STATE OF CHANGE Texas has one of the country’s most recognizable shapes. But you’ll be hard-pressed to see that familiar form in the maps of early cartographers. p. 26

REASONS TO SHINE A novel fluorescent polymer could revolutionize cancer therapy and yield breakthroughs in biosensing, immunology, drug delivery, and tissue engineering. p. 32

DEGREES OF SEPARATION Enticed by world-class offerings and opportunities for professional advancement, thousands of students are choosing UT Arlington’s graduate programs. p. 36

Whistling While They Work

NBA REFEREE
Monty McCutchen ’88

NFL OFFICIAL
Undrey Wash ’86
Future Mavericks learn what it takes to succeed at UT Arlington during a new student orientation session in the E.H. Hereford University Center.
The University of Texas at Arlington is on a mission. Our goal is clear and focused—to transform our university into one of the next great American research institutions, to become a Tier One university in every respect.

When you’ve set the bar as high as we have, we progress is measured not in incremental or baby steps, but in major milestones. Each calculated stride must be bold, confident, and strategic.

A hallmark of our vision for the future is captured in our magnificent new Engineering Research Complex, which faculty members will begin moving into in just a few months.

What better way to demonstrate our commitment to cutting-edge research than this state-of-the-art facility dedicated to engineering and science laboratories and instruction. The students and faculty members who build their careers in this complex will generate new ideas and new knowledge that will define the next generation of research at UT Arlington.

As one construction project ends, another (or two, or three) begins here at UT Arlington. Construction is well under way on our spectacular $78 million special events center. It won’t be long before this hub of downtown activity will be hosting concerts, commencements, lectures, volleyball, basketball, and numerous other community events.

The promise of this facility will soon be fulfilled, and our Mavericks will ensure that the home court advantage they so richly deserve.

Right next door to the special events center is another breaking ground on one of our most ambitious projects yet—College Park.

This mixed-use development represents a growing partnership between the University and the City of Arlington and is the manifestation of our plan for downtown Arlington’s revitalization as a thriving college town district. College Park will include a residence hall, student apartments, retail shops and restaurants, and an impressive 1,800-car parking garage. At the heart of College Park will be a beautiful welcome center for UT Arlington—a new front door for prospective students and their families.

Our campus infrastructure isn’t the only thing growing. Due to our strategic initiative to dramatically increase our enrollment without sacrificing quality, last fall we experienced unprecedented double-digit growth—reaching a total enrollment of more than 28,000 students.

We continued our trend with record enrollment for both this past spring and summer. And we’re anticipating enrollment of more than 30,000 students this fall.

While the numbers are remarkable, the academic quality of our incoming students is what’s most impressive. We continue to attract and enroll a diverse mix of students who are at the top of their high school class and who are attracted to an outstanding institution like UT Arlington.

This fall’s entering class was welcomed as no other class before them—with the support and guidance of our new University College. Appropriately housed in Ransom Hall, our oldest building located right in the center of campus, University College brings to this wide range of services, including academic advising, tutoring, and counseling, that are essential to student success.

Finally, on a smaller yet no-less-meaningful scale, the magazine you’re reading represents another milestone for UT Arlington. For the first time in the history of the University, we’re mailing our flagship publication, UT Arlington Magazine, to all of our alumni, as well as to our growing list of supporters—approximately 145,000 of you to be exact.

We hope UT Arlington Magazine helps you discover, or perhaps rediscover, all that makes UT Arlington such a special place. We look forward to sharing our news with you three times each year, and we look forward to hearing from you as well. Please keep in touch. We hope to see you on campus soon.

President Spanoilo put UT Arlington on course to become one of America’s next great research universities.
Facebook

ALEXZANDRIA SIPRIAN major Alexzandria Siprian says at her parents’ urging, Siprian challenged herself to venture beyond her residence hall room and get involved in campus life. She’d always wanted to try acting but never found the time—until last spring when she embarked on a potentially life-changing journey. Fall also means the State Fair of Texas and, if we’re lucky, leaves that turn brilliant shades of yellow, orange, and red before falling to the ground. When seen through the lens of photography major Andrew Buckley, autumn imagery can represent the unexpected: fog rolling past a bridge in the early hours of a November morning or a sunset reflecting off a field. I believe that the earlier more students in these critical fields. I also believe that universities like your own are always needed help out there. As always, when working this very “fossiliferous” site, I can’t wait for what is yet to come! DARLENE SUPERFELT Allen, Texas

E-mail

AT THE FOREFRONT OF SCIENCE EDUCATION

I found your magazine quite by accident. As I was searching online for information about improving math performance in schoolchildren, I came across “Creating the Next Einsteins” from your winter 2010 issue. As a long-time educator, I have seen first-hand the declining interest in math and science among elementary, junior high, and high school students. It is very discouraging to know that these interests like yours are aggressively trying to engage more students in these critical fields. I believe that the earlier we start to pique children’s interest in science, technology, engineering, and mathematicsc (the STEM areas), the more likely they will be to pursue one of these fields as a career.

I look forward to the day when, indeed, we will be able to create the next generation of Einsteins.

SARAH DAVIDSON Phoenix, Ariz.

DIGGING THE COVERAGE

Thank you for the outstanding job by your staff on covering the Arlington Archosaur Site in the winter issue of UT Arlington Magazine. The thorough research of your writers and the high-quality images taken by your staff photographers truly captured both the importance of the ongoing dig and the essence of the dig site and of the people involved. They did a top-notch, bang-up job and thank you.

DEREK J. MAIN Arlington, Texas

P.S. Send us some diggers. We always need help out there.

CONTRIBUTIONS TO SCIENCE BRING REWARDS

I really enjoyed your article on the Arlington Archosaur Site. The story and photos thoroughly captured the essence of what makes the site so unique. As a member of the dig crew and preparator of the fossil bones for two years, I can’t begin to express all the different areas of satisfaction I’ve experienced working at the site. From the great reward of contributing to science, to the making of new and dear friends, it has truly been a great experience. And as always, when working this very “fossiliferous” site, I can’t wait for what is yet to come!

DARLENE SUPERFELT

“More Than a Hobby”

Thank you for the excellent, and faithfully accurate, coverage of my life’s work in “The Final Word on Stress.” I am very impressed with the way O.K. Carter was so on point in capturing the intentions as well as the words in my research and practice.

Robert Crosby helped my home life, too, because my wife, Sheri, was very pleased with the photo you chose to accompany the article. My former running buddy from accounting called stress my hobbyhorse. For me, it was, is, and always will be one of my passions. So, I guess the final word is not out yet.

JAMES CAMPBELL QUICK

Arlington, Texas

YouTube

ONCE A MAVICK, ALWAYS A MAVICK

A record number of graduates celebrated their hard work with pomp, circumstance, and plenty of cheers at spring commencement ceremonies in Texas Hall. View the “UT Arlington Commencement 10” video at www.youtube.com/UTArlington.

Flickr

AUTUMN EXPOSURES

Each fall launches a new academic year, bringing renewed excitement as a fresh generation of Mavericks embarks on a potentially life-changing journey. Fall also means the State Fair of Texas and, if we’re lucky, leaves that turn brilliant shades of yellow, orange, and red before falling to the ground. When seen through the lens of photography major Andrew Buckley, autumn imagery can represent the unexpected: fog rolling past a bridge in the early hours of a November morning or a sunset reflecting off a field. I believe that the earlier more students in these critical fields. I also believe that universities like your own are always needed help out there. As always, when working this very “fossiliferous” site, I can’t wait for what is yet to come! DARLENE SUPERFELT Allen, Texas

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LET’S SOCIALIZE

Check us out on your favorite social media sites. We welcome your posts, tweets, and photographs for possible inclusion in the next issue of UTArlington Magazine.

Facebook.com/stemmagazine to become a fan and get updates on your newfeed.

Twitter.com/stemmagazine Follow us on Twitter for the latest.

Flickr.com/stemmagazine Post your best photos so we can see what you’re up to.

GET INVOLVED

If you’ve got a great idea for a story or photograph, we’d love to hear from you! Contact us at 817-272-3258 or email us at stemmagazine@uta.edu. We want to hear from you!

FALL 2010

4" UTArlington Magazine
City of Arlington supports University’s mixed-use development project

Come 2012, UT Arlington and the city of Arlington will begin the next phase of their relationship. That’s when College Park—a mixed-use development just north of the planned special events center—is expected to open.

“College Park will play a critical role in building the life of our city,” Arlington Mayor Robert Cluck says. “It will be a living and shopping destination and also provide vital parking support for major downtown events.”

The $80 million project includes residence halls, apartments, parking garage, and retail space. Designed by Jacobs Engineering Group in Fort Worth, the facility mixes glass with metal, brick, and stone. The special events center, scheduled to open in late 2011, will be home to UT Arlington basketball and volleyball but also the site of community events such as concerts and high school commencements.

“This is a model for town-gown partnerships,” UT Arlington President James D. Spaniolo says. “More and more, our students are demanding high-quality residences close to class, and College Park will help meet that need.”

The $80 million project includes residence halls wrapped around an 1,800-vehicle parking garage with street-level retail and office suites south of UT Arlington Boulevard, between Pecan and Center streets. College Park also will include a campus welcome center, a satellite campus police station, and—in response to rising demand for on-campus housing—a 81 apartment units.

The development marks the largest partnership to date between the University and Arlington. The city plans a special events center currently under construction, as well as visitors to other downtown venues.

