

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

UTArlington

THE UNIVERSITY OF TEXAS AT ARLINGTON MAGAZINE | FALL 2010

Whistling
While They
Work



NBA REFEREE
Monty McCutchen '88

NFL OFFICIAL
Undrey Wash '86



ROUNDUP

Future Mavericks learn what it takes to succeed at UT Arlington during a new student orientation session in the E.H. Hereford University Center.

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Brazil natives Jorge Rodrigues and Maeli Melotto are one of three couples who collaborate in the laboratory and on the home front.



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Undrey Wash and Monty McCutchen have risen to the highest levels of pro sports officiating. Wash worked this year's Super Bowl in Miami, and McCutchen refereed two games in the 2010 NBA Finals.

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Lora Malone joins the Alumni Association as executive director.

Message from the President

Milestone After Milestone

by James D. Spaniolo

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, progress is measured not in incremental or baby steps, but in major milestones. Each calculated stride must be bold, confident, and strategic.

A bellwether 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 one (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 finally have the home court advantage they so richly deserve.

Right next door to the special events center site, we're 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. True 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 that 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.

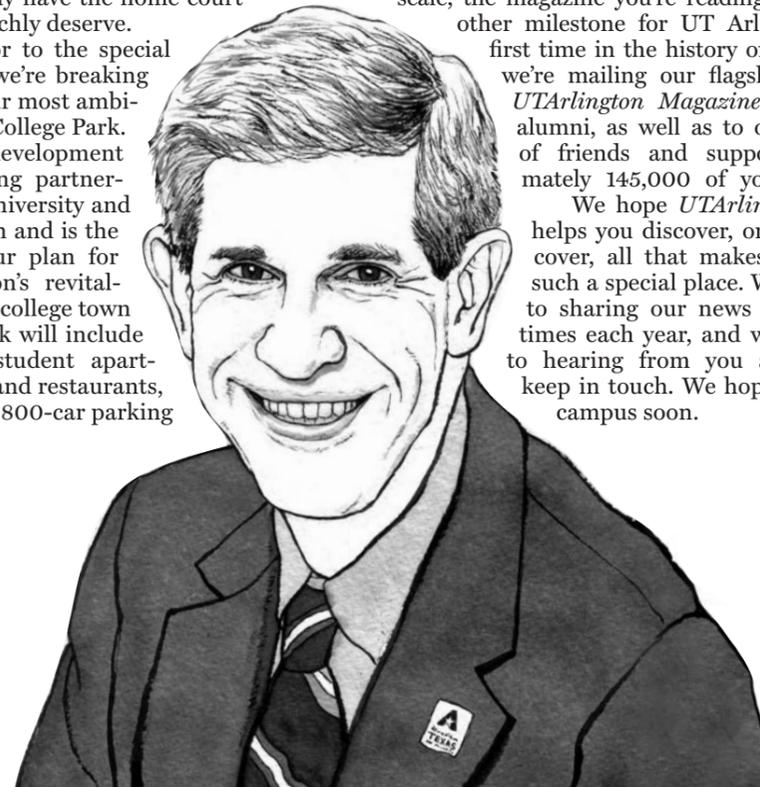
This fall's entering class was welcomed as no other class before them—with the support and guidance of our new University College. Appropriately housed in Ransom Hall, our oldest building located right in the center of campus, University College brings together a wide range of services, including academic 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 friends and 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.

ILLUSTRATION BY KAREN DAVISON

President Spaniolo has put UT Arlington on course to become one of America's next great research universities.



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ON THE COVER
Undrey Wash ('86) officiated the 2010 Super Bowl, and Monty McCutchen ('88) refereed Games 2 and 7 of the 2010 NBA Finals.



Facebook



ALEXZANDRIA SIPRIAN
Even during rehearsal, everything looks clearer from on stage, Spanish major Alexandria 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 landed a role in the Theatre Arts Department's production of the musical comedy *My Emperor's New Clothes*. "Now I'm part of something special that pushes me to perform well in everything I do," she says. Among the comments she received on this Facebook photo: "Is *Glee* in your future?"

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 longtime educator, I have seen first-hand the declining interest in math and science among elementary, junior high, and high school students. It is very encouraging to know that universities like yours are aggressively trying to engage more students in these critical fields. I believe that the earlier we start to pique children's in-

terest in science, technology, engineering, and mathematics (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 site and of the people involved. They did a top-notch, bang-up job! Well done 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 SUMERFELT
Allen, Texas

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 MAVERICK, ALWAYS A MAVERICK

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 senior 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 Dallas skyscraper. We enjoyed viewing Andrew's four photographs and many others from UT Arlington students in the Pixels@UTA group on flickr.



Tweets

@CristieKibler Just did an interview with UTAradio.com :) Big thanks to UTA for being so supportive!

@utabusiness Dana Gibson ('93 Ph.D.) is sole finalist for Sam Houston State University president.

@mikecuta1102 Is getting anxious about the draft! 6 o'clock MLB network! Direct TV! Be watchin' for ya boil!

@UTAMAVS UT Arlington draft picks Rett Varner and Jason Mitchell have each signed professional contracts.

@JoanieCakes At home getting ready and I don't wanna leave. That sleep was so good and so needed after a late night of editing at UTA.

@utashorthorn Oakland A's choose Choice during draft. "Everything he's worked for is coming true," Charea Choice.

@M_I_Williams A new chapter begins: Off to #Alcon for first day at work and then summer school at UT Arlington.

@BeAMaverick Did you know the spring class this May was the largest graduating class in UT Arlington history? There were 3,116 members of the Class of 2010.

@vegastar Clouds dispersing. Hanging w UTA shorthorn reporters. Noticed UTA media services w vidcameras. iPhone bat running low.

@mavengineering Check out all the great engineering stories in UTA's research magazine, Inquiry! www.uta.edu/research-magazine

@UTA_Alumni If you just graduated, don't forget to take advantage of our First Year Membership for only \$20! www.uta.edu/alumni/membership

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 *UT Arlington Magazine*.

Facebook.com/utamagazine
Become a fan and get updates in your newsfeed.

Twitter.com/utamagazine
Follow our tweets for the latest Maverick news.

flickr.com/groups/utamagazine
Post your best photos so we can see what you're up to.

Campus Buzz

UT ARLINGTON AND THE WORLD



Urban Vibrancy

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 wrapped around an 1,800-vehicle parking garage with street-level retail and office suites south of UTA 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—81 apartment units.

The development marks the largest partnership to date between the University and Arlington. The city has committed up to \$18 million toward the parking structure, which will serve visitors to UT Arlington's 6,600-seat special events center currently under construction, as well as visitors to other downtown venues.

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."

Spaniolo credits Cluck with crafting a collaboration that will benefit all who want to see increased activity downtown and in the University district. The First Baptist Church of Arlington is another partner in the project, donating 1.5 acres in exchange for use of the parking facility.

"College Park will help create an urban vibrancy, 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," Spaniolo says.

Designed by Jacobs Engineering Group in Fort Worth, the facility mixes glass with metal, brick, and stone in an update to the prevalent campus architecture.

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

This conceptual College Park rendering will move closer to reality following groundbreaking ceremonies Oct. 11. The project includes a residence hall, apartments, parking garage, and retail space.

Vivian Walker, Social Work Graduate Student **Talk**

You recently served a White House internship. Where did you work?

I was in the Agency Liaison Department of the Office of Presidential Correspondence. The office receives about 65,000 letters a week and something like 100,000 e-mails a day. Some are requests for congratulatory messages to Eagle Scouts or newlyweds, 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 citizens facing different crises, such as foreclosure, IRS garnishment, 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.

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 intern 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 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.

How were you able to stay?

Thankfully, Ellen Murphy, the School of Social Work's director of field instruction, was able to get in touch with a professor from Howard University, which is located nearby. She agreed to take over my supervision and even let me participate in workshops at Howard.

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 wrote 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?



Crash Course Video for iPhone

ART 4397

Instead of banning cell phones in his classroom, film Associate Professor Bart Weiss put them on the syllabus. In his Video for iPhone class, he teaches how to write, produce, and direct videos for and with Apple's popular smart phone. There's an art to creating moving, effective short-form videos in such a small format, and Weiss and his students are leading the way. In fact, theirs may be the only such college course in the country. In addition to creating the videos, the students can also try their hand at developing a video application for the device.



UNIVERSITY COLLEGE FUELS STUDENT SUCCESS

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 Ransom 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 Bobbitt, 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 Ransom Hall, which opened in 1919, is the oldest building on campus. But a \$1.7 million remodeling 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 suites 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 undergraduate degrees in a timely manner. Dr. Bobbitt 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 sophomore 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 \$78 million multipurpose venue will rise between Second and Third streets east of South Pecan 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, conferences, commencement ceremonies, and other community events. Expected to open by December 2011, the special events center will accommodate up to 7,600 patrons for a center-stage 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 Cluck, UT Arlington President James D. Spaniolo, and Mavericks basketball player Marquez Haynes.



Gift of Gab

Donation establishes Center for Critical Languages and Area Studies

A new \$1.16 million endowment will help future students at UT Arlington develop a better understanding of global languages and cultures.

