrence Bertrand, August 21, 2006
Norwe overshadow Johnson, former student and employee, June 28, 2006
Andrew Don Boyne, September 10, 2006
Nelson M. Brownlow, March 16, 2006
Linda Galli, September 20, 2006
Patricia Cox, former student, July 2006
U Kells Eason, Jr., June 12, 2006
Charles W. Emery, April 23, 2006
Ada M. Enis, former employee, July 2006
Joy F. Fox, April 10, 2006
Bonnie W. Graham, May 17, 2006
August Goldstein, Jr., October 23, 2006
Dorothy Santina Guazzelli, March 7, 2006
Linda Jean Johnson Herrig, August 10, 2006
Albie M. Evers, former employee, July 2006

in memoriam

Alumni

George K. Lampman, Jr. (BS ’61), April 30, 2006
James E. Lamkin, Jr. (BS ’55), May 21, 2006
Dennis King (JD ’79), August 13, 2006
Robert A. Keehn (BS ’58), October 12, 2006
Ednah M. Ingalls (MT A ’66), April 11, 2006
Robert L. Hurford (BS ’58), May 4, 2006
Pauline Gause Horn (BA ’53, MT A ’69), August 17, 2006
William E. Hopper (BS ’50), June 20, 2006
Millard Hodges (BS ’41), January 31, 2006
Frances Mitchell Hickey (BS ’54), May 1, 2006
Lisa K. Haffener (BS ’83), July 25, 2006
Betty Denise Baxter Green (BA ’81), October 10, 2006
Marcine “Marcie” Ann Hamilton Goad (MS ’77), Oct. 18, 2006
Mason C. Fink (BS ’67), June 24, 2006
Phillip Cole Finegan (JD ’60), August 12, 2006
Richard L. Fields (BA ’73), October 15, 2006
Max F. Feldner (JD ’49), August 7, 2006
Earl S. Elliott (BA ’49), May 9, 2006
Eldridge E. Drummond (BME ’73), August 16, 2006
Jewel G. Hodge Davis (BA ’53), August 23, 2006
Edgard Coronado (BS ’60), August 18, 2004
Twana Christman (BA ’79, MA ’80), July 2, 2006
David Foster Carlock (BS ’50), July 5, 2006
Daniel M. Byrne (BS ’41), May 10, 2006
Tot M. Brown (BM ’51, MM ’55), March 3, 2006
Sara “Sally” J. Kerr Brown (BA ’44), July 11, 2006
Paul W. Brightmire (BS ’49, LLB ’51), June 10, 2006
William Leonard Boone (BS ’49), September 24, 2006
Roger C. Blackwood (BA ’50), April 5, 2006
Betreece Bishop (BS ’55), April 22, 2006
Robert E. Barr (BS ’51), May 25, 2006
Phillip C. Bailey (BSBA ’57), September 12, 2006
Joseph Q. Adams (JD ’64), September 2, 2006
Mildred Hull Milam (’34), October 27, 2006
Louis H. Miller (BS ’43), May 21, 2006
Hubert A. Miller (BS ’44), May 19, 2006
Raymond J. Meyer, Jr. (BS ’59), September 19, 2006
Carolyn W. McGinnis (BS ’49), July 10, 2006
Thomas J. McChesney (BS ’76), October 19, 2006
Georgie W. McFarland (BS ’62, Jr.), July 16, 2006
Roper E. Miller (BS ’50), May 17, 2006
William M. hooks (BS ’53, Jr.), March 24, 2006
Bart Wilkerson (BS ’65), October 7, 2006
Orrill “Bill” Norris, Sr. (BS ’65), September 5, 2006
Elizabeth “Betty” J. Parrish Van Hoose (BA ’41), July 11, 2006
Robert Allan Todd (BS ’79, JD ’82), July 11, 2006
Steve C. Stewart (BS ’63), October 4, 2006
William Gordon Spencer (BA ’47), August 25, 2006
Mary Ann Shelton (BS ’54), August 15, 2006
Gemmy Sue Savage (MS ’72), October 15, 2006
Donald M. Rowley (BS ’52), July 1, 2006
John F. Robohm III (BA ’64), March 27, 2006
Norris Augustus Roberts (MS ’70), September 24, 2006
Richard Nichola (BS ’58), May 23, 2006
Dawson Jones Reynolds (BS ’53), October 5, 2006
Horns Angus Norman (BS ’70), September 24, 2006
John Roberts (BS ’58), March 27, 2006
Donald M. Romsey (BS ’71), July 1, 2006
Richard Paul Pope (BS ’58, Jr.), October 10, 2006
Genevieve Sue Savage (BS ’72), October 15, 2006
Mary Ann Shaddix (BS ’54), August 15, 2006
William Gordon Spencer (BS ’70), August 25, 2006
Howard T. Stanley, Jr. (BS ’49), Aug. 9, 2006
Stoy C. Swann (BS ’53), October 4, 2006
Robert Alan Taylor (BS ’71, Jr.), July 30, 2006
Michael A. King (BS ’71, Jr.), September 22, 2006
William W. King (BS ’71, Jr.), September 25, 2006
Howard E. Kingery, Jr. (BS ’50, Jr.), June 5, 2006
Elizabeth “Betty” J. Parmelee Kuykendall (BS ’61), July 11, 2006
Henry W. Mland (BS ’73), September 9, 2006
Aurea A. Herkenrother (BS ’72), August 30, 2006
Catherine Watson (BS ’72), May 9, 2006
Mark Metz (BS ’78), September 2, 2006
George W. “Butch” Hall (BS ’74), April 1, 2006
Harold L. Williams (BS ’41), June 12, 2006
Betty H. Milam (BS ’65), June 10, 2006
Billy Charles Womack (BS ’63), September 22, 2006
Rover C. Myer, Jr. (BS ’52), October 25, 2006
Harriet F. Redd (BS ’51), November 19, 2006