Urban Vibrancy

City of Arlington supports University’s mixed-use development project.

The special events center, scheduled to open in late 2011, will be home to UT Arlington basketball and volleyball but also the site of community events such as concerts and high school commencements.

“College Park will help create a true college town through its shops and offices and through those who take advantage of the new parking garage for special events center activities.” —James D. Spaniolo, UT Arlington President

Next stop, Arlington: The internship overall was just a great learning experience. It was broadening in the way that I didn’t have to come home. We worked seven days a week and something like 10,000 or more a day. Some are requests for congratulatory messages to Eagle Scouts or newborns, but others are more serious. My department specifically dealt with letters that could be characterized as ‘cries for help.’

What are those? They’re letters from seniors facing different crises, such as foreclosure, 9/11 benefits, or delayed veterans’ benefits. One letter I handled was from an elderly man who had a Social Security problem. When it was straightened out, he ended up receiving a sum of about $50,000 for back payments.

Sounds like a rewarding job. The internship overall was just a great learning experience. I’m much more aware of what’s going on outside my own world now.

How were you able to stay? I was in the Office of Presidential Correspondence staff, but she ended up resigning because of medical and family issues. For a while I really thought I would have to come home.

Did you get to meet the president? Yes, and I was able to hear from Vice President Joe Biden, Chief of Staff Rahm Emanuel, and first lady Michelle Obama during an interns’ speakers series. Mrs. Obama was my favorite, she is so genuine.

What was the most challenging part about the internship? Being away from my husband and son was very difficult. But the biggest challenge came not from the work itself, but from the logistics. For me to get an academic credit for the internship, a licensed social worker had to supervise my work. Originally, I made an arrangement with someone from the Office of Presidential Correspondence staff, but she ended up resigning because of medical and family issues. For a while I really thought I would have to come home.

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How were you able to stay? I was in the Office of Presidential Correspondence staff, but she ended up resigning because of medical and family issues. For a while I really thought I would have to come home.

Was it smooth sailing after that? Not quite. I had quit a full-time job to take the internship, but everything in Washington, D.C., is more expensive than I realized. My family’s budget was really strained, and again I faced the possibility of having to return home. But I sent to President Spaniolo explaining the situation, and he awarded me a Presidential Scholarship. That allowed me to finish my internship.

So you wrote your own “cry for help” to the president? Seems appropriate, doesn’t it?

You recently served a White House internship. Where did you work? Here in the Agency Law Division of the Office of Presidential Correspondence. The office receives about 66,000 letters a week and something like 10,000 or more a day. Some are requests for congratulatory messages to Eagle Scouts or newborns, but others are more serious. My department specifically dealt with letters that could be characterized as ‘cries for help.’

What are those? They’re letters from seniors facing different crises, such as foreclosure, 9/11 benefits, or delayed veterans’ benefits. One letter I handled was from an elderly man who had a Social Security problem. When it was straightened out, he ended up receiving a sum of about $50,000 for back payments.

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Crash Course Video for iPhone

hand at developing a video students can also try their to creating the videos, the only such college course way. In fact, theirs may be his students are leading the small format, and Weiss and direct videos for and phone. There’s an art to with Apple’s popular smart class, he teaches syllabus. In his Video for phones in his classroom, ART 4397

expected to open by December 2011, the special events center ences, commencement ceremonies, and other community events. Construction is under way on the special events center on the eastern edge of campus. Designed by HKS Inc., the $76 million multipurpose venue will rise between Second and Third streets east of South Ryan Street. The center offers UT Arlington’s basketball and volleyball teams a state-of-the-art home court and gives downtown Arlington a signature facility for world-class concerts, confer-ences, commencement ceremonies, and other community events. Expected to open by December 2013, the special events center will seat about 6,500 for a concert-style concert and more than 6,600 for a traditional court-based athletics event. Tossing the first shovels of dirt during groundbreaking ceremonies last spring were, from left, KTVT news anchor Karen Borta (’87 BA), Arlington Mayor Robert Clark, UT Arlington President James D. Spaniolo, and Maverick basketball player Marqueri Hayes.

What classes should I take my freshman year? Where can I find a tutor to help me prepare for my macroeconomics final? Can I talk with a counselor about balancing the stress of school with family demands? These answers and more are easier to find this fall with the debut of University College in the renovated Ranson Hall. University College is a one-stop shop for academic advising, tutoring, supplemental instruction, and a range of counseling services. “This is a welcoming place for students,” says Donald Bolte, provost and vice president for academic affairs. “They won’t leave this building without someone understanding their problem and at least starting toward a solution.” The three-story Ranson Hall, which opened in 1955, is the oldest building on campus. But a $27 million renovation has given it a modern feel. Maverick orange and blue mix with sleek celadon green counters and contemporary furnishings. The main entrance shares a plaza to the north with the E.H. Hereford University Center. Better yet, University College pulls together academic and counseling services—previously scattered across campus—under one roof. Audio/visual equipment, Wi-Fi, and high-speed Internet aid the instructional process. A large conference room is available for group sessions, while private tutoring and counseling offices provide quiet space for one-on-one interaction. The renovation is part of the University’s larger effort to recruit top scholars, improve student retention, and help more students earn their undergradu ate degrees in a timely manner. Dr. Bolte says UT Arlington will do what it takes to help first-year students achieve a grade-point average that will help them advance toward whatever major they choose. “If we can get them to their sophomores year,” he says, “we know they can succeed.”

FLYING DIRT

Construction is under way on the special events center on the eastern edge of campus. Designed by HKS Inc., the $76 million multipurpose venue will rise between Second and Third streets east of South Ryan Street. The center offers UT Arlington’s basketball and volleyball teams a state-of-the-art home court and gives downtown Arlington a signature facility for world-class concerts, confer-ences, commencement ceremonies, and other community events. Expected to open by December 2013, the special events center will seat about 6,500 for a concert-style concert and more than 6,600 for a traditional court-based athletics event. Tossing the first shovels of dirt during groundbreaking ceremonies last spring were, from left, KTVT news anchor Karen Borta (’87 BA), Arlington Mayor Robert Clark, UT Arlington President James D. Spaniolo, and Maverick basketball player Marqueri Hayes.

A new $1.16 million endowment will help future stu-dents at UT Arlington develop a better understanding of global languages and cultures. Betty Rush donated $580,000 on behalf of herself and her late husband, Roger, to establish the Charles T. McDowell Center for Critical Languages and Area Studies. The contribution will double through Maverick Match, a program that matches major gifts using the University’s natural gas royalties.

Dr. McDowell, who died in 2007, was a distinguished UT Arlington professor who established the Center for Post-Soviet and East European Studies at the University in 1968. The Rush endowment gives the new center within the College of Liberal Arts a global focus, includ-ing Russia, the Baltic States, the Caucasus, Central Asia, Eastern and Central Europe, and the Balkans.

In addition to the study of critical languages and the history of cultures in these geographic areas, the center will sponsor lectures by experts and provide annual scholarships for exchange students. Political science Professor Mark Chichok is the interim director.

“The contributions of the McDowell center will be immense in terms of our commitment to global under-standing,” President James D. Spaniolo says. “Endowments like this play a major role in the University’s work to become a nationally recognized research institution.”

The Rushes were the host family to 28 exchange students. They met McDowell in 1970 during their 17-year quest to host a student from the Soviet Union. The couple admired McDowell’s work and shared his desire to provide students from other nations a broad-based education and exposure to American life.

“The center is a fitting way to honor a man who devoted his career to giving exemplary service to his university, his country, and communication between the peoples of the world,” College of Liberal Arts Dean Beth Wright says.
Grants

DOCTORAL FELLOWSHIPS
The National Science Foundation has awarded UT Arlington $98,750 for 2010-2011 to increase the number of students attaining doctoral degrees in science, technology, engineering, and mathematics. Funding for the Bridge-to-Doctorate fellowships comes from the NSF’s Louis Stokes Alliance for Minority Participation program.

COMMERCIALIZATION GRANTS BOOST ECONOMY

Breakthroughs in cancer detection and synthetic fuels helped UT Arlington earn the most awards for Texas Ignition Fund (TIF) projects of any UT System institution. UT Arlington has received $475,000 for 10 projects, the latest being mechanical and aerospace engineering Assistant Professor Haiying Huang’s work on unpowered, wireless ultrasound sensing systems. Dr. Huang’s grant was awarded in the last of five rounds of TIF support. The UT System Board of Regents created the $2 million TIF grant program in December 2007. The initiative is designed to stimulate commercialization of research discoveries at the 15 UT System institutions by providing early-stage funding for the development and maturation of such discoveries into marketable intellectual property, particularly to help bridge the gap between discovery and invention. “It’s extremely difficult to get money for proof-of-concept work in today’s economic environment,” says Ron Ellenhuemer, UT Arlington’s vice president for research and development. “It’s a huge leap forward for the UT System to do this. It shows tremendous forward thinking on the System’s part.” Another UT Arlington recipient, bioengineering Professor Hanh Liu, is developing a low-cost, real-time, optically guided needle biopsy system that improves prostate cancer diagnosis. In a third project, mechanical and aerospace engineering Assistant Professor Brian Dennis and industrial engineering Professor John Priester are building a microreactor that converts North Texas Barnett Shale natural gas to synthetic gasoline, diesel, and jet fuel. Other UT Arlington-awarded TIF projects involve research on drug development, solar cells, prosthetic skin, sensors, energy conversion, and a blood oxygenator.