Betty Ruch 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 Ruch endowment gives the new center within the College of Liberal Arts a global focus, including 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 Cichock is the interim director.

"The contributions of the McDowell center will be immense in terms of our commitment to global understanding," 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 Ruches 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.

Awards

JUDY LEFLORE

Nursing Associate Professor Judy LeFlore has been named a fellow in the National League for Nursing's Academy of Nursing Education for her innovative contributions to the field. She is a leader in the college's use of advanced technology to educate nurses.

ZDZISLAW MUSIELAK

Physics Professor Zdzislaw Musielak has won his second international Humboldt Prize for his research into the sun and solar-type stars. The award, one of the most prestigious in science, recognizes the world's top physicists.



ADONIS ROSE

Jazz artist-in-residence Adonis Rose won a 2010 Grammy as a member of the New Orleans Jazz Orchestra, as the group's *Book One* took the prize for Best Large Jazz Ensemble Album. Rose is a visiting professor with UT Arlington's Jazz Studies Program.

MICHAEL MOORE

Working with the Center for Distance Education, Michael Moore, senior vice provost and associate professor of political science, received a Gold Best Practices Award of Excellence in Distance Learning Teaching from the United States Distance Learning Association.

KEVIN SCHUG

Chemistry Assistant Professor Kevin Schug has been named the lone recipient of the 2010 Eli Lilly Young Analytical Scientist Award. The national honor recognizes researchers whose work has applications in the pharmaceutical industry.

Grants

DOCTORAL FELLOWSHIPS

The National Science Foundation has awarded UT Arlington \$987,000 for 2010-2012 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.



BABAK FAHIMI

Electrical engineering Associate Professor Babak Fahimi has been awarded a prestigious Fulbright Scholarship. He will spend eight months in Aachen, Germany, next year conducting research on energy conversion and power electronics.

YUE DENG, AMIR FARBIN

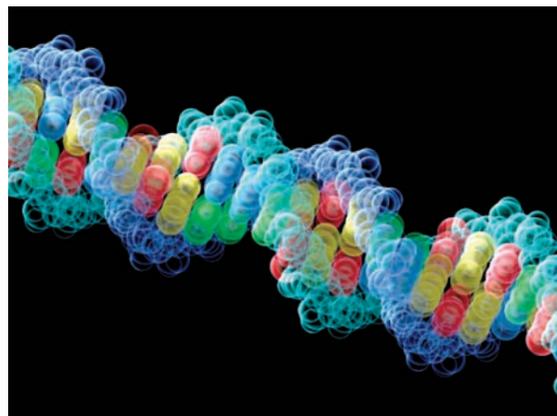
Physics Assistant Professors Yue Deng and Amir Farbin have received early career awards from the National Science Foundation and the Department of Energy, respectively. Dr. Deng is studying energy output from the magnetosphere and its impact on the planet's upper atmosphere. Dr. Farbin is examining dark 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 anonymity system that can provide more effective and efficient Internet privacy protection than existing designs.

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 Huang Haiying's work on unpowered, wireless ultrasound sensing systems. Dr. Haiying'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 Elsenbaumer, UT Arlington's vice president for research and federal relations. "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 Hanli 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 Priest 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.



DNA DISCOVERY UT Arlington researchers have concluded that there's more than one way to transfer DNA among species. Genome biologist Cédric Feschotte 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 vertically 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

UT Arlington receives \$1 million endowment from Dionex Corp. to create professorship

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 natural 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 novel 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.

Department of Kinesiology Faculty



DAVID KELLER

He's not an astrophysicist, an astronomer, or an engineer. Yet David Keller's research may be instrumental in helping astronauts better cope with the physical consequences of space travel. The kinesiology assistant professor is an expert on human physiology and cardiovascular distress. He's also the principal investigator on a NASA-funded project focusing on how body temperature is regulated. Specifically, Dr. Keller is looking at the differences between arm and leg cycling as an effective exercise mode for astronauts. By examining the similarities between the cardiovascular and thermal responses to the respective exercises, he hopes to judge their usefulness in helping astronauts undergo heat acclimatization in space. "If people are going to be less able to regulate their temperature, and as a result, be at increased risk for fatigue and heat illness, including heat stroke or even heat death, upon exposure to microgravity, how can we correct that?" he asks. That's the next step for Keller. And that's one giant leap for mankind.

Press

CÉDRIC FESCHOTTE

The *New York Times* quoted biology Associate Professor Cédric Feschotte about his commentary in *Nature* magazine regarding the discovery of bornaviruses in the human genome. Similar articles ran in *Wired* and *Current*.

BEN AGGER

The *Christian Science Monitor* quoted sociology Professor Ben Agger in a story about why parents of young teens allow their children to engage in risky adventures, such as the couple who let their teen daughter sail around the world in summer 2010. Dr. Agger noted that the parents reportedly were talking with a reality TV program. He said America is developing a "culture of narcissism."

ANDREW BRANDT

ESPN.com quoted physics Professor Andrew Brandt about how the Texas Rangers Baseball Club had underestimated the distance of a record-breaking home run by slugger Josh Hamilton. Dr. Brandt used a process based on a complex set of variables to determine that Hamilton's June 27 homer into the Rangers Ballpark in Arlington's upper deck traveled about 490 feet rather than the initial estimate of 468 feet.



ROLAND FRYER

A *Time* magazine article detailed research by Roland Fryer ('98 BA) on paying schoolchildren in New York, Chicago, Washington, D.C., and Dallas to make good grades. Dr. Fryer is a professor of economics at Harvard University.

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 48 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 ChefMasters* on the Food Network. He owns two eminent Chicago restaurants, Frontera Grill and Topolobampo, and is the man behind the Frontera brand in supermarkets. He has several best-selling 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. Lisa Ling also is a former co-host of *The View*.

The spring semester will feature lectures by legendary baseball player Cal Ripken Jr. in February and scientist Bill Nye in March. The latter's *Bill Nye the Science Guy* TV show has been beloved by children for two generations.

Ripken, the former Baltimore Orioles infielder who holds baseball's all-time record for consecutive games played (2,632), was inducted into the Hall of Fame in 2007 by 98.53 percent of voters—the highest percentage ever for a position player and the third-highest total overall.

Nye is an engineer, educator, comedian, author, and inventor who has focused on helping foster a scientifically literate society with *Bill Nye the Science Guy*, which has won 28 Emmy Awards. His appearance is part of UT Arlington's Annual Celebration of Excellence by Students.

All Maverick Speakers Series lectures are free but require a ticket, which can be obtained at www.utatickets.com. For more information, visit www.uta.edu/maverickspeakers.

2010-2011 Maverick Speakers Series

Ken Burns, documentary filmmaker
Sept. 24, 2010 - 7:30 p.m., Texas Hall

Rick Bayless, celebrity chef
Oct. 14, 2010 - 7:30 p.m., Lone Star Auditorium

Lisa Ling, journalist and TV host
Nov. 24, 2010 - 7:30 p.m., Texas Hall

Cal Ripken Jr., baseball Hall-of-Famer
Feb. 17, 2011 - 7:30 p.m., Texas Hall

Bill Nye, scientist and TV host
March 23, 2011 - 7:30 p.m., Texas Hall

NURSING PROGRAM COMBINES ONLINE, ON-SITE LEARNING

Nikki 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 9 at night if I want to," she says. "Or 1 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-enriched online format with extensive clinical experiences to address two aspects of the national nursing shortage: lack of faculty and insufficient clinical learning space. Clinical training for the first cohort is 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 the more than 170 hospitals in the school's Academic Partnership network. "Innovative approaches to enrolling and supporting students into schools of nursing are paramount, as we face a significant nursing shortage," says Rosemary Luquire, senior vice president and chief nursing officer at Baylor Health Care System in Dallas. "We are eager to test new strategies with our UT Arlington College of Nursing partner." With help from service provider Higher Ed Holdings, the program is expected to substantially increase the college's capacity to accommodate qualified applicants and create a seamless transition to the role of the registered nurse upon graduation. "The Academic Partnership-BSN program provides an effective strategy to produce highly confident and competent new registered nurses," says Beth Mancini, College of Nursing associate dean and chair for undergraduate nursing programs. In 2008 the college partnered with Higher Education Holdings to expand the RN-to-BSN program. Offering an accessible, affordable online option, the Academic Partnership RN-to-BSN program has grown from 100 students to more than 2,000. The Master of Science in Nursing program launched an Academic Partnership offering in nursing administration in March.

Adult Stem Cell Center, 2030 **Future**



If you could cure any disease, what would it be? Cancer? Diabetes? Stroke? Bioengineering Professor Liping Tang and Ramesh Saxena, an associate professor at UT Southwestern Medical Center at Dallas, are shooting for 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 500,000 stem cells from one patient. Tang's method can yield more than 100 million stem cells. "We have to do 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 bank just like a blood bank. "Imagine people coming into the bank and getting adult stem cells for their spinal cord injury or diabetes. That would be marvelous."