Famed composer Louis W. Ballard (BM ’44, MF ’52), renowned for introducing American Indian themes into Western concert music, died in February in Santa Fe at the age of 75. A member of the Quapaw Tribe of Oklahoma, Ballard melded Native melodies, rhythms and instruments with classic Western orchestral music.
In this issue of the alumni magazine, we recognize the contributions research has made in support of the University’s mission and our community, including real economic returns. Consider this:

- Last year, TU received more than $18 million in external funding for research and sponsored programs, representing an 80 percent increase over the past decade.
- Research funding was distributed locally in a variety of ways, including purchased goods and services, program-related salaries, and tourism expenditures resulting from campus visitors participating in TU programs and conferences.
- TU has an annual economic impact exceeding $300 million, from which research-related expenditures constitute a major component.
- Funds received in 2005-06 came from a variety of sources, including federal funds ($9.4 million, or 53 percent of TU’s external research funding), the private sector ($6.9 million, or 38 percent of external research funding), and state/local government ($1.7 million, or 9 percent of TU’s external research funding).

Research funds directly support some of TU’s most recognized programs including:
- TU’s Center for Information Security and the National Science Foundation’s “Cyber Corps” program;
- The Department of Petroleum Engineering and its 13 research consortia;
- Education initiatives, including the Math Improvement Project to help teachers improve math education in Oklahoma;
- The Boesche Legal Clinic, which meets the legal needs of underserved population in Oklahoma.

This good news only scratches the surface of what is accomplished at TU every day. The University remains committed to providing opportunities for applied learning that will enhance the classroom experience and make a measurable difference in the community.

Yours truly,

Fulton Collins

Greetings from the Chairman

As The University of Tulsa moves toward achieving recognition as a Top 50 university, the increasing quality and volume of research by our faculty and students provide evidence of our progress. Research, however, does more than just advance the reputation of a university. It also provides significant economic impact and strengthens partnerships with business and industry across the globe.

This report of TUs accomplishments during the past year reflects the breadth of activity across our campus. From the classroom to the lab to the playing field, TU has excelled at levels previously considered beyond our grasp.

However, it gives me particular pleasure to note the progress TU has made in sponsored research. During the past decade, the quality of sponsored research conducted at TU has increased dramatically, the number of patents and licenses has more than doubled, and external research funding progresses at a record rate. As you read through this issue of TU Magazine, I encourage you to learn more about the achievements of our faculty and students in areas ranging from nanotechnology to longitudinal studies of native wildlife.