DOCTORAL FELLOWSHIPS

YUE DENG, AMIR FARBIN
Physics Assistant Professors Yue Deng and Amir Farbin have received early career awards from the National Science Foundation and the Department of Energy, respectively. Dr. Deng is studying energy output from the magnetosphere and its impact on the planet’s upper atmosphere. Dr. Farbin is examining dark matter and dark energy using the ATLAS detector at the Large Hadron Collider in Switzerland.

MATTHEW WRIGHT
Computer science and engineering Assistant Professor Matthew Wright has received a five-year Faculty Early Career Development award from the National Science Foundation. He is designing an anomaly system that can provide more effective and efficient Internet privacy protection than existing designs.

DNA DISCOVERY

UT Arlington researchers have concluded that there’s more than one way to transfer DNA among species. Genome biologist Cedric Pechatte and post-doctoral researchers Clément Gilbert and Sarah Schaack found the first solid evidence of horizontal DNA transfer—the movement of genetic material among non-mating species—between parasitic invertebrates and some of their vertebrate hosts. The long-held theory is that mammals obtain genes vertically, or handed down from parents to offspring. Bacteria receive their genes both horizontally and also horizontally, passed from one unrelated individual to another or even between different species. The findings were published in Nature, one of the world’s foremost scientific journals.

Good Chemistry

Energy, health care, and other industries could benefit from a new endowed chair in the Department of Chemistry and Biochemistry.

Dionex Corp. recently donated $500,000 to create the Hamish Small Chair of Ion Analysis. The amount will double as a result of Maverick Match, a program that leverages UT Arlington’s national gas royalty funds. Small invented suppressed ion chromatography, the technique by which most ions are analyzed. “He is one of the giants of modern analytical chemistry,” says Christopher Pohl, Dionex senior vice president of research and development. “We at Dionex wanted to honor his many contributions to analytical chemistry by permanently endowing a chair named in his honor. UT Arlington is a perfect setting for such an honor.” Pamela Jansma, dean of the College of Science, notes that the Dionex gift is the California-based company’s first such endowment and is particularly noteworthy for the company’s multinational presence and work with academic organizations. “UT Arlington has the leading ion chromatography research group in the world,” Dr. Jansma says. “So the endowment is a natural fit.” UT Arlington researchers have conducted basic studies on eluent generation and suppression, carbon dioxide removal, online concentration, charge detection, and capillary-scale ionic separation and detection techniques. Small never worked for Dionex, but his efforts to develop new ion exchange columns and an ion suppressor helped pave the way for companies like Dionex, the market leader in ion chromatography instrumentation. Ion chromatography enables the separation of ions based on their charge. It is widely used in diverse industries, from power generation to water analysis to pharmaceuticals to semiconductor fabrication.
Lend Us Your Ears

Legendary documentary filmmaker Ken Burns kicks off 2010-2011 Maverick Speakers Series

The third season of UT Arlington’s marquee lectures, the Maverick Speakers Series, begins in September with an Oscar-nominated filmmaker and will include an iconic baseball player, a celebrity chef, a beloved scientist, and a groundbreaking TV journalist.

Ken Burns, whose documentaries include the Oscar-nominated The Brooklyn Bridge, The Civil War, and National Parks, will speak Sept. 24. That’s just three days before the debut of his newest film, Tenth Inning, a two-part continuation of the Baseball series that aired 16 years ago to an audience of 84 million viewers. Burns’ appearance at UT Arlington—the only collegiate stop he’s making in advance of his new film—coincides with the University’s annual Leadership Summit.

Chef Rick Bayless will speak Oct. 14. He is best known for his PBS series Mexico: One Plate at a Time and for winning the first season of Top Chef Masters on the Food Network. He owns two emblematic Chicago restaurants, Frontera Grill and Topolobampo, and is the man behind the Frontera brand in supermarkets. He has several bestselling cookbooks and is a James Beard Award winner.

Lisa Ling, who hosts Explorer on the National Geographic Channel and is a regular correspondent to The Oprah Winfrey Show, comes to campus Nov. 24. She has gained recognition for her coverage of women’s issues around the world, including the imprisonment of her sister, journalist Laura Ling, in North Korea last year. Ling gained recognition for her coverage of women’s issues around the world, including the imprisonment of her sister, journalist Laura Ling, in North Korea last year. Ling was named as one of the 50 most influential people in the world by Time magazine. She is the author of the New York Times bestseller, Inside Out, which was published in 2007.

Rolland Fryer

A Time magazine article de- signed by Rolland Fryer (1981 BBA) may sound like a child’s daydream. In New York, Chicago, Washington, D.C., and Dallas to make good grades, Dr. Fryer is a professor of economics at Harvard University.

NURSING PROGRAM COMBINES ONLINE, ON-SITE LEARNING

Niki Gould sums up the best aspect of the recently launched Academic Partnership Bachelor of Science in Nursing (AP-BSN) program in one word: flexibility. "I can do a class at 3 a.m. if I want to," she says. "Or do it in the morning. I don’t do that, but some of my classmates do." Gould, a junior who plans to be a pediatric nurse, is among the first cohort of 40 students who began the 15-month program in January. The AP-BSN combines a media-saturated online format with extensive clinical experience to address two aspects of the national nursing shortage: lack of faculty and insufficient clinical learning spaces. Clinical training for the first cohort at Baylor Health Care System, Medical City-Dallas, and Parkland Health & Hospital System. The College of Nursing plans to offer the AP-BSN program to more than 170 hospitals in the state’s Academic Partnership network. "Innovative approaches to enrolling and supporting students into schools of nursing are paramount," she says. "We face a significant nursing shortage."

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If you could cure any disease, what would it be? Cancer? Diabetes? Stroke? Bioengineering Professor Jin G Park and Ramon Saban, an associate professor at UT Southwestern Medical Center at Dallas, are exploring all of the above with their research on stem cell production and harvesting. They have discovered that by utilizing medical devices such as catheters, they can create 200 times as many adult stem cells as other harvesting methods. Moreover, the adult stem cells created are multi-potent, meaning they have all kinds of functions. “In our research, the stem cells recovered could be reintroduced into the same person who produced them to help fight disease,” Dr. Tang says. “Those adult stem cells also could be used for tissue engineering and stem cell therapies.” The research team already has produced heart stem cells outside the body, as well as muscle, fat, nerve, and bone cells. Currently, bone marrow is considered the most abundant source of adult stem cells, as it can yield 50,000 stem cells from one patient. Tang’s method can yield more than 100 million stem cells. “We have done more testing, but preliminary reports have been encouraging,” he says. “The new cells are going home into the site of an injury.” The professor thinks that in two to five years donors could be using an adult stem cell patch just like a blood bank. “Imagine people coming into the lab and getting adult stem cells for their spinal cord injury or diabetes. That would be marvelous.”
Gallery

Golf Course Art

**PLANE AIR**

Local golfers saw more than greens and fairways last summer as Lake Arlington Golf Course displayed 12 sculptures by UT Arlington students. Plane Air was the brainchild of sculpture Assistant Professor Darryl Lauster, who approached course officials about the idea of putting an exhibit on the course, and received $500,000 from the Arlington Golf Course Foundation.

The works were created by students in Lauster’s studio art and intro to sculpture classes (intermedia works use less traditional materials). Some of the sculptures were site-specific and addressed the course landscape; others were abstract constructions designed to contrast with their environment. Lauster says the project has set the venue itself inspirational. “In the chosen environment, the students typically would be told to create a piece within a limited range of sizes. This project freed them from those kinds of boundaries.”

The exhibit’s name comes from a consensus of courses with names painting or drawing outlines, as in the open air. Students changed the phrase to plane a work as a nod to the sculptor’s plane, a carving tool.

**MAGIC WORDS**

As you do best and stick with it when along the words of wisdom offered by Kevin “Magic” Johnson during his Maverick Speakers Series lecture earlier this year. The former Los Angeles Lakers star urged the Texas Hall crowd to work hard and dream big. A three-time NBA Most Valuable Player and member of the Basketball Hall of Fame, Johnson is now chairman and CEO of Magic Johnson Enterprises, a company that focuses on urban communities. He signed copies of his best-selling book, 25 Ways To Be A Champion in Business, and received a UT Arlington basketball jersey. Astronaut Sally Ride and CNN legal analyst Jeffrey Toobin rounded out the spring 2010 Maverick Speakers Series lineup.

**ENGINEERING RESEARCH BUILDING NEARS COMPLETION**

Construction on the 234,000-square-foot Engineering Research Building (ERB) near the corner of Cooper Street and UT Arlington Boulevard remains ahead of schedule. “We’re more than 85 percent complete,” says Bill Amendola, senior project manager for the project.

ERB is designed to meet requirements for Leadership in Energy and Environmental Design Silver certification. Its energy-saving features include green and light-directing roof, window designs for improved use of available light, rain and condensate water capture and storage for landscaping, and use of recycled materials.

Furniture will be installed in November and equipment in December, with occupancy scheduled for January 2011. Ribbon-cutting ceremonies are slated for March and will be held in conjunction with the UT Arlington Development Board meeting.

**Generous Act**

Gift from actor Morgan Woodward brings Film Studies Program into sharper focus

The “Man with No Eyes” is doing his part to ensure a bright future for UT Arlington film students. Morgan Woodward, the actor best known for his portrayal of the chain-gang guard behind the mirrored shades in the 1967 film Cool Hand Luke, has established a $500,000 endowed professorship for the University’s Film Studies Program.