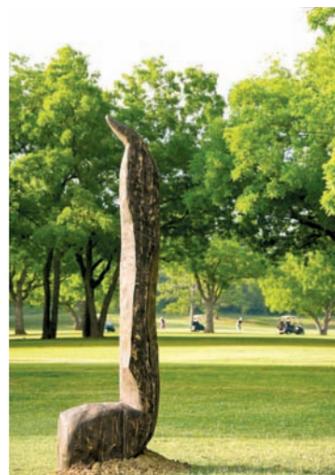
ILLUSTRATION BY STEPHEN DURKE

Gallery Golf Course Art

PLANE AIR
Local golfers saw more than greens and fairways last summer as Lake Arlington Golf Course displayed 13 sculptures by UT Arlington students. *Plane Air* was the brainchild of sculpture Assistant Professor Darryl Lauster, who approached course officials with the idea of putting an exhibit in an unexpected place. The works were created by students in Lauster's 3-D Forms and Intermedia 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 classes found the venue itself inspirational. "In the studio 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 derives from the French *plein air*, which means painting or drawing outside, as in the open air. Students changed the phrase to plane air as a nod to the sculptor's plane, a carving tool.



"Dormant" by Christopher Lee



"Wishbone" by J. Rueben Melendez



"Explorations of the Sublime" by Janet Morrow



"Portrait of Mullie Wickers Battlefield Landscape Living in the Round" by Deb Gonzalez



"Allude" by Jared Holt



"Spree II" by J. Rueben Melendez



"Spree I" by J. Rueben Melendez



"Alluded 2" by Jared Holt



"Rilly" by Lauren Papan

ENGINEERING RESEARCH BUILDING NEARS COMPLETION

Construction on the 234,000-square-foot Engineering Research Building (ERB) near the corner of Cooper Street and UTA Boulevard remains ahead of schedule. "We're more than 85 percent complete," says Bill Amendola, senior project manager for the UT System's Office of Facilities Planning and Construction. "The ERB is dried-in, meaning all exterior doors and windows are in place and the interior air is conditioned. We're beginning to install some of the casework and ceiling grids, starting on the top floors in each section and working down." The building's north wing, along UTA Boulevard, has two sections, one six stories and one five stories, and will house classrooms, offices, and laboratories for the Computer Science and Engineering Department. The four-story east wing, along College Street, will house labs for the Bioengineering Department and the College of Science. The building's exterior stone and masonry is in place. The red brick matches the adjoining Nedderman Hall and the Engineering Lab Building, as does the smooth and rough-hewn limestone. A pedestrian bridge connecting the third floors of the ERB and the Engineering Lab Building is almost complete. The ERB is designed to meet requirements for Leadership in Energy and Environmental Design Silver certification. Its energy-saving features include green and light-reflecting roofs, 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.

MAGIC WORDS Do what you do best and stick with it were among the words of wisdom offered by Earvin "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, *32 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.



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 1948 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 *Logan'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 endowment to assist in recruiting of outstanding professors in the field of film, video, and screenwriting," he says of his \$250,000 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 important because Mr. Woodward is an acclaimed actor and knows what quality film work is."

Numbers

3,116

The spring 2010 graduating class was the University's largest, as 3,116 candidates crossed the Texas Hall stage. The class was 10.5 percent larger than last year's previous high mark, with 2,247 students receiving undergraduate degrees and 869 earning master's or doctoral degrees.

28,813

Enrollment hit a record 28,813 in spring 2010, a 194 percent increase over spring 2009. It was the first time spring enrollment exceeded the previous fall's total. Another record is expected when enrollment figures are released later this fall.

150,000,000,000,000

That's 150 trillion for those unaccustomed to 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 the LHC near Geneva, Switzerland.

6,000

The Rent-A-Text 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.

Champs

JASMINE WALLS

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

TERI LYLES

Pitcher Teri Lyles received the Southland Conference Freshman of the Year award in softball. She led the team in earned run average (1.78), wins (15), and innings pitched (219.2).

SAMANTHA CHUMCHAL

Senior catcher Samantha Chumchal was named to the All-Southland Conference softball first team. She had six home runs, 28 runs batted in, and a .994 fielding percentage.

JASON MITCHELL

Senior pitcher Jason Mitchell struck out 113 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 NEGREANU

Junior Daiana Negreanu posted a 12-3 record and was named to the All-Southland Conference first team. Both the women's and men's tennis teams finished second in the SLC Tournament.

ZACK FISCHER

Junior Zack Fischer 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.



High Riser

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 pan out. 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-3 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 (678) 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.

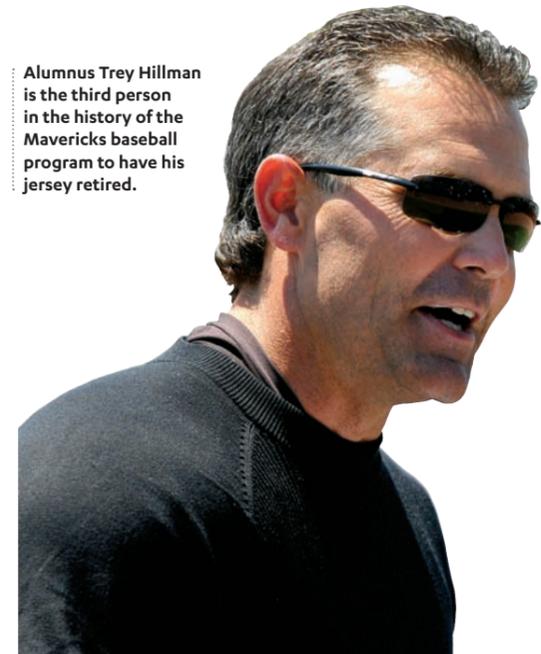
He wasn't bad off the court, either. He got face time with Magic Johnson last spring when the NBA legend spoke on campus, and he was surprised to learn that Johnson knew who he was. Word spreads quickly when a player can score like Haynes.

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 McBroom (No. 30) 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 1985 led the Southland Conference and remains the school's single-season record. In 1992 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-rans to the Japan Series and Asia Cup titles in 2006. In October 2007 Hillman ('91) became the 15th manager of the Kansas City Royals and guided the team until May 2010.

Alumnus Trey Hillman is the third person in the history of the Mavericks baseball program to have his jersey retired.



Baseball Sports



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 becomes the first Maverick taken in the first round. He was named the 2010 SLC Player of the Year and Hitter of the Year and led the league with a .383 batting average, 16 home runs, and 59 runs batted in. His 76 walks were the most in the nation and a single-season conference record, and his .568 on-base percentage ranked second in the nation. In three seasons at UT Arlington, the 20-year-old junior set the career home run record with 34. He ranks second in career batting (.392), runs batted in (162), and total bases (393), and is third in career slugging percentage (.636). 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.

As partners inside and outside the laboratory, these couples are raising eyebrows with groundbreaking work in microbiology, nanotechnology, and genomics. They're skilled at raising families, too. BY JUDY WILEY

Married to Their Research (and Each Other)

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 as 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.



ILLUSTRATION BY JOSH COCHRAN



ILLUSTRATION BY JOSH COCHRAN

Jorge is lighthearted and funny by nature but firm when it comes to parenting: “If they don’t like what we’re having,” he says, “I tell them 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 3 a.m. and take a culture, Maeli knows I’m here and not at some bar.”

ZEYNEP CELIK-BUTLER AND DONALD BUTLER



A firm boundary between work and home, and an equally firm commitment to not being “a package” at work, has been key for these electrical engineering professors.

The Butlers met in the early 1980s as Ph.D. students working under the same thesis adviser at the University of Rochester. Donald had come to Rochester from Toronto, Zeynep from Istanbul. They worked at Southern Methodist University for 15 years before moving to UT Arlington in 2002—labs, equipment, and all.

“We had a rule we established, the 635 rule,” Dr. Celik-Butler says. “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.” Besides, Dr. Butler says, their children “are not interested at all.” The older daughter studied chemistry at UT Austin, while the younger is interested in computer graphics.

Even if they were interested, work would be tough for the offspring to understand. The Butlers speak the esoteric language of nanotechnology, the realm of microscopic devices. Theirs is the amazing world of, for example, “smart skin” that could soon enable a prosthetic arm to feel.

Current prosthetic arms generally come with what amounts to a hook or a claw. Celik-Butler, who directs UT Arlington’s Nanotechnology Research and Teaching Facility, says a few companies have produced more life-like devices, “but they wound up with a 10-pound arm.”

Nanotechnology can solve that problem, adding the sense of touch with microscopic sensors. The Butlers’ “smart skin” layers sensors into flexible silicon that could be placed inside a prosthetic arm or hand.

They have patents for several thin-film infrared detection devices, and some of their work has defense applications. Another device is a small card used with mannequins in cardiopulmonary resuscitation training. It displays red, yellow, and green lights to tell a trainee whether the pushes administered to the patient’s chest are deep enough and at the right speed.

The Butlers consciously adopt independent stances at work, even though they collaborate. “We have an unspoken rule,” Celik-Butler says. “It’s OK to disagree at work.”

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.

“Work is not work,” 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

As referees in the NFL and NBA, alumni Undrey Wash and Monty McCutchen hold two of the most exclusive and highly scrutinized jobs in the world. UT Arlington served as training ground for both. BY MARK PERMENTER

Higher Calling



A dozen large and angry men surrounded Undrey Wash on Super Bowl Sunday in February. They cursed, 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 alumnus 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.