We are committed to emphasizing research because it naturally complements our primary teaching function. TU continues to distinguish itself as one of the few universities placing a strong emphasis on research for undergraduates. Students who are active in original research projects enjoy a more robust learning experience, engage at a deeper level with their studies, and become better prepared for their next step after graduation – whether that is graduate school or work in business or industry. This philosophy is best exemplified by the Tulsa Undergraduate Research Challenge (TURC), a program that integrates scholarship, research, and service. Innovative programs such as TURC allow us to attract the nation’s top students and faculty to campus. In turn, close faculty-student interaction serves as the catalyst for the dynamic academic environment for which we are known.

As TU marks its 100th anniversary in Tulsa in 2007, I am mindful of the many milestones that have shaped this institution’s remarkable history, including discoveries and advancements that have placed TU and Tulsa in the national spotlight. While reviewing our achievements and planning for the future, I firmly believe that our past is but a prologue to the dynamic future ahead of us.

With best regards,

Steadman Upham
Academic Achievement

Class of 2010. Outstanding scholars from across the nation continue to select TU as their university of choice. The current freshman class is an academically accomplished group containing 64 National Merit Scholars, with an average ACT of 27. Nearly 60 percent of the students ranked in the top 10% of their high school class.

Scholarship Achievements. TU students continue to distinguish themselves by earning nationally competitive scholarships. In 2006, four TU students received prominent national scholarships, including two Goldwater Scholarships, two National Science Foundation Fellowships, and a Phi Kappa Phi Fellowship. These latest recipients join an impressive legacy of academic achievements by TU students.

Wellspring Professors. Biology teaches that diversity provides strength to an ecosystem, and this tenet is no less true for any business organization. In recognition of the importance of diversity, TU is adding nine new faculty positions by the Wellspring Initiative, which was funded through the generosity of the Chapman Trusts. The Wellspring professor will broaden campus dialogue by adding faculty in academic disciplines including African American and women’s studies, entrepreneurship, economic development, and business; international business specializing in China; biochemical engineering; cyber security with specialization in hardware; nanotechnology; film studies with a specialization in production; Portuguese/Spanish; and Chinese. The search for these positions started in spring 2006, with the faculty members expected to arrive on campus for the fall 2007 semester.

Bellwether Fellowships. TU remains committed to fostering a graduate school environment where students can achieve groundbreaking results. The Bellwether Fellowship Program, introduced this year, will provide significant financial resources for up to 15 doctoral students to concentrate fully on completing their Ph.D. dissertations. Funded through a presidential initiative, the first Bellwether fellows are expected to be awarded in Fall 2007.

Maximizing Intellectual Capital. Considerable opportunity exists to strengthen TU’s graduate and doctoral programs through interdisciplinary initiatives and research. Faculty are exploring areas where existing academic departments can work together to develop innovative programs that meet academic and community needs. An example of this new direction is the Energy Management Program, which draws upon existing academic resources from the College of Business Administration, the College of Engineering and Natural Sciences, and the College of Law.

International Perspectives. With a strong component of international students and faculty, combined with internationally recognized programs, TU continues to be known as a university of the world. International students from 60 nations comprise 11 percent of the TU student body. TU faculty from across the globe integrate diverse perspectives into their classrooms, and opportunities for TU students to study abroad continue to grow thanks to the efforts of TU’s Center for Global Education.

Accreditation. Every 10 years, TU is required to reapply for accreditation from the Higher Learning Commission of the North-Central Association of Colleges and Schools. This process requires the University to engage in a rigorous self-evaluation to determine if TU has met its stated goals as an educational institution. In preparation for the Higher Learning Commission’s visit in spring 2008, campus committees have been working diligently to review TU’s academic operations. As part of this review, Provost Roger Blais organized a faculty evaluation of the Tulsa Curriculum. Faculty committees made several insightful recommendations to align the curriculum for today’s rapidly changing global environment. On the whole, however, the faculty found the Tulsa Curriculum to be fundamentally sound in preparing students with a broad, well-rounded undergraduate education.