Woodward, 84, graduated from North Texas Agricultural College (now UT Arlington) in 1944 and was named a Distinguished Alumnus in 1969. He frequently portrayed villains during an acting career that spanned more than 250 movies and TV shows, including Lassie’s Run and Gunsmoke.

“Mr. Woodward indicated a strong desire to give back to his alma mater and was prompted to make this generous gift now in order to take advantage of the Maverick Match program, which will double the impact of his gift,” said Jim Lewis, UT Arlington’s vice president for development.

Woodward has followed the University’s growth and the work produced through the Film Studies Program, which is part of the Department of Art and Art History in the College of Liberal Arts.

“I wanted to pass on my love for acting and film with UT Arlington students by establishing the endowed position to assist in attracting of outstanding professors in the field of film, video, and screenwriting,” he says of his $500,000 gift.

Professor Andy Anderson, founder of the film program, says the endowment is timely. The program has three full-time faculty members but needs at least five with the recent addition of a Master of Fine Arts degree.

“It’s a fantastic endorsement of our 35 years of great work on a shoestring budget,” Anderson says. “It’s all the more remarkable because Mr. Woodward is an acclaimed actor and knows what quality film work is.”

**CAMPUS**

Numbers

3,116

The spring 2010 graduating class was the University’s largest, as 1,316 candidates crossed the Texas Hall stage. The class was 10.5 percent larger than last year’s previous high mark, with 2,461 students receiving undergraduate degrees and 651 earning master’s or doctoral degrees.

28,813

Enrollment hit a record 28,813 in spring 2010, a 14.6 percent increase over spring 2009. It was the first time spring enrollment and ended the previous fall’s total. Another record is expected when enrollment figures are released later this fall.

150,000,000,000,000

That’s 100 trillion for those unfamiliar with all the zeros. The world’s largest atom smasher, the Large Hadron Collider, has transferred more than 150 trillion bytes of collision data to UT Arlington since April. Physicists at the University are participating in the ATLAS experiment at CERN near Geneva, Switzerland.

6,000

The KEA–A test program offered by the UT Arlington Bookstore continues to grow. Students rented about 6,000 books in spring 2010, and bookstore officials say that number could double this fall. The program provides a more affordable option to buying textbooks.

580,000

UT Arlington plans to add approximately 580,000 square feet of building space by 2012. Since 2003 the University has added 1.3 million square feet.

31
JASMINE WALLS

Senior Jasmine Walls was named the Southland Conference women’s outstanding track performer and finished her career as a 10-time SLC champion.

TERRI LYLES

Mother Terri Lyles received the Southland Conference Freshman of the Year award in softball. She led the team in earned run average (2.76), wins (5), and innings pitched (292).

SARAHANNA CHUMCHAL

Senior catcher Samantha Chumchal was named to the All-Southland Conference first team. Both teams finished second in the Conference first team. Both posted a 12-3 record and was named to the All-Southland Conference first team. She had six innings pitched (219.2). He led the team in earned run average (1.78), wins (15), and he was surprised to learn that Johnson knew who he was. Word spreads quickly when a player can score like Haynes.

JASON MITCHELL

Senior pitcher Jason Mitchell struck out 83 batters, breaking the UT Arlington single-season record of 104. He also broke the school record for strikeouts in a game with 18 against Missouri State.

DAIANA NECREANU

Junior Daiana Necreanu posted a 1.35 record and was named to the All-Southland Conference first team. Both the women’s and men’s teams finished second in the SLC Tournament.

ZACK FISHER

Junior Zack Fisher was named to the All-Southland Conference golf first team and was invited to participate in the NCAA Regional Golf Tournament in San Diego. He was second in the SLC with a 72.18 stroke average.

MARQUEZ HAYNES

Record-setting season propels Marquez Haynes into the national basketball spotlight

Guard Marquez Haynes isn’t supposed to be the basketball player who was third in the nation in scoring last season, whose spectacular dunks have 20,000 YouTube hits, who’s editor-in-chief of the UT Arlington record book. He’s not supposed to be someone Magic Johnson has heard of (‘Magic Johnson!’).

He’s not supposed to be any of those things, because Marquez Haynes ‘ain’t supposed to be nothing.” At least that’s what his mother was told.

Marquez was just a kid when someone predicted to Angela Haynes that her children would never cut. She won’t say who it was, but it doesn’t matter to Marquez. He has heard doubts from everywhere and everyone, and he blows past them like they’re flat-footed defenders.

‘My teachers told me, ‘You’re probably not going to play professional basketball,’ and I’m in class saying, ‘I’m different!’ And they’re telling me that I’m not. I’m not sure how many of them even know what I’m doing now. But it would be interesting to talk to them.”

The Haynes legend took flight in summer 2009 when video of him jumping over 6-foot-stout Cowboys wide receiver Roy Williams for a jaw-dropping dunk during a charity basketball game became an Internet favorite.

Next came the greatest individual basketball season in UT Arlington history, during which he led the nation in scoring for a time before finishing third with 22.6 points per game.

He broke the University’s 25-year record for points in a season (1,000) and became only the second Maverick with 1,000 points in a two-year span. He was named the Southland Conference Player of the Year and honorable mention All-American, and he participated in the NCAA’s slam dunk contest during the Final Four.

He wasn’t bad off the court, either. He got face time with Magic Johnson last spring when the NBA legend spoke on campus, and he was surprised to learn that Johnson knew who he was. Word spreads quickly when a player can score like Haynes.

He earned a bachelor’s degree in interdisciplinary studies in May and is playing professionally in France.

HILLMAN’S JERSEY RETIRED

The No. 1 jersey worn by Trey Hillman from 1982-85 is off the market for future UT Arlington baseball players. The Mavericks retired the number of the former Kansas City Royals manager in May. Hillman, the only three-time first-team All-Southland Conference selection in school history, joins longtime UT Arlington head coach Butch Mishra (No. 20) and the late former player and head coach Clay Gould (No. 8) as the only Mavericks to have their baseball jerseys retired. Hillman’s 442 batting average in 1984 led the Southland Conference and remains the school’s single-season record. In 1982 he became the first baseball player inducted into the UT Arlington Athletics Hall of Honor. After more than a decade coaching in the minor leagues, he spent five seasons in Japan’s professional baseball league managing the Hokkaido Nippon Ham Fighters. He led the perennial also-ran to the Japan Series and Asia Cup titles in 2006. In October 2007 Hillman (76) became the 15th manager of the Kansas City Royals and guided the team until May 2010.

MICHAEL CHOICE

Even after his college career ended, Michael Choice continued to make history. The Oakland Athletics selected the UT Arlington outfielder with the 10th overall pick in the June 7 Major League Baseball draft. Choice became the first Maverick taken in the first round. He was named the 2010 SLC Player of the Year and batting champion.

Choice is the first Maverick to be named a semifinalist for the 2010 USA Baseball Golden Spikes Award, presented to the nation’s top amateur baseball player.

MICHAEL CHOICE

Senior Michael Choice was presented to the nation’s top amateur baseball player.
It’s complicated. No, it’s really complicated, and this is not a movie. What do you get when you cross a plant biologist’s lab schedule with a microbiologist’s experiments? Or mix child-rearing and nanotechnology? How about having a baby and publishing genomic discoveries? You get very busy, dedicated people who are passionate about both their home lives and their cutting-edge, potentially world-changing research. You get people who are making it all work despite traveling all over the world, running laboratories, and thinking of ways to save lives and the planet.

Married couples Jorge Rodrigues and Maeli Melotto, Donald Butler and Zeynep Celik-Butler, and Cédric Feschotte and Ellen Pritham share a glimpse of three approaches to life when beautiful minds meet and marry.

MAELI MELOTTO AND JORGE RODRIGUES

Warm and engaging, passionate about their work and their family, these Brazilian-born biology assistant professors have two kids, two separate research paths, and a collaborative project. They finish each other’s sentences in all those arenas, having forged a bond as graduate students in 1990 that has withstood a move from Sao Paulo to Lansing, Mich.; two pregnancies in the midst of postdoctoral research; schedules that can involve 3 a.m. laboratory visits; and necessary global travel, usually one scientist at a time.

Dr. Melotto studies the secrets of immunity in plants—how they defend against bacteria and fungi and how they lose that battle. Her research could lead to non-chemical defenses that could save as much as $500 billion annually in crop loss.

Dr. Rodrigues focuses on microbes in the Amazon forest and, separately, bug guts—termite hindguts, to be exact. Though microbes in the forest have a monumental job—recycling nutrients so the trees in the world’s largest ecosystem can use them—surprisingly little is known about them. Biologists know even less about how they react to deforestation. Rodrigues’ work gauging that reaction will provide answers that could influence conservation policy, considering the huge role microbes play in the forest’s ecology.

His termite work has environmental implications involving ethanol production. Everyone knows termites make short work of wood—they process a billion tons of plant matter, or cellulose, every year. But what microbes within the termite’s gut get that done? The answers could lead to a new means of producing ethanol, since cellulose can be used to make the fuel. Rodrigues is using genome sequencing to address that question.

Besides their research, the couple balance administrative chores, grant writing for funding, and travel to conferences with raising two active, bright, and personable sons ages 10 and 4. They’re devoted to family at home as they are to research at work. On a typical Saturday, Maeli prepares a large lunch, their big meal of the day, while Jorge cuddles the younger son. The older boy comes in and out of the kitchen, tasting lunch and giving it his seal of approval.
Jorge is light-hearted and funny by nature but firm when it comes to parenting: “If they don’t like what we’re doing,” he says, “I tell them to turn on the TV and watch what’s going on in Haiti.”