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 \$5 a game officiating various sports. His first taste of on-field animosity came in 1982 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: peewee, 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 the NFL moved umpires behind the offensive backfield this season, out of the line of fire.

Even that vantage point wouldn't have kept him from missing most of the 2007 season after rupturing the patellar tendon in his left knee when a player celebrating a touchdown was pushed into him. That's the only thing that has slowed Wash's rise.

After working the playoffs and a couple of championship games, he knew he was among the league's top-

rated umpires. They're graded on every play of every game, and only those who rank the highest advance to the postseason. But was he good enough for the world's grandest sporting event?

"You never know," he says, "until you get that phone call."

Mike Perreira, then director of NFL officiating operations, delivered the good news at the desk of Wash's Las Colinas Allstate office, where he's a claims controller on weekdays. As Wash thought about his injury, the birth of his daughter, and all the people who helped him along the way, tears welled.

"It was an emotional moment," he says. "As soon as you hang up the phone, you're going, 'Yeah!'"

As for the Super Bowl itself, Wash describes it as business as usual except for the thousands of camera flashes at the opening kickoff. And the onside kick. Before the game, the Saints' special teams coach told him the surprise move was in their game plan, but Wash didn't know when.

"I tried to put my hand in the pile and feel the ball," he said. "It was a feeding frenzy and definitely survival of the fittest."

Wash estimates that football officials have less than a 1 percent chance of landing a spot on one of the NFL's 17 crews. Most who do never sniff the Super Bowl. Carl Cheffers, Wash's friend and crew chief last season, knows how rare an accomplishment it is.

"Think about the thousands of officials who want to make it to the NFL. To be selected and have success is a great achievement in itself," Cheffers says. "You can't get any higher validation of your work than to get to the NFL and work the Super Bowl. Undrey is among the very, very few to accomplish that feat."

You can't get any higher validation of your work than to get to the NFL and work the Super Bowl. Undrey is among the very, very few to accomplish that feat.

—Carl Cheffers

CONFLICT RESOLUTION

National Basketball Association referee Monty McCutchen says dealing with disgruntled players is just part of the job.



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 junior 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 horse, 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 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 spouted: "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 2009.

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 or you 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.

"To reach the NBA Finals, Monty is considered one of the best," says Duke Callahan, who worked Game 2 alongside his friend. "He puts the game first, the crew second, and himself third. That's the sign of a great referee."

McCutchen and Wash have never met, but they are kindred spirits. They know what it's like to work at one of the hardest and least-appreciated jobs in sports. And they know how it feels to reach the top. ♦

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.

—Duke Callahan

The Lone Star Sho^{pe}

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.





America Settentrionale

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.



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.



Map of Texas and the Countries Adjacent

William H. Emory et al.
 Engraved transfer lithograph
 (with hand-colored outlines), 53 x 81 cm
 Washington, D.C., 1844
 Virginia Garrett Cartographic History Library, UT Arlington

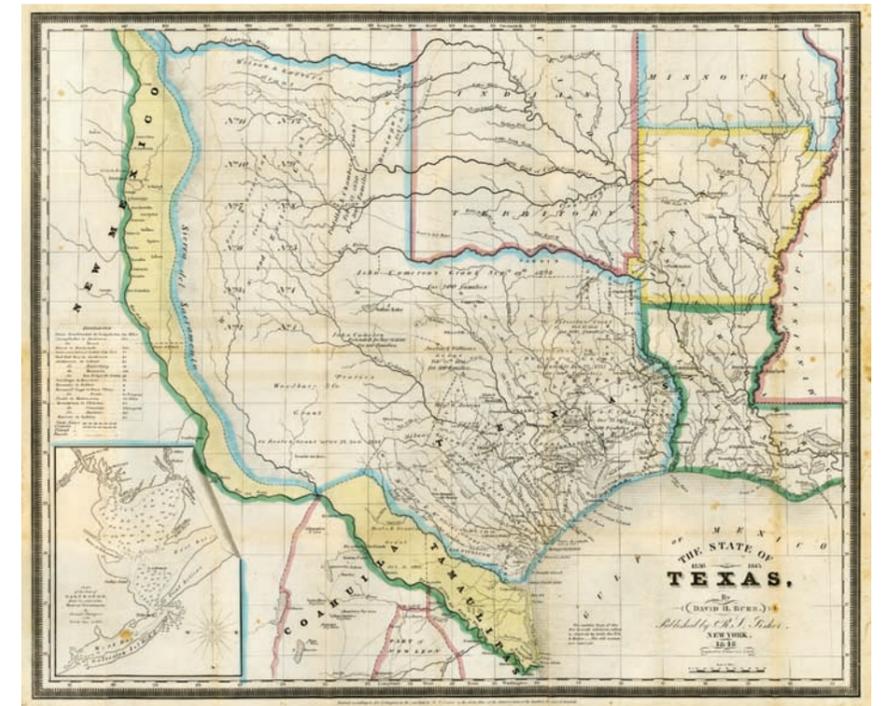
U.S. Army Maj. William H. Emory's 1844 map portrayed the borders of the independent nation of Texas according to its most flamboyant and grandiose claims. The additional area included sizable portions of the present states of New Mexico, Oklahoma, Kansas, Colorado, and Wyoming.

SPECIAL COLLECTIONS These maps are among the thousands housed in the Library's Special Collections. The 50,000 books, 4 million photographs, 7,000 sheet maps, and other documents in the archive cover the Mexican-American War; the cartographic history of Texas, the Gulf of Mexico, and the Southwest; Mexican political history from 1810-1920; and the history of the University itself. The Virginia Garrett Cartographic History Library within Special Collections contains one of the premier map collections in the country. It features thousands of rare maps and atlases that trace five centuries of exploration and mapping of the New World, with particular emphasis on the Gulf Coast and the Greater Southwest. For more, visit <http://library.uta.edu/spco>.

The State of Texas, 1836-1845

David H. Burr
 Engraved transfer lithograph
 (with hand-colored outlines), 45.5 x 54 cm
 New York, 1846
 Virginia Garrett Cartographic History Library, UT Arlington

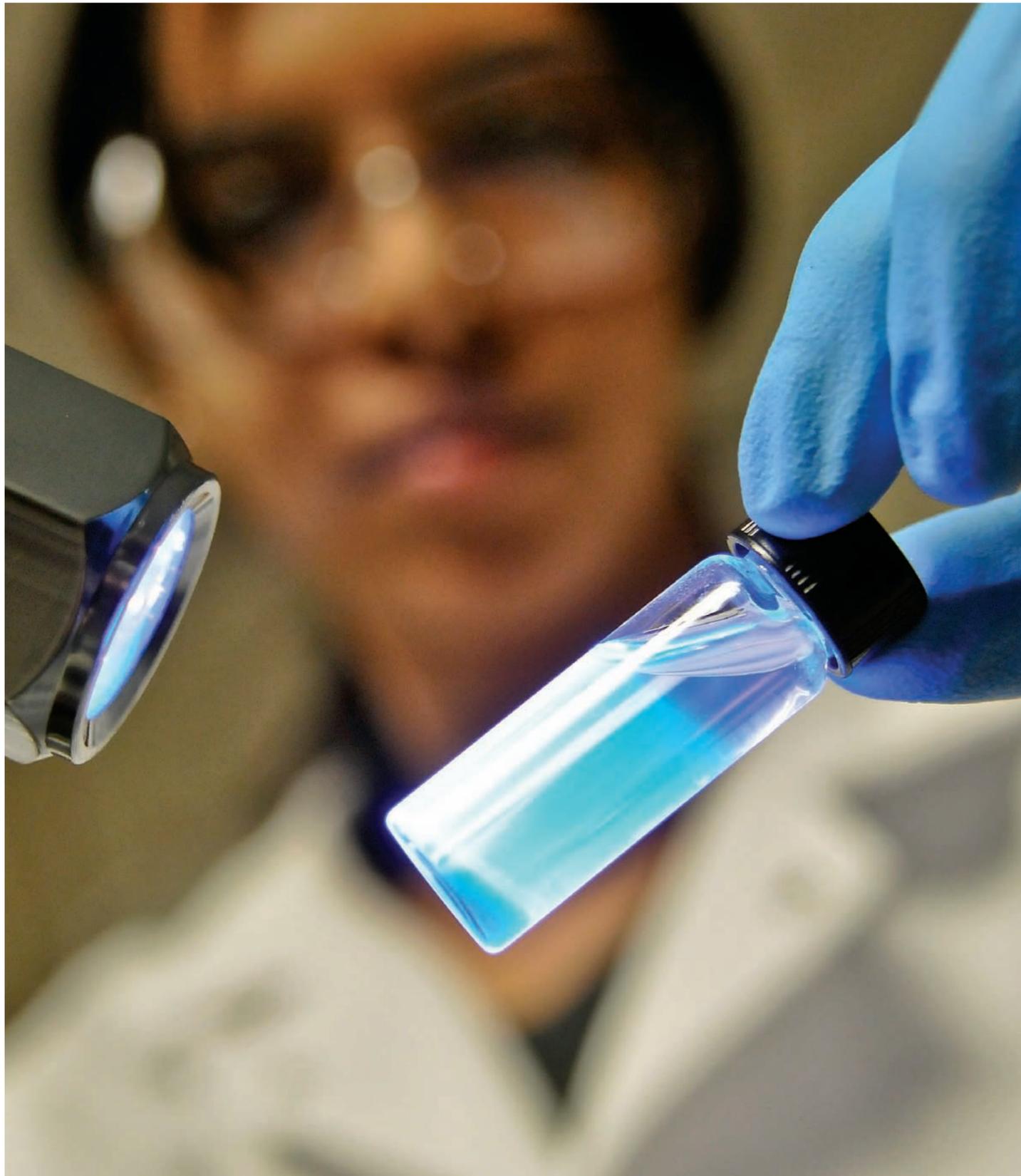
One of the first printed maps to show the former Texas republic and Mexican province as a state, it features distinct hand coloring to illustrate disputed areas (in yellow) claimed by both the Texas (and by then United States) and Mexican governments from the time of Texas independence in 1836 to the eve of the U.S.-Mexican War in 1846.