National Recognition

U.S. News & World Report. TU continues to garner national recognition for academic excellence, including its rise in the U.S. News & World Report’s listing of Top 100 national doctoral universities. The 2007 U.S. News rankings list TU at #88 among the 248 colleges and universities reviewed, up five positions from the previous year. Such national recognition provides external affirmation of TU’s success and aids in its ability to recruit top students and faculty.

Princeton Review Best Colleges. Additional recognition of TU’s outstanding campus life came from The Princeton Review when it recognized TU in its 367 Best Colleges guide. The publication notes TU’s quality of life (ranked #6 nationally), city-university relations (#7 nationally), happiest students (#6), and race/class relations (#14). TU also was identified among the publication’s Best Western Colleges, a region that encompasses 123 schools in 15 states.

Sound Finances

TU continues to maintain its sound financial position through the hard work of University employees to maintain balanced budgets. Each year, the administration and staff work diligently to examine the scope of University operations and determine the most efficient use of resources to advance TU’s mission and ambitious goals.

University operations continue to be supplemented through endowment growth and record success in attracting external funding. As of May 31, 2006, the University’s total endowment, including funds held in trust by others, was $581.7 million—an increase of $47.1 million compared to the previous year. During the same period, total giving from alumni and friends exceeded $197.5 million, and funding for research and sponsored programs topped $18 million, compared with $16.3 million and $17.8 million respectively for these categories during the prior year.

Leadership & Governance

Ensuring TU’s programs require a bold vision and a strategic plan for achieving these results. During a February 2006 two-day retreat, top administrators met with the Board of Trustees to review the University’s plans for a stronger and more vibrant TU. Core tenets of this vision are the creation of additional endowed faculty positions in academic disciplines of strategic importance to TU, construction of facilities to enhance existing academic programs, and increased support for student scholarships. With the board’s strong endorsement, the TU administration has developed an action plan to accomplish these goals.

Alumni Association

This was an exciting year for the Alumni Association with chapters moving full-speed ahead to engage alumni from coast to coast. The “Wear Blue” campaign has brought a wave of school spirit throughout the TU family, and a new association logo provides a centerpiece for its comprehensive branding campaign. This year, the Alumni Association also received an overwhelmingly positive
president’s report

The transformation of TU’s campus is nothing short of amazing as the University updates its physical infrastructure for the next generation. The construction projects are numerous and impressive, including nearly 800 fans at Alumni Association/Golden Hurricane Club events held at Navy, Houston and SMU. TU Uncorked, now in its third year, has proven to be a tremendously successful event for alumni and friends to sample Oklahoma wines while raising more than $74,000 to date for the Alumni Association Scholarship Fund. These many positive activities have played a significant role in alumni giving continuing at record levels, with 25 percent of TU alumni supporting the University through their generosity.

Campus Transformation

The transformation of TU’s campus is nothing short of amazing as the University updates its physical infrastructure for the next generation. The construction projects are numerous and impressive, including nearly 800 fans at Alumni Association/Golden Hurricane Club events held at Navy, Houston and SMU. TU Uncorked, now in its third year, has proven to be a tremendously successful event for alumni and friends to sample Oklahoma wines while raising more than $74,000 to date for the Alumni Association Scholarship Fund. These many positive activities have played a significant role in alumni giving continuing at record levels, with 25 percent of TU alumni supporting the University through their generosity.

Athletics

In its first year as a member of Conference USA, the Golden Hurricane won four conference titles – football, women’s basketball, softball, and men’s tennis. Those same teams, plus women’s golf, participated in NCAA tournaments, while the TU track program sent nine athletes to the outdoor NCAA regional. And the football team earned national recognition with its New Year’s Day victory in the 2006 Liberty Bowl.

While the success of TU student athletes on the playing field has been remarkable, they also have been receiving accolades for their achievements in the classroom. TU had 22 student-athletes receive the Conference USA Commissioners Academic Medal for maintaining a 3.75 GPA or better, the third highest total in the league. The University had 129 student-athletes named to the Conference USA Commissioner’s Honor Roll. Nationally, four junior men’s golf athletes were named Scholar Athlete All-Americans by the Golf Coaches Association, while starting football quarterback Paul Smith was named second-team All-American.