Do the researchers bring work home? Of course. “We tend to talk about science all the time,” Jorge says. “Is that bad? Not really. ‘Our kids tend to know a lot about science.’”

On the other hand, Maeli says, “one wake-up call was when our kids said, ‘You guys always talk about work.’”

When it comes to work, they speak the same language (a spouse outside the field would have a hard time conversing). And the latitude they have as researchers is a bonus. “We are able to organize our schedules according to our needs,” Maeli says.

Jorge laughs. “If I need to go to the lab at 1 a.m. and take a culture, Maeli knows I’m here and not at some bar.”

It’s important, both scientists say, for their colleagues to know they’re not going to always share the same opinions.

“My dean commented on how we don’t even sit together at meetings,” she says. “We talk about what other couples talk about, too, except we don’t talk about it here.”

ELLEN PRITHAM AND CÉDRIC FESCHOTTE

At the other end of the spectrum, Drs. Feschotte and Pritham are a team. They publish together. They might stay up four nights in a row working together. Lately they’ve been staying up for a different reason: to care for their 10-month-old son.

They grew up an ocean apart. Feschotte was born and educated in France, with a Ph.D. from the University of Paris, while Pritham is a New Hampshire native who earned her Ph.D. at the University of Massachusetts. They met in 2001, doing postdoctoral work at the University of Georgia. Pritham was considering joining a lab in Georgia where Feschotte already worked, and he was asked to show her around.

“He’d been told she was pretty, but “I saw her and it was better than I even dreamed,” he says. He decided to show her around a botanical garden, where they “got lost.”

“We went through this one door 15 times,” Pritham recalls. She decided to join the lab, and they married in 2004.

Their studies look within genomes at specific kinds of jumping DNA elements called transposons. The elements move around and replicate. They can cause disease, or they can influence genetic diversity and therefore evolution. Pritham, a biology assistant professor, is looking at their effect on Trichomonas vaginalis, an organism that causes a common sexually transmitted disease, to see how the organism can become more resistant to treatments.

Together they discovered transposons in bats, a breakthrough because they hadn’t been found before in mammalian genomes. They submitted a manuscript in two weeks, an incredibly short time. (“Scandalous,” says Feschotte.)

The birth of their son has curtailed some of their around-the-clock work. But because much of their research is computer-based, they can still be productive from home.

The couple say they’re lucky to have strong teams in their labs.

“We’ve been extremely fortunate in attracting excellent students and postdocs,” Pritham says. And because their son was born at the end of April last year, classes were nearly over, so the first months were less hectic.

The mechanics of child care aside, these positions are more than jobs.

“We’re not working,” says Feschotte, a biology associate professor. “It’s our passion.”

Adds Pritham: “It’s not like you can hang up your hat at the end of the day. It’s a tremendous privilege to be a scientist.”

And to be parents.

“You find room within yourself,” Feschotte says, “for that additional love.”

We had a rule we established, the 635 rule. South of Highway 635, we could talk about work. North of Highway 635 is home. We keep it very separate, and that has worked out well for us.

—Zeynep Celik-Butler
A dozen large and angry men surrounded Undrey Wash on Super Bowl Sunday in February. They cussed, they pushed, they shoved. Wash, on all fours, head extended, pushed back as the melee engulfed him. But he wasn’t there to fight; his job was to determine the winner.

If you were among the 106.5 million TV viewers of Super Bowl XLIV, you remember the play. The ultimately victorious New Orleans Saints began the second half with an onside kick, resulting in a mad scramble for the football. The 1986 UT Arlington graduate has often stuck his nose in the middle of such free-for-alls during his 10 years as a National Football League official. But the stakes were never this high.

Five months later, fellow alum Monty McCutchen played a similar role on pro basketball’s biggest stage. He headed the three-man crew that officiated Game 2 of the National Basketball Association Finals between the Los Angeles Lakers and Boston Celtics. Hollywood A-listers Jack Nicholson, Steven Spielberg, and Leonardo DiCaprio were among the 19,000 who packed the Staples Center for the biggest show in town. Another 15 million watched on TV.

Unlike pro football officials, who remain largely anonymous, NBA referees are widely recognized—and critiqued. Boos cascaded every time McCutchen (’88 BA) called a foul on Lakers star Kobe Bryant. Through dark sunglasses, Nicholson glared at the 17-year NBA official. Even when McCutchen is right, which is most of the time, half the people won’t admit it. Fans, players, and coaches just want their team to win, and their passion sometimes turns venomous.

McCutchen and Wash say that’s part of the package when you ascend to the highest level of this elite occupation.
very, very few

You can’t get

National Football League

validation of

Undrey Wash compares

the NFL and

Super Bowl.

being an umpire in the

to “crossing a freeway

during rush hour.”

CLOSE CALLS

Undrey Wash compares

being an umpire in the

National Football League
to “crossing a freeway
during rush hour.”

A STAR IN STRIPES

Wash’s road to the top began on the UT Arlington intramural fields. While pursuing his systems analysis degree, he earned a 6.5 game officiating various sports.

his first taste of on-field assignments came in 1992 during a fraternity softball game. He called a runner out at second base, and the player began to argue.

“I could handle that. I had pretty thick skin. Then, all of a sudden, his girlfriend started to chime in on me,” Wash says with a laugh. “That’s when I lost it.”

He decided to focus on football and moved quickly through the ranks: pee-wee, junior high, sub-varsity, varsity, small college. He worked in the Southwest Conference for a year before it dissolved, then moved to the Big 12. After a year in the instant replay booth, he officiated his first NFL game in 2000. At age 38 he was the second youngest official in the league.

NFL crews have seven members. Wash’s position is umpire, which until this season placed him in the middle of the defense. The umpire’s primary task is controlling the action between the offensive and defensive linemen.

To survive, he learned to dodge 300-pound bodies intent on flattening everyone in their path.

“It was like crossing a freeway during rush hour,” Wash says. “And it was only getting worse.” That’s why he decided to focus on football.

“Think about the thousands of officials who want to pursue and pursue wholeheartedly,” he says. “I knew officiating was something I was going to love.”

He was invited to a national pro-am league and even officiated his first NFL game in 2000. At age 38 he was the second youngest official in the league.

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YOU CAN’T GET ANY HIGHER VALIDATION OF YOUR WORK THAN TO GET TO THE NFL AND WORK THE SUPER BOWL. UNDREY WASH IS AMONG THE VERY, VERY FEW TO ACCOMPLISH THAT FEAT.

—CARL CHEFFERS

FROM INTRAMURALS TO THE NBA

The NBA officiating fraternity is even more exclusive.

Only 58 others share McCutchen’s profession. It’s a full-time job, unlike in the NFL, and the travel is tougher than being a New Jersey Nets fan. During the November- April regular season, McCutchen is on the road 24-26 days a month.

“Being away from my wife and children is the hardest part of the job,” he says from his home in Ashville, N.C. “When you’re in 14 cities in a month, that’s very stressful on family life.”

McCutchen first put a whistle in his mouth working junior college intramurals. By the time he hit the UT Arlington intramural courts, he had officiated junior high, freshman, and varsity games.

“The first time I blew my whistle, I didn’t raise my hand or do anything,” he recalls with a laugh. “Thankfully, the kid I was trying to call a foul on raised his hand, or I might still be standing there today.”

As a 21-year-old junior, McCutchen quickly became the referee every intramural team requested. But he wanted more, so he wrote the NBA. The league replied that most of its officials had 15-20 years experience and suggested he try the pro-am leagues.

With help from his dad, who borrowed money against a house, McCutchen scraped together enough cash to travel to Los Angeles for a camp run by NBA referee Hugh Hollins. It was his first taste of life as a basketball official, and he was hooked. A week after graduating from UT Arlington with a degree in speech in communication and English literature, he moved to L.A.

“I knew officiating was something I was going to pursue and pursue wholeheartedly,” he says.

He was invited to a national pro-am league and even

tually landed a job in the Continental Basketball Association, which serves as a training ground for NBA hopefuls. It was during a CBA game in Pensacola, Fla., that a fan spotted: “McCutchen, you’re like 7-Up. Never had it, never will. It still makes him laugh.”

He was promoted to the NBA in 1993 at age 27 and, like Wash, was the second youngest referee in the league. He worked his first playoff game in 2000 and his first NBA Finals in 2000.

Now 44, McCutchen knows every NBA player (even those who never leave the bench), calls them by their first name, and expects the same respect in return. If he doesn’t get it, he says, he strives to remain approachable, firm, and above all, consistent.

But with the world’s greatest athletes moving at breakneck speed, missed calls—and conflict—are inevitable.

“You must understand that you are going to fail,” says McCutchen, who also worked Game 6 of the 2010 NBA Finals. “Hard work minimizes failure, but you can’t be defensive about every call you or won’t grow and gain the confidence of those you work with.”

He’s obviously respected by the league’s officiating supervisors, as well as the coaches and general managers. They’re the evaluation team that determines which referees advance through the playoffs. With two NBA Finals under his belt, McCutchen is in rare company.

“Retrace the NBA Finals, Monty is considered one of the best. He puts the game first, the crew second, and himself third. That’s the sign of a great official.”