New Map of Texas

Anthony (Anton) R. Roessler
 Lithograph, 38 x 41 cm
 New York, 1875
 Virginia Garrett Cartographic History Library, UT Arlington

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.



PHOTOGRAPH BY ROBERT CROSSBY

Glowing Results

Bioengineering researcher Jian Yang's development of a fluorescent material that's also nontoxic and biodegradable could boost cancer treatment, tissue engineering, and even the cosmetics industry. BY DANNY WOODWARD

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

QUANTUM LEAP

A fluorescent material that uses naturally occurring building blocks could help detect cancer in early stages and deliver drugs to combat the disease.

There are so many applications in so many fields—not just biomedical. I'm trying to develop biodegradable polymeric quantum dots. This would be a paradigm shift.

—Jian Yang

DISAPPEARING ACT
After the photoluminescent polymers (opposite page) developed by bioengineer Jian Yang (right) help the body heal, they go away.

than waiting years for a donor and then facing potential rejection, maybe doctors will use BPLP to grow organ tissue using the patient's own stem cells. No waiting. No rejection.

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

YOU SAY YOU WANT A REVOLUTION?

The leading edge 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

dyes and quantum dots are merely imaging agents and can't be used as implant materials such as drug delivery carriers or tissue-repairing templates.

Yang's polymer forgoes the dye and the quantum dots. "The material itself is fluorescent, and this is unique," he says. "None of the previous biodegradable polymeric implant materials can emit fluorescence without using an organic dye or a quantum dot. I think this is a revolution in biomaterials science."

Khosrow Behbehani, chair of UT Arlington's Biomedical Engineering Department, says Yang's work is "of fundamental significance to biomedicine."

"The polymer that Dr. Yang has developed can potentially be used in important and innovative biomedical applications. It will provide opportunities for discoveries and improving health care that have not been available before."

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.

In many cases, "fluorescent materials" really means "quantum dots." The market-research company BBC Research predicts these tiny dots will have a \$700 million market share by 2013. Yang's not impressed.

"We can beat quantum dots," he says. "If we can demonstrate that we can use our materials to do whatever quantum dots can do, we can dominate the market."

He does have this going for him: Quantum dots are incredibly expensive, as much as \$10,000 per gram. By comparison, the components he uses to synthesize BPLP are readily available and cost only several dollars per gram, and mass fabrication of the polymer is "really convenient, if you know how to make it."

In lab tests, BPLP performs similarly to quantum dots. BPLP also biodegrades and is nontoxic, something no other fluorescent material can claim.

"There is a significant body of research that aims to make quantum dots biocompatible," Dr. Behbehani says. "But Dr. Yang's invention already provides the functions that biocompatible quantum dots may provide in the future."

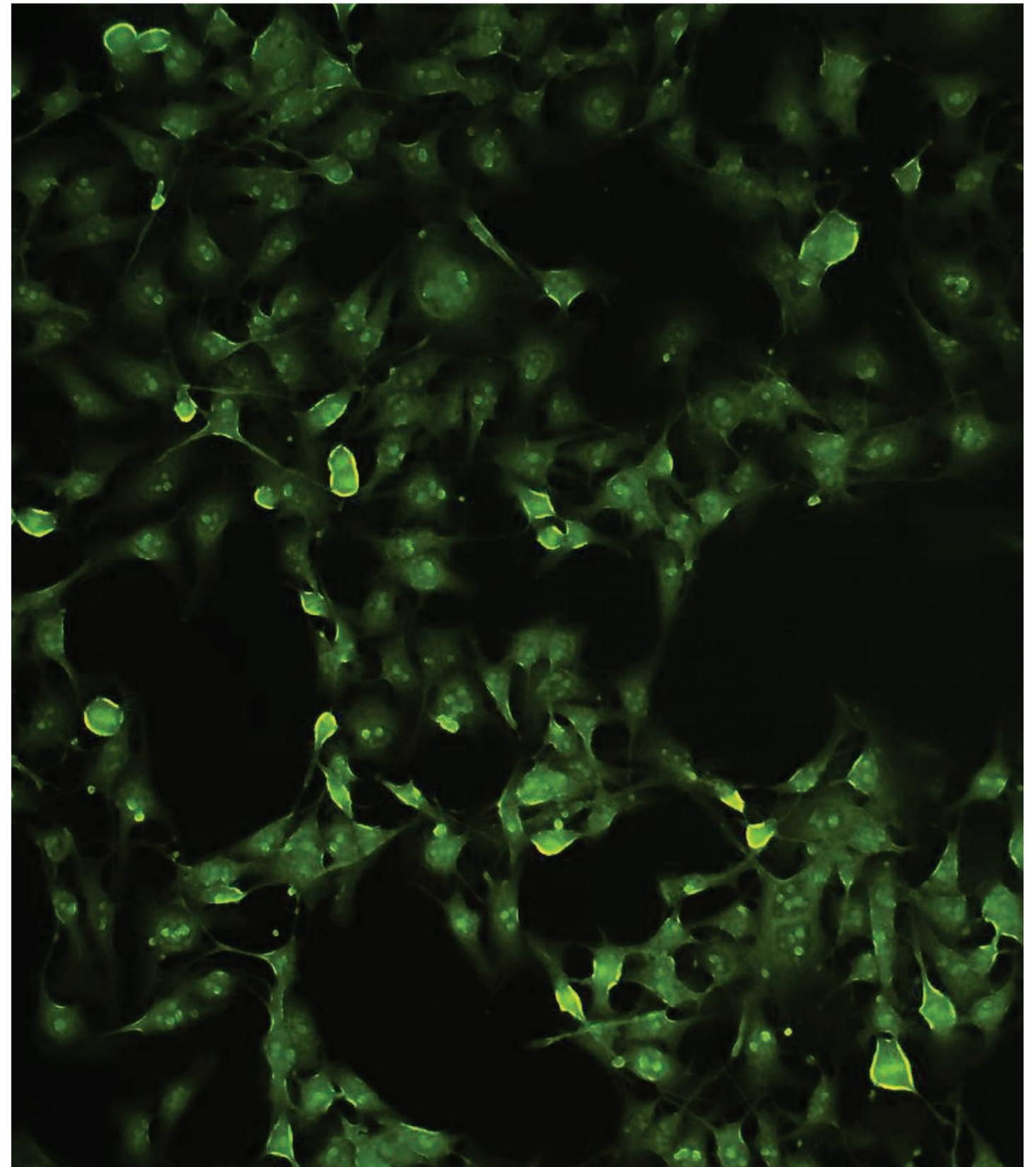
Yang says he needs to fully understand the science before he ventures into the business. But it's easy to imagine that his BPLP might someday corner the market on biomedical applications. That's why he hopes to secure a grant that will help him turn his laboratory discovery into a (potentially lucrative) small business, one that turns BPLP into commercial products that will help doctors treat patients in new and better ways.

Already he has established collaborations with one large cosmetic company (he won't say publicly which one, but you've heard of it) to see what applications his polymer might have in the beauty business.

Besides that, Behbehani says, several inquiries for licensing have been received.

"There are so many applications in so many fields—not just biomedical," Yang says. "I'm trying to develop biodegradable polymeric quantum dots. This would be a paradigm shift."

And a quantum leap from quantum dots. ☘



PHOTOGRAPH BY JIAN YANG

Students are flocking to UT Arlington's 105 graduate programs in record numbers. Their reasons are as varied as the degrees they're pursuing. BY TERESA NEWTON

MAJORING to BACHELORS

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 50.9 percent," Dr. Cohen said. "From 2001 to 2009, moreover, doctoral enrollment grew from 589 to 969."

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, Deb, Lopez, and Voinov to UT Arlington. Many others are following for the same reasons.

SANCHALI DEB DRIVEN TO HELP

Sanchali Deb could have gone to any university she wanted for her doctoral work. Her academic performance at Jadavpur University and Siliguri Institute of Technology was stellar. Her work in control systems was exceptional.

She was considering the Ph.D. program at Texas A&M University, but something was missing. She had an unmet passion for helping people. Deb made a phone call to UT Arlington electrical engineering Professor J.C. Chiao, who works on medical devices with a range of health benefits.

"I told Dr. Chiao that I had no experience but was thinking about doing my Ph.D. work at UT Arlington and wanted to go into what he was doing," Deb says. "His team is multidisciplinary, and he welcomed me."