As the smallest school in NCAA Division I athletics, the success of TU’s athletic programs can be attributed to the hard work and dedication of TU student athletes and a community of coaches committed to winning while maintaining rigorous academic standards.

Statement of Financial Position

May 31, 2006 (amounts in thousands)

<table>
<thead>
<tr>
<th>Assets</th>
<th>Current assets:</th>
<th>Liabilities and Net Assets</th>
<th>Current liabilities:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2005</td>
<td>2006</td>
<td>2005</td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$28,150</td>
<td>28,363</td>
<td>Accounts payable</td>
</tr>
<tr>
<td>Investments, short-term</td>
<td>5,312</td>
<td>4,893</td>
<td>Accrued expenses</td>
</tr>
<tr>
<td>Accounts receivable, net</td>
<td>11,167</td>
<td>17,066</td>
<td>Notes &amp; mortgages payable, current portion</td>
</tr>
<tr>
<td>Deposits with bond trustee, current portion</td>
<td>1,468</td>
<td>1,778</td>
<td>Payable</td>
</tr>
<tr>
<td>Inventories</td>
<td>161</td>
<td>166</td>
<td>Deferred tuition revenue</td>
</tr>
<tr>
<td>Prepaid expenses and deferred charges</td>
<td>1,454</td>
<td>2,249</td>
<td>Advances under grants and contracts</td>
</tr>
<tr>
<td>Contributions receivable, current portion</td>
<td>3,246</td>
<td>3,865</td>
<td>Bonds payable, current portion</td>
</tr>
<tr>
<td>Total current assets</td>
<td>$43,300</td>
<td>52,314</td>
<td>Total current liabilities</td>
</tr>
<tr>
<td>Contributions receivable, net</td>
<td>2,695</td>
<td>2,179</td>
<td>Total liabilities &amp; net assets</td>
</tr>
<tr>
<td>Student loans receivable, net</td>
<td>8,310</td>
<td>7,862</td>
<td>Total net assets</td>
</tr>
<tr>
<td>Investments</td>
<td>273,377</td>
<td>286,828</td>
<td>Net assets</td>
</tr>
<tr>
<td>Deferred bond issue costs</td>
<td>1,099</td>
<td>2,441</td>
<td>Unrestricted</td>
</tr>
<tr>
<td>Deposits with bond trustee</td>
<td>9,748</td>
<td>10,150</td>
<td>Temporarily restricted</td>
</tr>
<tr>
<td>Educational plant, net</td>
<td>195,173</td>
<td>201,177</td>
<td>Permanently restricted</td>
</tr>
<tr>
<td>Funds held in trust by others</td>
<td>531,731</td>
<td>562,410</td>
<td>Total liabilities &amp; net assets</td>
</tr>
<tr>
<td>Total assets</td>
<td>$1,066,933</td>
<td>1,125,361</td>
<td>Total liabilities</td>
</tr>
</tbody>
</table>

Endowment and Funds Held in Trust by Others

May 31, 2006 (amount in thousands)

<table>
<thead>
<tr>
<th>Endowment and Funds Held in Trust by Others</th>
<th>2005</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endowment investments</td>
<td>$218,765</td>
<td>255,107</td>
</tr>
<tr>
<td>J.A. and Leta M. Chapman 1949 Trust</td>
<td>460,078</td>
<td>41,936</td>
</tr>
<tr>
<td>James A. and Leta M. Chapman Charitable Trust</td>
<td>293,112</td>
<td>310,786</td>
</tr>
<tr>
<td>Leta McFarlin Chapman Memorial Trust</td>
<td>154,883</td>
<td>164,927</td>
</tr>
<tr>
<td>Pauline McFarlin Walter Memorial Trust</td>
<td>39,835</td>
<td>41,936</td>
</tr>
<tr>
<td>Jay P. Walter Charitable trust</td>
<td>2,298</td>
<td>2,298</td>
</tr>
<tr>
<td>Other</td>
<td>442</td>
<td>143</td>
</tr>
<tr>
<td>Total endowment investments and funds held in trust by others</td>
<td>$770,496</td>
<td>872,517</td>
</tr>
</tbody>
</table>