—DUKE CALLAHAN

To reach the NBA Finals, Monty is considered one of the best. He puts the game first, the crew second, and himself third. That’s the sign of a great official.
The Lone Star Shape

Texans know a thing or two about reinvention. And, it turns out, so does their state. The area now known as Texas experienced numerous permutations over the centuries before taking today’s familiar shape. The UT Arlington Library’s Special Collections traces that evolution through maps that show the state’s many shapes, names, and geographic oddities in the years before and after its settling.

Tabula Novarum Insularum
Sebastian Münster
Woodcut engraving (hand-colored), 27.5 x 34.5 cm
Basel, Switzerland, 1552
Virginia Garrett Cartographic History Library, UT Arlington

A detail of Münster’s early map of the Americas shows a section of the North American continent that bears an uncanny yet perhaps unintended resemblance to eastern Texas, particularly the Sabine River and the Rio Grande. However, the cartographer designated what appears to be the Rio Grande as the Pánuco—a river actually located farther south in northern Mexico.
A New Map of Texas, with the Contiguous American & Mexican States
James H. Young and Samuel Augustus Mitchell Sr.
Steel engraved transfer lithograph (hand-colored), 33 x 39.5 cm
Philadelphia, 1835-1836
Virginia Garrett Cartographic History Library, UT Arlington
Gift of Kitene Kading

Designed for emigrants to Mexican Texas, Young and Mitchell’s map illustrates a number of empresario land grants, giving Texas a heart shape, with the Nueces River as the southern boundary.

America Settentriionale
Vincenzo Coronelli
Engravings on two sheets (hand-colored), 62 x 87 cm (total)
Venice, Italy, 1688
Virginia Garrett Cartographic History Library, UT Arlington

Coronelli’s map designates what became eastern Texas as part of “La Florida” and the Mississippi River as flowing south through present Texas to empty into the Gulf of Mexico near the Rio Grande. This error resulted at least in part from the difficulty at the time of measuring longitude.

Map of Louisiana and of the River Mississippi
John Senex
Engraving (hand-colored), 46 x 56 cm
London, 1721
Virginia Garrett Cartographic History Library, UT Arlington

Senex’s English copy of a French map draws the border between French Louisiana and Spanish territory along the Rio Grande and the Pecos River, implying that most of Texas belonged to France. The New Mexico pueblos and villages along the upper Rio Grande appear too close to the east.
The state’s present external borders appear on this emigrant map, with the exception of a disputed county that is now in Oklahoma. By the time of the Missouri Compromise of 1850, Texas assumed its present shape, having given up territory north of the 36˚ 30’ parallel of north latitude in order to retain slavery. It had also relinquished claims to portions of New Mexico as a reward to the United States government for assuming the former republic’s massive debts. However, in 1860 the Legislature created Greer County with a northern border along the North Fork of the Red River instead of the South Fork, citing an old treaty. In 1896 the U.S. Supreme Court decided against Texas’ claim, and in 1906 the formerly disputed area became part of Oklahoma.
Jian Yang’s latest discovery is getting glowing reviews. That’s because his latest discovery, well, glows.

The bioengineering assistant professor has developed a material that’s fluorescent, biodegradable, and safe to implant in the body. Bill Carroll, UT Arlington engineering dean, calls Dr. Yang’s work “revolutionary…in cancer therapy or for imaging,” not to mention what it could do for biosensing, immunology, drug delivery, and tissue engineering.

It’s not just Yang’s colleagues at UT Arlington who have taken note. His research is funded in part by the National Institutes of Health/National Institute of Biomedical Imaging and Bioengineering. It was recently reported in the prestigious Proceedings of the National Academy of Sciences. Two months later, the influential American Chemical Society called the work “Noteworthy Chemistry,” a title not bestowed lightly, nor often bestowed on engineers.

Yang’s material is the first of its kind that’s nontoxic (can be used in biomedicine), biodegradable (no long-term toxicity concerns) and has natural fluorescence (can be used as an imaging instrument).

Noteworthy, indeed.

It’s an aliphatic biodegradable photoluminescent polymer, or BPLP. It comes from the laboratory, not nature, but to ensure its usefulness in biomedicine, Yang used naturally occurring building blocks, among them citric acid, octanediol and nearly two dozen amino acids. “With our polymer, you can do many things,” he says. “You can use it as an implant. You can make our polymer into a bone-repairing template. You can use it for detection, tracking, and sensing applications. And since it’s degradable, it’s not a permanent implant. It will help the body heal; then when you don’t need it anymore, it’s just gone.”

Say you want to eradicate the No. 1 killer in the United States: heart disease. While bypass surgery can be life-saving, it’s highly invasive and often inefficient. So instead of punching through a clot with a permanent metal stent and then repeating the procedure years later as clots accumulate on the stent, doctors may be able to use Yang’s BPLP to make entirely new blood vessels for their patients.

Or perhaps a patient needs an organ transplant. Rather...
This would be a paradigm shift.

**YOU SAY YOU WANT A REVOLUTION?**

The hope of treating cancer is nanoparticles that transport drugs directly to cancerous cells, like tiny Trojan horses. It's an effective treatment with few side effects. For Yang, it's a starting point.

Because his BPLP glows brightly with an intrinsic fluorescence, using the polymer as a coating for drug-delivery nanoparticles would let doctors trace the path of the medicine within the body, making sure that it reaches the target. Further, doctors could monitor how scaffolding inside the body degrades and how tissue regenerates. Yang believes that his polymer gives physicians “a universal way of knowing” what's going on inside their patients' bodies.

This also could help in the early detection of cancer, which is sometimes extremely difficult given the size and location of certain cancers. For example, early gastric cancers are not detectable using the current white-light endoscopic diagnosis. “One challenge in the surgical removal of cancer is that doctors can find the big tumors, but they cannot find the small cancerous area as easily,” Yang says. “If you don't remove those small cancer cell clusters, then you leave some cancer cells behind in the body. They can proliferate and grow into even bigger tumors in the future.”

In the body, a light shines on the BPLP and a bright glow results, ranging from blue to near infrared. Medical imaging machines then use this glow to produce a picture of the inside of the body and reveal things like previously unseen cancer cells.

Thanks to Yang's polymer, the same nanoparticles that deliver drugs to the cancer can also diagnose new cancers. He isn't the first person to think of this, but he is the first to figure out how to make such intrinsically fluorescent implant polymers do both jobs. Previous researchers tried using organic fluorescent dyes, which are widely available but can be toxic. They're also chemically unstable, so their signal gets gradually weaker. Researchers turned to quantum dots, which are nanoparticles used in the fabrication of transistors, solar cells, LEDs, and lasers. Their fluorescence is stable and super bright. But quantum dots are made of metal, so they can poison the body as they decompose. Organic fluorescent dyes are currently being developed and used in the beauty business. It's the same technology for plastics and membranes in the beauty business.

And this is just a blip of what BPLP can do.

**ANYTHING YOU CAN DO, I CAN DO BETTER**

In the world of science and engineering, fluorescent materials are ubiquitous. They're in electronic devices, including televisions, and in sensing equipment that can detect biological weapons or contaminated water. They're the light emitted by light-emitting diodes. “quantum dots.” The market-research company BBC Research predicts these tiny dots will have a $700 million market share by 2013. Yang's work is "of fundamental significance to biomedical." "The polymer that Dr. Yang has developed is of central importance for biomedical applications. It will provide opportunities for discoveries and improving health care that have not been available before."
Attorney Meredith Lyon's job at the city of Dallas requires more than a law school education. She's a manager, supervisor, teacher, and peacemaker. To boost her performance in all phases, she enrolled in graduate school at UT Arlington, where she's learning how to make her office run more efficiently and to understand the ever-changing world of public administration.

Ask others why they're pursuing advanced degrees at UT Arlington, and you get a variety of answers. Doctoral candidate Sanchali Deb wants to help people and sought out electrical engineering Professor J.C. Chiao for his work on medical devices that save lives. An enticing financial package helped convince Antonio Lopez to pursue a mathematics Ph.D. after earning his bachelor's degree at UT Arlington. Vitaly Voinov loves the practical approach of the linguistics doctoral program.

By 2018, 2.5 million new jobs will require a graduate degree, according to a report on graduate education released in April 2010. “The Path Forward: The Future of Graduate Education in the United States” calls for state and national policy to increase graduate school enrollment to meet that need.

Whether it’s a laid-off worker seeking new job skills or a professional who wants more knowledge in a field related to her job, thousands are turning to UT Arlington to earn graduate degrees. In spring 2010 a record 6,756 students were enrolled in the University’s 74 master’s and 31 doctoral degree programs. Phil Cohen, vice provost for academic affairs and dean of the Office of Graduate Services, is impressed by the growth in number and diversity of graduate students in the past decade.

“From fall 1999 to fall 2009, we increased our overall graduate enrollments by 72.9 percent and our new graduate enrollments by 90.9 percent,” Dr. Cohen said. “From 2001 to 2009, moreover, doctoral enrollment grew from 569 to 960.”

Spring 2010 saw 927 doctoral candidates—81 more than the previous spring. The 2009-2010 academic year brought 126 new students to the program.

Master’s programs grew even faster. Spring 2010 enrollment totaled 5,828 students—803 more than the previous spring. For 2009-2010, the University added 2,685 new master’s students. Nursing and education increased class rolls by double-digit percentages.

Graduate students learn valuable job skills regardless of their discipline, says Donald Bobbitt, provost and vice president for academic affairs.