Chiao says the strength of his team is its diversity.



STIMULATING DISCOVERY

Doctoral student Sanchali Deb has developed a miniature gastrostimulator that helps cancer and diabetes patients digest food.

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

Once I got to know my professors, I knew I could do more. I stayed at UT Arlington because of the faculty and staff. I knew I would get the support I needed.

—Antonio Lopez



STRENGTH IN NUMBERS

Math whiz Antonio Lopez received a highly competitive graduate fellowship from the Department of Education.

ANTONIO LOPEZ BEATING THE ODDS

Numbers speak to 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 plus two always equals four.

"We get the best ideas because everyone is coming at an issue from a different point of view," he says. "That's part of what makes a great graduate program. To achieve greatness, we need to create synergy."

Chiao's research group consists of students from electrical engineering, bioengineering, mechanical engineering, material science, physics, biology, and psychology, plus collaborators from urology, neurology, neurosurgery, gastroenterology, surgery, and oncology. He also works with 12 clinicians from seven hospitals.

Deb's decision has led her to develop a miniature gastrostimulator for which she is seeking a patent. It helps cancer patients who are undergoing chemotherapy and severely distressed diabetic patients with gastroparesis restore stomach motility so they can digest food.

"I was interested in something that had a direct impact on people," Deb says.

The gastrostimulator works much like Chiao's sensor that helps people battle gastroesophageal reflux disease. In a 30-minute outpatient procedure, a doctor inserts the device through the throat and esophagus using an endoscope and attaches it to the inside of the stomach. A small controller outside the body wirelessly activates the implant to produce weak electrical impulses that stimulate the stomach tissues to digest food.

"When I saw our devices help the stomach move properly, I was so excited and had a warm feeling in my heart," Deb says. "The doctors in the surgery room were also thrilled. They started making phone calls, asking their colleagues to come in and see."

These clinical trials are the beginning of what Deb hopes will lead to a widely used product.

"It would be very rewarding to design something that would benefit people who wouldn't survive without it."

"I noticed in one of my classes that the teacher was saying, 'I don't know how you do it. You don't understand me, but you got it right,'" Lopez says of his math homework. His top grades in math resulted in other Hispanic students asking him for help, and he obliged.

Numbers, and his skill with them, helped boost Lopez's self-esteem and generate positive attention from teachers. And numbers gave him a future—a much brighter one than he originally anticipated.

"My goal was to get my bachelor's and start working," the former architecture major says. "I thought there was going to be a lot of mathematics (in architecture) but decided it wasn't for me. I decided to get a math degree."

Lopez received his bachelor's degree—the first in his family to do so—with honors in August 2009. He's now on the road to being the first to earn a graduate degree.

"When I got a bachelor's degree, my father thought I would get a job. When I started graduate school, he said, 'Aren't you done with school?' They don't know what a Ph.D. is, but I explained that you have more opportunity."

"Once I got to know my professors, I knew I could do more. I stayed at UT Arlington because of the faculty and staff. I knew I would get the support I needed."

The support was there all along, particularly from Professor Tuncay Aktosun and Associate Professor Minerva Cordero. Support on the graduate level includes more mentoring by professors, as well as financial assistance. His GAANN fellowship from the U.S. Department of Education includes a stipend for living expenses. And he is paid for his graduate assistant job in the calculus lab.

Lopez says he hopes to do more research with Dr. Aktosun.

"I am more interested in applied mathematics, something that really applies to the real world," he notes. "I like to do research in differential equations. When I worked with Dr. Aktosun on solitary waste, the main focus was to find solutions using a lot of mathematics."

At the graduate level, mathematical analogies are challenging Lopez to think beyond numbers.

"You are explaining why this equation is the way to the solution. With analogies, you have to express yourself in language but with numbers, about numbers. You have to understand what they are saying."

VITALY VOINOV WORD POWER

Vitaly Voinov is a hands-on, roll-up-your-sleeves kind of guy. That's one reason he chose UT Arlington for his doctoral degree.

"UT Arlington has a good blend of theory with practice," he says of the Linguistics Department in the College of Liberal Arts. "I'm into linguistics because you can use that knowledge in many different, practical ways."

Voinov originally wanted to be an archeologist, the Indiana Jones kind. Then before starting undergraduate studies at the University of Virginia, he signed up for a summer archeological dig in Israel. "It's not as exciting as the movies," he confesses.

His interests shifted when a professor compared shards of pottery to morphemes, the smallest linguistic unit with a semantic meaning. For example, "dogs" contains two morphemes: "dog" (canine) and "s" (plural).

Language diversity was already a big part of Voinov's life. Born in St. Petersburg, Russia, and brought up in New York City, he spoke Russian at home and English



at school, where he studied French and ancient Greek.

He studied theology at a seminary, followed by a related nine-year project in Siberia. While there, he immersed himself in Tuvan, the language of Tuva, a member of the Russian Federation on the northern border of Mongolia.

"Russian is the dominant language there," he says of Tuva. "Tuvan is not studied much in the Western Hemisphere. There is only one English-language dissertation on Tuvan. Hopefully, mine will be the next."

He returned to the United States in 2007 with plans to earn a doctorate in linguistics while documenting the Tuvan language. UT Arlington's linguistic program met his needs, and the financial aid offerings were "very attractive," Voinov says. He received the Graduate Stimulus Scholarship, which provided \$2,500 and allowed non-resident students to pay in-state tuition.

Linguistics Associate Professor Colleen Fitzgerald says Voinov's work with Tuvan has been an asset to UT Arlington's language revitalization work with tribal communities in Oklahoma. Why preserve a language when a community takes on a more dominant one, such as Russian or English? Family, Dr. Fitzgerald says. "Imagine if your grandmother spoke one language and you couldn't understand her."

The larger family of humanity is another reason. Linguistics can show how people moved throughout time, letting one language merge with another.

After earning his degree, he plans to continue researching Tuvan. He also hopes to help save a distantly related language in Moldova called Gaguz that may become extinct in a few generations.

Voinov's hands-on attitude does have room for play. He recently won a research poster award. His topic: Words should be fun, using Scrabble as a tool for language preservation.

MEREDITH LYON GATEWAY TO GROWTH

After earning a law degree from Texas Tech and landing a job in the Dallas City Attorney's Office, Meredith Lyon knew another graduate degree would require one thing she had precious little of—time.

Lyon is the deputy chief prosecutor for Dallas and

handles a range of Class C misdemeanor offenses, from traffic issues and animal cruelty to housing code violations. She supervises 16 attorneys, staffs 13 courts, and provides training to attorneys, police officers, environmental health inspectors, and code compliance workers. Every now and then, she prosecutes a case herself.

"We run a very busy shop down here with 12,000 cases a month," the Farmington, N.M., native says.

"I saw the way things were operating and wanted to make a positive contribution to the city as to how we do business, make it more efficient. I'd been thinking about graduate school for a long time. I heard some wonderful things about SUPA (UT Arlington's School of Urban and Public Affairs). It finally got to a point of either do it or don't. I knew I would regret it if I didn't."

Evening and online classes have enabled Lyon to maintain her busy schedule.

"The degree programs are so flexible these days. I don't think there's a reason you can't earn a degree. Any time I have a conflict with work, the advisers and faculty have been very understanding. My supervisors have been very supportive. They know this will help me in the long run and help the city."

Her classes at SUPA already are helping in her day-to-day duties as a prosecutor. She has learned more leadership skills, management techniques, theories on organizational behavior, and especially conflict resolution methods.

"We're in an adversarial role," she says of her job as a prosecutor, "so people are not very happy when they come in and handle their citations."



Her master's degree in public administration is a solid investment, says Lyon, who is paying for her education without loans or scholarships. "The tuition was affordable enough that I could pay for it myself."

She hopes to one day work in city management but not stray far from practicing law. For now, she's enjoying learning with fellow students from a variety of jobs and backgrounds.

"It's refreshing to get into a classroom and know that the professors truly enjoy the subject matter and enjoy helping you learn the subject and broadening your horizons. They challenge you outside your comfort zone." ☺

IT'S ALL ABOUT OPTIONS

Linguistics doctoral student Vitlay Voinov, left, and public administration master's student Meredith Lyon found their niches at UT Arlington.

Explore

Interested in graduate school? Attending a UT Arlington Graduate Forum is a great way to explore the possibilities. It's free, and you can speak with advisers about a number of topics, including graduate programs and admissions requirements. For the latest schedule, go to grad.uta.edu and click on "Graduate Forums."

FALL GRADUATE FORUMS COLLEGE OF BUSINESS

817-272-3005
Saturday, Oct. 9, 10 a.m.-noon
Saturday, Dec. 4, 10 a.m.-noon

COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

817-272-0149 or 817-272-0116
Wednesday, Dec. 1, 5-7 p.m.

SCHOOL OF URBAN AND PUBLIC AFFAIRS

817-272-3071
Wednesday, Dec. 1, 6-7 p.m.

COLLEGE OF ENGINEERING

817-272-2571
Saturday, Dec. 4, 9:45 a.m.-noon

COLLEGE OF NURSING

817-272-2776
DPN program
Monday, Nov. 29, 7-8 p.m.