Return on Endowment

Investment income | $2,045 | 1.1% |
Net gains designated for operations | 12,387 | 6.9% |
Net gains in excess of gains designated for operations | 4,944 | 5.5% |
Total investment return on endowment | $29,384 | 11.5% |

Return on funds held in trust by others

Distributions of income | $23,127 | 4.1% |
Increase in fair value | 166,578 | 5.5% |
Total investment return on funds held in trust by others | $23,805 | 9.6% |
This year’s football team became the first Golden Hurricane squad since the 1964-65 Bluebonnet Bowl teams to appear in consecutive bowl games.

An appearance in the Bell Helicopter Armed Forces Bowl against Utah of the Mountain West Conference marked Tulsa’s third bowl game in the last four seasons and 14th in school history.

Tulsa completed the regular season with an 8-4 record, including six straight victories and the team’s first appearance in the Bowl Championship Series Standings.

### Statement of Activities
May 31, 2006 (amounts in thousands)

<table>
<thead>
<tr>
<th>Revenues, gains and other support</th>
<th>Unrestricted</th>
<th>Permanently Restricted</th>
<th>Temporarily Restricted</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student tuition and fees</td>
<td>$74,742</td>
<td>$-</td>
<td>$-</td>
<td>$74,742</td>
</tr>
<tr>
<td><strong>Less:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University-funded scholarships</td>
<td>(17,997)</td>
<td>-</td>
<td>-</td>
<td>(17,997)</td>
</tr>
<tr>
<td>University-funded athletic scholarships</td>
<td>(3,965)</td>
<td>-</td>
<td>-</td>
<td>(3,965)</td>
</tr>
<tr>
<td>Scholarships funded by other sources</td>
<td>(7,815)</td>
<td>-</td>
<td>-</td>
<td>(7,815)</td>
</tr>
<tr>
<td>Net student tuition and fees</td>
<td>44,945</td>
<td>-</td>
<td>-</td>
<td>44,945</td>
</tr>
<tr>
<td>Endowment investment income</td>
<td>1,846</td>
<td>1,285</td>
<td>2</td>
<td>2,943</td>
</tr>
<tr>
<td>Income from funds held in trust by others</td>
<td>2,005</td>
<td>3,163</td>
<td>110</td>
<td>5,278</td>
</tr>
<tr>
<td>Gifts, grants, and pledges</td>
<td>5,277</td>
<td>12,375</td>
<td>2,460</td>
<td>20,162</td>
</tr>
<tr>
<td>Research services and sponsored projects</td>
<td>13,761</td>
<td>-</td>
<td>-</td>
<td>13,761</td>
</tr>
<tr>
<td>Sales and services of educational departments and public services</td>
<td>5,728</td>
<td>-</td>
<td>-</td>
<td>5,728</td>
</tr>
<tr>
<td>Student loans - interest and late charges</td>
<td>175</td>
<td>-</td>
<td>31</td>
<td>206</td>
</tr>
<tr>
<td>Sales and services - auxiliary enterprises</td>
<td>19,462</td>
<td>-</td>
<td>-</td>
<td>19,462</td>
</tr>
<tr>
<td>Net endowment gains designated for operations</td>
<td>6,486</td>
<td>5,891</td>
<td>10</td>
<td>12,387</td>
</tr>
<tr>
<td>Other</td>
<td>2,717</td>
<td>142</td>
<td>-</td>
<td>2,859</td>
</tr>
<tr>
<td><strong>Net assets released from restrictions</strong></td>
<td>30,785</td>
<td>(30,719)</td>
<td>(66)</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total revenues, gains and other support</strong></td>
<td>$142,836</td>
<td>$5,277</td>
<td>$3,185</td>
<td>$151,298</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenses</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruction</td>
<td>50,647</td>
<td>-</td>
<td>-</td>
<td>50,647</td>
</tr>
<tr>
<td>Research</td>
<td>14,692</td>
<td>-</td>
<td>-</td>
<td>14,692</td>
</tr>
<tr>
<td>Public service</td>
<td>5,339</td>
<td>-</td>
<td>-</td>
<td>5,339</td>
</tr>
<tr>
<td>Academic support</td>
<td>16,113</td>
<td>-</td>
<td>-</td>
<td>16,113</td>
</tr>
<tr>
<td>Student services</td>
<td>12,123</td>
<td>-</td>
<td>-</td>
<td>12,123</td>
</tr>
<tr>
<td>Institutional support and other</td>
<td>18,320</td>
<td>-</td>
<td>-</td>
<td>18,320</td>
</tr>
<tr>
<td>Auxiliary enterprises</td>
<td>22,670</td>
<td>-</td>
<td>-</td>
<td>22,670</td>
</tr>
<tr>
<td><strong>Total expenses</strong></td>
<td>140,102</td>
<td>-</td>
<td>-</td>
<td>140,102</td>
</tr>
<tr>
<td>Increase from operating activities</td>
<td>2,734</td>
<td>5,277</td>
<td>3,185</td>
<td>11,196</td>
</tr>
</tbody>
</table>