“In graduate school you learn to acquire, organize, and utilize information,” he says. “You learn how to communicate effectively. Critical thinking skills let you quickly get to the most important issues and arguments without getting lost in the noise.”

Earning a graduate degree takes time and money, and UT Arlington has an answer for both. Flexible class schedules, including evenings and weekends, plus award-winning distance learning programs cater to people with busy lives.

Graduate financial aid and scholarship programs help with tuition, research, and living expenses. The Department of Education’s Graduate Assistance in Areas of National Need (GAANN) fellowship, which Lopez received, helps students in science, technology, engineering, and mathematics, also known as the STEM fields.

There are no shortcuts to advanced degrees, but a few fast tracks keep students focused. A Bridge-to-Doctorate fellowship takes STEM students straight from a bachelor’s degree to their doctorate. The Louis Stokes Alliance for Minority Participation, a National Science Foundation program, funds the program, awarding full tuition and fees, a textbook and research supply allowance, and a $30,000 annual stipend for two years.

Generous financial assistance, innovative programs, and the opportunity to work alongside nationally recognized faculty drew Lyon, Lopez, and Voinov to UT Arlington. Many others are following for the same reasons.

When I saw our devices help the stomach move properly, I was so excited and had a warm feeling in my heart. The doctors in the surgery room were also thrilled.

—Sanchali Deb
Department of Education

Math whiz Antonio Lopez

professors, I

needed. I knew

the implant to produce weak electrical impulses that

my goal was to graduate’s and starting work,”

I got to know my professors, I

minds about STEM topics, including graduate pro-

it. And numbers gave him a future—a much brighter

Lopez says he hopes to do more research with

explorer. “I noticed in one of my classes that the teacher

once I have a conflict with work, the advisers and

Lyn found

Meredith Lyon

with numbers, about numbers. You have

VITALY VOINOV WORD POWER

If you are explaining why this equation is the way to the

IT’S ALL ABOUT OPTIONS

Lyn is the deputy chief prosecutor for Dallas and

handles a range of Class C misdemeanor offenses from

words, fuzzy thinking, and logical fallacies. He has
corrales to come in and see.”

Blackwing has its hands on work for river and stream

beating the odds

hands-on attitude does have room for play.

Exploration. “I noticed in one of my classes that the teacher

once I have a conflict with work, the advisers and

VITALY VOINOV WORD POWER

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hands-on attitude does have room for play.

ANTONIO LOPEZ BEATING THE ODDS

Students ask Antonio Lopez. When his family

moved to the United States from Mexico, he couldn’t

understand what his middle school teachers were saying,

but numbers made sense. In English or Spanish, two

glasses to read. “I noticed in one of my classes that the teacher

once I have a conflict with work, the advisers and

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hands-on attitude does have room for play.
Eight former students who have excelled in a range of professions will be honored at the Distinguished Alumni Gala.

Eight former students will be recognized for their professional achievements and service to the community and University at the 2010 Distinguished Alumni Gala on Oct. 16 in the E.H. Heford University Center.

Greg Barron ('91), Clifford Halsey ('92), Robert Irish Jr. ('96), Jean McSweeney ('83), Ignacio Nuñez ('75), Greg Barron ('91), Nuñez ('75), Greg Barron ('91), and Nasser Ahmed Lozi ('79) will receive the Distinguished Alumni Award. James Ditto will receive the Distinguished Alumni Service Award, and Nasser Ahmed Lozi ('79) will receive the Distinguished International Alumni Award.

Barron, who earned a B.B.A. in finance from the College of Business, is founder and CEO of The Barron Companies Inc., which holds interests in construction, architecture, engineering, and real estate development. His company also starts and maintains village schools and an orphanage in India.

Irish earned a bachelor's degree in mathematics from the College of Science. In the past 25 years he has delivered thousands of babies to area mothers. In 2008 his peers elected him to serve as Texas Health Arlington Memorial Hospitals president of the medical staff.

Kurtone Southwest and later served with the 3rd Signal Battalion in Korea. He founded Texcom Southwest and later sold it to Intermec Corp. He currently serves as president of Controls International Inc.

McSweeney, who holds a master's degree from the College of Nursing, is a professor and associate dean for research at the University of Arkansas for Medical Sciences in Little Rock. She teaches in the doctoral program and has contributed significantly to the field of women's cardiovascular disease.

Nuñez earned a bachelor's degree in biology from the University of Arkansas. She was in the UT Arlington Cadet in the concrete pipe and products industry. Associated General Contractors, and other organizations for his contributions by the U.S. Department of Labor, the National Business, is founder and CEO of The Barron Companies Inc., which holds interests in construction, architecture, engineering, and real estate development. His company also starts and maintains village schools and an orphanage in India.

Irish earned a bachelor's degree in mathematics from the College of Science. In the past 25 years he has delivered thousands of babies to area mothers. In 2008 his peers elected him to serve as Texas Health Arlington Memorial Hospitals president of the medical staff.

Ditto, who earned a bachelor's degree from the College of Liberal Arts and a master's degree from the School of Social Work. He recently teamed with partners to establish Ascent Health Corp., which owns and operates behavioral programs, including hospitals, day treatment, and outpatient centers.

Ditto attended UT Arlington when it was North Texas Agricultural College and Arlington State College. He has served on the Development Board, Alumni Association Board, Athletics Council, and as chair of the Athletic Facility Group for the Maverick Athletic 2020 Advisory Board.

His Excellency Lozi, who earned a bachelor's degree in civil engineering from the College of Engineering, serves as chief of the Royal Hashemite Court for Jordan's King Abdullah II. Lozi has been called the second most powerful man in Jordan.

Lozi earned a bachelor's degree in Central State University in Edmund, Okla., and a master's degree from the University of Central Oklahoma, also in Edmund. Lozi calls himself a desert outback, north Dallas and impoverished south Dallas. Or as UT Arlington President Bill McKenzie says, "You're kind of looking at one was welcome: McKenzie, a columnist and editorial writer for The Dallas Morning News, had just won a Pulitzer Prize for editorial writing. He shares the award with colleagues Tod Robberson and Colleen McNemar Nolden. "I was completely surprised," McKenzie says. "It does elevate the project, and that's something that's unexpected." His Excellency Lozi, who earned a bachelor's degree in civil engineering from the College of Engineering, serves as chief of the Royal Hashemite Court for Jordan's King Abdullah II. Lozi has been called the second most powerful man in Jordan.

McKenzie was named to the College of Science. He currently serves as president of Controls International Inc.

The mind was running a mile a minute and his to-do list was a mile long on that manic Monday last spring when William McKenzie ('74) landed back on the campus he had delivered for in just days. Just in time for his hour to tell his heart what he no longer. Not all interruptions are created equal, and this one was welcome: McKenzie, a columnist and editorial writer for The Dallas Morning News, had just won a Pulitzer Prize for editorial writing. He shares the award with colleagues Tod Robberson and Colleen McNemar Nolden. "I was completely surprised," McKenzie says. "It does elevate the project, and that's something that's unexpected."

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FAMILY TIES
UT Arlington continues to be a family affair for the Hullones, from left, Rachel, Paul, Daniel, John, Vi, and David. The group gathered outside Texas Hall in May to celebrate Daniel’s graduation with a bachelor’s degree in software engineering. Rachel graduated in 2005 with a bachelor’s degree in nursing, and John graduated in 2008 with a bachelor’s degree in electrical engineering. Brian Paul and David are juniors pursuing mechanical engineering and software engineering degrees, respectively. Family matriarch Vi holds bachelor’s and master’s degrees in history from UT Arlington.

CADETS ADD HALL OF HONOR TO AWARDS Lists
Retired Lt. Col. Lee B. Wilson, top, and Col. Lester Simpson are the 2010 inductees into the Military Science Hall of Honor. Wilson earned a B.E.A. degree in 1962 as a distinguished military graduate. He served as rifleman, squad leader, first sergeant, and team executive officer of the Sam Houston Rifles, and in the Cadet Corps he advanced to platoon leader and deputy corps commander. His assignments included three combat tours with the 1st Special Forces Group in Vietnam, where he served as the commanding officer of a Mobile Strike Force Battalion. He later served as an executive officer to a major general and brigadier general in Korea. Following Korea, he was assigned to Fort Benning, Ga., where he was a weapons instructor team chief with the Infantry School and division chief of the System Development Division. Combat Development Directorate of the Infantry School. Wilson retired as a lieutenant colonel in 1984. Simpson received an early commission in the Texas Army National Guard in 1980 and graduated as a distinguished military student in 1982 with a bachelor’s degree in general studies. As a cadet, he commanded the Sam Houston Rifles in 1987 and 1990, winning the State of Texas Championship. He was commissioned an infantry officer and served in key leadership and command assignments in the Texas Army National Guard. He is a graduate of the U.S. Army War College and received a Master of Strategic Studies degree in 2003. He was selected for promotion to brigadier general by the adjutant general of Texas for his leadership, personal, and professional credentials; multiple deployments and broad experiences; and commitment to mission accomplishment and taking care of soldiers. Both Simpson and Wilson received numerous awards and decorations for their service.
Class Notes

1941
James “Ted” Bradley (’41 A) has been Cotton Bowl photographer since 1958 and is considered the dean of the sport of college football photography. He was named to the Cotton Bowl Hall of Fame in 2008.

1968
Martha Burt (’68, MA, Psychology), Caryn, Experimental Psychological Research (CPR) released the book Your Money and Your Life. The book studies what women in the 1960s and 1970s were thinking about their careers and wants at the National Council of Women's Organizations in Washington, D.C. She has been with the Council for 30 years.