MSN PROGRAM

Monday, Nov. 29, 4-6 p.m.

PH.D. PROGRAM

Monday, Nov. 29, 6-7 p.m.

SCHOOL OF SOCIAL WORK

817-272-3613 or 817-272-1044
Saturday, Nov. 6, 10 a.m.-noon

UT ARLINGTON FORT WORTH CENTER

817-272-5956
Wednesday, Oct. 20, 6-7 p.m.

AlumniNews

THE WORLD AND UT ARLINGTON



ILLUSTRATION BY KAREN DAVISON

Eight former students who have excelled in a range of professions will be honored at the Distinguished Alumni Gala.

Distinguished Company

Recipients announced for UT Arlington's highest alumni honor

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. Hereford University Center.

Greg Barron ('91), Clifford Hahne ('82), Robert Irish Jr. ('66), Jean McSweeney ('83), Ignacio Nuñez ('75), and Thomas Rourke ('74, '78) 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 sustains village schools and an orphanage in India.

Hahne holds a bachelor's degree in mechanical engineering from the College of Engineering. He is a regional president for Lehigh Hanson, Inc., and has been recognized for his contributions by the U.S. Department of Labor, the Associated General Contractors, and other organizations in the concrete pipe and products industry.

Irish earned a bachelor's degree in mathematics from the College of Science. He was in the UT Arlington Cadet Corps and later served with the 51st Signal Battalion in Korea. He founded Texcom Southwest and later sold it to Intermecc Corp. He currently serves as president of Controls International Inc.

Dr. 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.

Dr. Nuñez earned a bachelor's degree in biology 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 Hospital's president of the medical staff.

Rourke holds a bachelor's degree in sociology from the College of Liberal Arts and a master's degree from the School of Social Work. He recently teamed with partners to establish Ascend 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, Athletic 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 person in Jordan.

The 2010 Distinguished Alumni are, from left, Ignacio Nuñez ('75), Greg Barron ('91), James Ditto, Robert Irish Jr. ('66), Jean McSweeney ('83), Nasser Ahmed Lozi ('79), Clifford Hahne ('82), and Thomas Rourke ('74, '78). Visit www.uta.edu/alumni/distinguished for more information on the honorees.

Snapshot



1895 SOCIETY

Richard Greene, left, and Derek Main examine a fossil at the 1895 Society reception at the Fort Worth Museum of Science and History.



STUDENT LEADER ALUMNI

Attending the Student Leader Alumni Reception during Homecoming were, from left, Delila Pleasant ('06), Bryant Robertson ('07), Jennifer Cathcart ('99), and Tim Brown ('09).



1895 SOCIETY

Attending the 1895 Society reception were, from left, John O'Shea, Kathleen O'Shea, Mojiy Haddad ('77, '81), and Julia Haddad.



MAVERICK RING CEREMONY

Senior Stephanie Moran, left, and O.C. Abajue ('10) received their class rings at the Official Maverick Ring Ceremony. Visit www.uta.edu/alumni/maverick for more information.

New Direction

Alumni Association welcomes dynamic leader

Lora Malone says much of a university's excellence stems from its alumni and their affinity for the institution. Strengthening the connection between UT Arlington alumni and their alma mater is among her goals as the Alumni Association's new executive director.

"The UT Arlington campus has a breadth of energy and a strong commitment to faculty and staff," says Malone, who most recently was vice president and chief programs officer for the Oklahoma State University Alumni Association. "I'm excited to capitalize on that."

She comes to UT Arlington after nearly a decade with the Oklahoma State alumni organization and 19 years overall in alumni relations, development, public affairs, and marketing. As executive director of the UT Arlington Alumni Association, Malone manages strategic planning and operations for the organization and directs efforts to increase participation among the University's 148,000 alumni.

Malone earned a bachelor's degree from Central State University in Edmond, Okla., and a master's degree from the University of Central Oklahoma, also in Edmond. She brings significant leadership experience at a Big 12 university and a high enthusiasm that will benefit UT Arlington in many ways, says Emily Hoad, president of the UT Arlington Alumni Association's Board of Directors.

"We have a strong foundation with our Alumni Association," Hoad says. "As the University grows by leaps and bounds, we want to be a partner in that process."

Malone, who began in June, says she looks forward to putting her experience to work on the UT Arlington campus and beyond.

Lora Malone is the Alumni Association's new executive director.



ROCKET WOMAN Students have a new source of inspiration as they walk through Nedderman Hall this fall. The Kalpana Chawla Memorial was dedicated in May in recognition of Chawla, who earned a master's degree in aerospace engineering in 1984 before becoming an astronaut. She was aboard the Space Shuttle Columbia when it broke apart over Texas during re-entry in February 2003. The display includes one of her flight suits, photographs, biographical information, and a flag flown over Johnson Space Center during the memorial for the astronauts. Chawla's husband, Jean-Pierre Harrison, below, donated the items and says his late wife would be pleased to know that she's an example to others.



ALUM WILLIAM MCKENZIE SHARES PULITZER PRIZE



His 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 ('79) finished lunch and raced back to work. Just in time for his boss to tell him to be downstairs in three minutes. Not all interruptions are created equal, and this one was welcome: McKenzie, a columnist at *The Dallas Morning News*, had just won a Pulitzer Prize for editorial writing. He shares the award with colleagues Tod Robberson and Colleen McCain Nelson. "I was completely surprised," McKenzie says. "You're kind of looking at yourself and thinking, 'We just won the Pulitzer!'" He did so for a series of editorials spotlighting the differences between affluent north Dallas and impoverished south Dallas. Or as UT Arlington President James D. Spaniolo said when introducing McKenzie as the Maverick Celebration keynote speaker last May: "Bill McKenzie focused our attention on parts of the community that too often are ignored, because it's easier to ignore an unpleasant reality than to do something about it. We are proud that he has committed his life and career to such important work." That commitment was forged by debates and writing projects in political science classes at UT Arlington—Luther Haggard's class chief among them. Awards weren't on McKenzie's mind when he began this project; in fact, he didn't even know his editors had submitted it for Pulitzer consideration. "It does elevate the project, and that's a good thing," he says. "And personally, it does give you a quiet confidence that you're doing some good work." The late Professor Haggard no doubt would have been proud. "On the last day of class, I don't think either of us would have said that he had changed my life," McKenzie says. "But I knew that he had."

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Alumni Mansfield, Texas



WILL LATHAM, JOEL WARD
As they strolled through downtown Mansfield shortly before noon March 13, retired Maj. Gen. Will Latham ('49), left, and retired Col. Joel Ward ('62) flashed back to a similar trek they made 50 years earlier. In 1960 Latham, then a captain and assistant professor of military science and tactics at Arlington State College (now UT Arlington), led Ward and a handful of other cadets on a 126-mile march from campus to Killeen's Fort Hood. Dubbed the Long March, the journey served as a motivational tool and source of inspiration for the two-year college cadets who were transitioning to a four-year institution. Instead of heading to the beach or ski slopes, more than 40 UT Arlington ROTC cadets embarked on the same journey during spring break 2010 to commemorate the accomplishment of their predecessors. Latham and Ward marched part of the way to show their support. "Soldiers are encouraged to think, 'You can always die, but you can never quit,'" Latham says. "These cadets are becoming those soldiers." The group reached its destination March 17.

Events



OOZEBALL TOURNAMENT
The Student Alumni Association and Campus Recreation host the 21st annual mud volleyball tournament with proceeds benefiting scholarships. Noon **Friday, Sept. 17**, Summit Street between Greek Row and 4th Street. More information: Jasmine Stewart, 817-272-2594 or jasmine@uta.edu

COLLEGE PARK
UT Arlington and City of Arlington officials break ground on the \$80 million project that includes residence halls, a parking garage, and retail space. 10 a.m. **Friday, Oct. 11**. More information: www.uta.edu



RICK BAYLESS
The celebrity chef best known for his PBS series *Mexico: One Plate at a Time* shares his culinary expertise as part of the 2010-2011 Maverick Speakers Series. 7:30 p.m. **Thursday, Oct. 14**, Lone Star Auditorium, Maverick Activities Center. More information: www.uta.edu/maverickspeakers

ALUMNI GALA
The Alumni Association hosts the annual gala recognizing outstanding alumni for their professional achievements, service to the community, and loyalty to UT Arlington. 6:30 p.m. **Saturday, Oct. 16**, E.H. Hereford University Center. More information: www.uta.edu/alumni/distinguished

The Wild Side

Alumnus protects endangered Texas animals

Pockets filled with bug bits—cicadas, actually—are what Omar Bocanegra's mom found every week in her son's laundry. Young Omar was fascinated by nature, and boys always bring treasures home in their pockets.

Being a city kid, Bocanegra's wildlife specimens were limited. No deer roamed his Fort Worth neighborhood. "If you're interested in wildlife in the city," he explains, "your biggest variety is going to be insects."

So it was. And so it remained, at least through college. When it came time to select a university and major, Bocanegra sought out someone who shared his fascination. He found UT Arlington biology Professor James Robinson, an expert in the evolutionary ecology of aquatic insects.