| Non-operating activities           |              |                        |                        |       |
| Net endowment gains designated for operations | 4,243   | 9,771                  | 40                     | 14,054|
| Change in donor restriction        | -            | (371)                  | 371                    | -     |
| Increase in fair value of funds held in trust by others | 4,243   | -                      | 3,067                  | 30,678|
| Increase from non-operating activities | 4,243   | 9,400                  | 31,089                 | 44,732|
| **Change in net assets**           | 6,077        | 14,677                 | 34,274                 | 55,028|
| Net assets, beginning of year as restated (note) | 160,913  | 128,320                | 63,878                 | 352,218|
| Net assets, end of year            | $167,980     | $140,957               | $86,512                | $395,459|

**2007 TU Football Schedule**

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Location</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/30/07</td>
<td>at Louisiana-Monroe</td>
<td>Monroe, La.</td>
<td></td>
</tr>
<tr>
<td>9/15/07</td>
<td>vs. BYU</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>9/21/07</td>
<td>vs. Oklahoma</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>9/29/07</td>
<td>vs. UAB</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>10/06/07</td>
<td>at UCF</td>
<td>2007 UCF Stadium</td>
<td></td>
</tr>
<tr>
<td>10/13/07</td>
<td>vs. Marshall</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>10/20/07</td>
<td>at UCF</td>
<td>Orlando, Fla.</td>
<td></td>
</tr>
<tr>
<td>10/27/07</td>
<td>vs. SMU</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>11/03/07</td>
<td>at Tulane</td>
<td>New Orleans, La.</td>
<td></td>
</tr>
<tr>
<td>11/10/07</td>
<td>vs. Houston</td>
<td>Skelly Field</td>
<td></td>
</tr>
<tr>
<td>11/17/07</td>
<td>vs. Army</td>
<td>West Point, N.Y.</td>
<td></td>
</tr>
<tr>
<td>11/24/07</td>
<td>at Rice</td>
<td>Houston, Texas</td>
<td></td>
</tr>
</tbody>
</table>

* Conference game
Mildred McKee (Ed.D. ’66) inspired her students when she taught home economics at The University of Tulsa.

Even now that she has retired from the classroom, McKee continues to inspire a generation of students through the Mildred McKee Endowment Fund, a scholarship program that will be designated for women at the sophomore level or above. A portion of the endowment also will support the McFarlin Library.

Through the years, McKee observed that many students are able to pay for their first year of college with help from their parents, but often money runs out by their second year of school. Women particularly may not realize the need for an education until they’ve had children, she said.

“I am a believer in education,” McKee said, “and I want women to attend the best university possible.”

During her 25-year teaching career at TU, McKee initiated the HELLO (Higher Education: Learning for Learning’s Sake Only) program that provided noncredit courses to the public. McKee also was inspired by one of her students to study the accessibility of buildings to the handicapped and work for greater access.

For more information on how you can make a planned gift to the University, call Jan Zink, senior vice president for planning and outreach, at (918) 631-3343.