1970
Gary Triest (’70, ’74, ML) was named Transportation Commissioner by the Governor for the year by the Texas chapter of the International Council of Local Government Officers. He is the current executive director of the Texas Water Reliability Program. He was named to the College of Engineering's Board of Regents in 2003. He was named to the University of Texas System Board of Regents in 2009.

1972
Stephen B. Kinlow (’72, BA, English) announced his retirement as a part-time associate director of the National Council of Women’s Organizations in ‘07. He is currently working for the organization part-time, teaching at the University of Texas at Arlington and serving as the organization’s Webmaster.

1973
David Branton (’73, MS) is the director of the Junior Achievement chapter in Tyler. He has served as an advisor to the Junior Achievement chapter for 16 years. He is the current national president of the Junior Achievement chapter.

1976
Larry Tunnell (’76, BS, Criminal Justice) is the Port Authority for Silliker, a manufac- turer of bands at Arlington’s Bowie Band. He retired as director of military operations for Silliker in 2008. He has served in the Port Authority for 29 years.

1979
Linda Cogan (’79, BA, English) is a professional writer based in Arlington, Texas. She is the founder of the Arlington Writing Guild and is the coordinator of the Arlington Writing Guild. She is the author of several books and has provided guidance to many writers. She is the recipient of the Anita Thigpen Perry School of Nursing at UT Arlington’s College of Nursing Honor Award. She is a professor in the College of Nursing at UT Arlington.

1980
Matt Angie (’80, BA, Political Science) is a Democratic politician. He is currently serving as a consultant for the Texas Democratic Party. He has been appointed as chairman of the Texas Democratic Party. He is the current chairman of the Texas Democratic Party. He is the current chairman of the Texas Democratic Party.

1981
Pam Russell (’81, BS) is the publisher of the Encyclopedia of Child Abuse. She is a professor in the College of Nursing at UT Arlington. She is currently serving as the director of nursing education for the Health Science Center at UT Arlington.

1982
Charles Stratton (’82, BS) is a professor in the College of Nursing at UT Arlington. He is currently serving as the director of nursing education for the Health Science Center at UT Arlington.

1983
Donna Bertram (’83, BS) is a registered nurse and is currently serving as the director of nursing education for the Health Science Center at UT Arlington.

1984
Diane Ayers (’84, BA, Accounting) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1985
Jim Krause (’85, BA, Accounting) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1987
Scott A. Anderson (’87, BS) is a registered nurse and is currently serving as the director of nursing education for the Health Science Center at UT Arlington.

1989
Ralph Wurbs (’89, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1990
Larry Kilgore (’90, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1991
Rooker (’91, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1992
D. Gibbs (’92, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1993
Madeleine Gray (’93, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1994
Gerry Barker (’94, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1995
Larry Tunnell (’95, BS, Business Administration) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1996
Rick Baker (’96, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1997
Dee Trussell (’97, BS, Business Administration) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1998
Brian T. Rex (’98, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

1999
Rick Baker (’99, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2000
Donna Bertram (’00, BS) is currently serving as the director of nursing education for the Health Science Center at UT Arlington.

2001
Randy Lee (’01, BS, Business Administration) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2002
Ralph Wurbs (’02, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2003
Katherine Ayers (’03, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2004
Madeleine Gray (’04, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2005
Michael B. Libby (’05, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2006
James Porras (’06, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2007
Sally Welborn (’07, BA) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2008
Larry Kilgore (’08, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2009
Rick Baker (’09, BS, Electrical Engineering) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.

2010
Larry Kilgore (’10, BS) is currently serving as the director of the Accounting and Information Systems Department at the University of New Mexico State University.
Class Notes

DANA GIBSON

Gibson (‘98 PhD, Business Administration) has been named president and chief executive officer of Granite Construction. She was vice president for finance and operations at the Hamptons, Texas, campus. Prior to that, Dr. Gibson was president of National HealthCare Foundation.

She previously was associated with the cities of Kilimanjaro, Dalla, and Milan.

Mark Jackson

Mark Jackson ('97 BS, Computer Science) is a software engineer and manager of the Hills with her husband, Doug, of Planned Parenthood in Los Angeles, Calif., where she lives with their four children.

Maria, Calif., where she lives with her husband, Dennis, and two sons.

Yee Gan

Yee Gan ('94 BA, Asian Studies) is a certified natural whole foods holistic health counselor and yoga instructor.

Tobin Griffeth

Tobin Griffeth ('98 BS, Industrial Management) is the rail line fleet.

Vasu

Vasu ('02 BM) performs with the San Diego Orchestra.

Don Fougere

Don Fougere ('00 MA, Hispanic History) is a San Antonio native who attended Marshall in the '90s.

Amanda Doak

Amanda Doak ('04 BM) is band director at Elkton High School in Elkton, Md., and recently received a three-year, $150,000 grant.

She also organized the LSWO Old Timers Ball.

The Alumni Association has established the Alumni Legacy Scholarship Fund for full-time, full-scholarship, talented students who are relatives of UT Arlington graduates. Supported by the Office of Alumni Relations, the program provides scholarships for family members of University alumni, giving them the opportunity to continue the family tradition of attending UT Arlington. For requirements and more information about the scholarship, visit www.ut Arlington.edu/alumnichapter.

ARCHEOLOGY ARCHITECTURE

Toppling Out 2003 was held last fall at Cowboys Stadium near Dallas. The event featured and auctions of current Dallas and Fort Worth dealers, as well as a live and silent auction of items left by the 2003 donor, a woman who lives in Kilimanjaro. The donor, Ms. Zara Adams, left the event with her husband, Mark Adams, and their three children.

Kristin

Kristin ('09 MS, Marketing Research) is an associate professor at Freeman Coliseum.

Update

LEGACY SCHOLARSHIP

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HISPANIC ALUMNI

The Hispanic Alumni Chapter is encouraging Hispanic alumni to become involved in the university’s growing network of opportunities by introducing a monthly Skype conference to discuss partnership and mutual activities.

Sponsored by the Architecture Center Houston and the University of Texas at San Antonio, the event benefits The Arc of Dallas, a nonprofit organization.

START A CHAPTER!

For information on starting an alumni chapter, please contact Senior Director of Alumni Development Jay Thomas at 817-255-3255 or jay.thomas@uta.edu. For a list of chapters, visit www.ut Arlington.edu/alumnichapter.
In Memoriam

1950s
Phillo Herman Stork (53, AO), 78, Jan. 9 in Dublin, Ohio. Mr. Stork had several careers, but the two he enjoyed most were stockbroker and general con-
structor. Upon retirement, he participated in volunteer work, including service as president of the Territorial Area Food Bank and the Arlington Historical Society. He was honored by the United Way as Arlington’s Volunteer of the Year in 1972.

Donald D. Martin (70, AO), 57, Jan. 24 in Carroll Co., Calif. Mr. Martinson’s in 1977-88 with the United States military, he was appointed as president of the Territorial Area Food Bank and the Arlington Historical Society. He was honored by the United Way as Arlington’s Volunteer of the Year in 1972.

1970s
Gerald G. McCauley (72, BS), 52, Jan. 12 in Wills Point, Texas. He had served as a commander and commandant of training command at Richardson Independence School District Board of Trustees. Mr. McCauley was a member of the Fort Worth Police Department and was the security manager for the Fort Worth Police Department.

1980s
Shirley Anne Meredith (78, BFA), 35, Nov. 9, 2009, in Dallas. Ms. Meredith was a performance opera singer and also was involved with the Arlington Civic Chorus and in church choirs. She was active in terms, serving as captain of several of the university’s women’s glee clubs.

1990s
Stephan Michael Sanders (78, BFA), 50, Nov. 9, 2009, in Sierra Madre, Calif. Mr. Sanders was involved with the United States Military, the Arlington Civic Chorus and in church choirs. He was active in terms, serving as captain of several of the university’s women’s glee clubs.

2000s
Tim Schickedanz (77, BA), 42, Sept. 30, 2009, in Fort Worth. Mr. Schickedanz was a professor of psychology and was involved in research on the effects of exercise on mood and cognitive function. He was honored by the United Way as Arlington’s Volunteer of the Year in 1997.

2010s
Jen Jenkins Garrett 1914-2010
Mr. Robbins was an employee of Perot Systems. Ms. Morgan was a certified nurse anesthetist and spent several years as a marriage and family therapist. She was an active member of the Dallas Medical Association and the American Academy of Nurse Practitioners.

2020s
Make a gift online at www.uta.edu/giving or call the Office of Development at 817-272-2584.
Glee clubs have come a long way since the days of Grubbs Vocational College, which UT Arlington was known as from 1917 to 1923. Bearing no resemblance to the chirpy cast of Fox’s breakout musical comedy Glee, these somber singers did a masterful job of disguising their stage presence. At Grubbs, other musically inclined students participated in the band, orchestra, or girls chorus. UT Arlington traces its state-supported roots to Grubbs Vocational College, which was created by the 35th Legislature. Named for Judge V.W. Grubbs, the two-year vocational school was part of the Agricultural and Mechanical College of Texas and included a 100-acre farm west of the campus. There’s no record of the boys glee club’s repertoire, but we’re pretty sure it didn’t include Lady Gaga or Madonna tributes. Photograph courtesy of The University of Texas at Arlington Photographic Collection, Special Collections, UT Arlington Library.