Under Dr. Robinson's guidance, Bocanegra researched the desert firetail damselfly and went on to earn bachelor's and master's degrees in biology from UT Arlington. Over the years he built an extensive collection of damselfly specimens, including one that was the first to be identified in the United States.

Today he is a fish and wildlife biologist and coordinator of the Endangered Species Program in the U.S. Fish and Wildlife Service's Arlington field office. He oversees efforts to preserve and restore 11 endangered or threatened species—including the black-capped vireo and whooping crane—in 112 North Texas counties.

Much of his work involves consulting with other agencies and landowners. "We educate landowners about changes they can make to protect a species, and at very little cost to themselves," he says. "Small techniques in the way land is managed may easily help preserve a species."



Wildlife biologist Omar Bocanegra found his calling at UT Arlington.



FAMILY TIES

UT Arlington continues to be a family affair for the Hudlows, 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 2009 with a bachelor's degree in nursing, and John graduated in 2008 with a bachelor's degree in electrical engineering. Twins 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.B.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 5th 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 1983 with a bachelor's degree in general studies. As a cadet, he commanded the Sam Houston Rifles in 1979 and 1980, 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 2005. 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 “Brad” Bradley (‘41 AS) has been Cotton Bowl photographer for 63 years, dating to 1948. He was named to the Cotton Bowl Hall of Fame in 2007.

1968

Martha Burk (‘68 MA, Psychology; ‘74 PhD, General Experimental Psychology) released the book *Your Money and Your Life: The High Stakes for Women Voters in ‘08 and Beyond*. She is the former chair of the National Council of Women’s Organizations in Washington, D.C.

1970

Gary Trietsch (‘70 BS, ‘74 MS, Civil Engineering) was named Transportation Giant of the Year by the Texas Chapter of the International Chinese

Larry Kilgore (‘71 BBA, Business Administration) is regional president for the Downtown Fort Worth and Southlake Banking Centers for Southwest Securities, FSB. He has more than 40 years experience in the banking industry in the Fort Worth-Dallas area, serving most recently as president and director of Southwest Bank.

1972

Stephen B. Kinslow (‘72 BA, English) announced his intention to retire as president and CEO of the Austin Community College District when his contract expires in June 2011. He will have 34 years of service with ACC, including six as president.

1973

David Branton (‘73 BS, Electrical Engineering) is chief

executive officer for Turbine Generator Maintenance, an independent provider of inspection, maintenance, and repair services for owners of steam and gas turbines and generators in Cape Coral, Fla. He has been in the power generation service business for 37 years. **Bob McGrath** (‘73 BA, Sociology), judge of the 342nd District Court in Tarrant County, was hired by Dallas County commissioners as legal adviser. McGrath had been a Tarrant County judge since 1993.

1974

Lillie Biggins (‘74 BSN) is senior vice president of hospital operations at Texas Health Fort Worth. **Mark Plume** (‘74 BBA, Business Administration) is general manager of the J.C. Penney store in Pearland. He has worked for J.C. Penney for

41 years. **Ralph Wurbs** (‘74 MS, Civil Engineering) is an associate director for the Texas Water Resources Institute at Texas A&M University, where he is a professor in the Zachry Civil Engineering Department. He joined the department in 1980. **Paul Swasko** (‘75 MSSW) is an honorary co-chairman of the St. Joseph’s Community Foundation Heart of Paris Gala 2010, scheduled for October in Paris, Texas. He and his wife, Betty, have volunteered their time on medical mission trips to Mexico. **Sally Welborn** (‘75 BA, Mathematics) was named to the board of directors of the National Business Group on Health. She is senior vice president of benefits for Walmart in Bentonville, Ark., and has more than 25 years experience in corporate human resources. **Kent Worley** (‘75 BBA, Business Administration) retired after 32 years with the Fort Worth Fire Department. He became the department’s public information officer in 1989 and served as a commissioner of the Texas Commission on Fire Protection since 2002.

1976

David Kunkle (‘76 BS, Criminal Justice; ‘94 MPA) retired as Dallas police chief. He had previously been police chief in Grand Prairie and Arlington. **Wayne Watts** (‘76 BBA, Business Administration) is senior executive vice president and general counsel at AT&T in Dallas. **Patricia Pearson** (‘76 BSW) recently published a book, *Stop Self-Sabotage: Get Out of Your Own Way to Earn More Money, Improve Your Relationships, and Find the Success You Deserve*. She is a motivational speaker and business coach based in Cedar Park, Texas.

1977

Mike Farris (‘77 BA, Political Science) has written a book, *Kanaka Blues*, published by Savant Books and Publications of Honolulu. He is a literary agent

with Farris Literary Agency and an attorney with the Dallas firm of Tipton Jones, whose practice includes commercial litigation and entertainment law. **Chuck Gumbert** (‘77 BBA, Business Administration) is CEO for the Tomcat Group, an aviation management consultancy based in Wichita, Kan. He has more than 35 years in aviation management. **Jill Hill** (‘77 BA, Fine Arts) is executive director for the River Legacy Foundation in Arlington.

1978

Rick Baker (‘78 BM) is an adjunct professor of music at Dallas Baptist University, where he teaches orchestration and instrumental methods. He has been appointed conductor of the Arlington Community Band. He retired as director of bands at Arlington’s Bowie High School. **Gerry Barker** (‘78 BA, English) produces a blog called “Gerry Pronounced Gary” from West Palm Beach, Fla. He has run websites for the *Star-Telegram*, *The Dallas Morning News*, Belo Interactive, *The Columbus Dispatch*, the Florida Publishing Group, and, most recently, *The Palm Beach Post*. **Clayola Citane** (‘78 BA, Sociology; ‘80 MSSW) is the second woman priest to be ordained in the Episcopal Diocese of Fort Worth. She leads two congregations: Christ the King Episcopal Church in Fort Worth and the Episcopal Church in Parker County. She previously served as a social worker with several Tarrant County organizations. **Wes McDaniel** (‘78 BS, Electrical Engineering) operates Ideal Impact, a niche business that helps congregations and faith-based schools, nonprofits, and companies reduce their energy consumption and create a new revenue source. It’s the fourth energy efficiency company he has started since 1979.

1979

Linda P. Campbell (‘79 BA, English) received the Laurence “Lanny” Priddy Pursuit

of Justice Award from the Tarrant County Trial Lawyers Association for demonstrating a courageous pursuit of justice. Campbell is an editorial writer/columnist for the *Star-Telegram*. **Jack Nowicki** (‘79 MSSW) is program development specialist for the Texas Network of Youth Services in Austin. **Walter Ragsdale** (‘79 BS, Civil Engineering) served as interim public works director in Farmersville in the spring. In 2005 he retired as assistant director of development services for the city of Richardson and has since done interim work for several cities.

1980

Matt Angle (‘80 BA, Political Science) is a Democratic political consultant who serves as the director of the Texas Democratic Trust. He also founded the Lone Star Project, a federal political action committee. He is based in Washington, D.C. **Donna Bertram** (‘80 BSN), was honored as a Healthcare Hero by the *Fort Worth Business Press* after she received the Organizational Innovation Award for Nurse Executives in 2009. She is vice president and chief nursing officer of Texas Health Arlington Memorial Hospital. **Anne S. French** (‘80 BA, English) is a professional mediator and has written a book, *The Gift of Words*. **Rod Rooker** (‘80 BM) is band director at Barnett Junior High in Arlington. **Stefan Ateek** (‘81 MSSW) received the Christ-Like Leadership Award from Health Outreach to the Middle East in recognition of his contributions in enhancing the work of medical missions. He recently retired from the Tarrant County Juvenile Justice Department after 29 years.

1981

Pam Russell (‘81 MSSW) is one of five professionals appointed by Gov. Rick Perry to the Task Force to Reduce Child Abuse and Neglect, commissioned by the 81st Legislature. Russell is co-owner of Paris Counsel-

ing Center in Paris, Texas. Professor **Larry Tunnell** (‘81 BBA, Accounting; ‘83 MPACC) completed a three-year stint as head of the Accounting and Information Systems Department in the College of Business at New Mexico State University.

1982

Jim Fant (‘82 BBA, Accounting) is chief investment officer of Behringer Harvard Opportunity Advisors, which creates and manages global institutional-quality investment programs for individual and institutional investors through its real estate investment trusts, joint ventures, and proprietary program structures. He works out of the Addison office and has more than 25 years experience in commercial real estate. **Ricky D. Gibbs** (‘82 BA, Physical Education) has been promoted to brigadier general in the Army. He is in the 1st Infantry Division, stationed at Fort Riley, Kan. **Mel Maxfield** (‘82 BA, History and Physical Education) is head football coach at Amarillo High School. He spent the last eight years as head football coach at Burleson High School.

1983

J. Russell Killen (‘83 BS, Civil Engineering) is manager of the Fort Worth office of Halff Associates, a Texas-based firm that offers full-service engineering, architecture, planning, interior design, and landscape architecture. He is responsible for leading operations and expansion of the Fort Worth office through its civil engineering, water resources, transportation, land development, planning, environmental, and surveying services. He has been with Halff for 26 years. **Jim Pape** (‘83 BS, Mechanical Engineering) is president of the residential and commercial business group at SunPower Corp., a manufacturer of high-efficiency solar cells, solar panels, and solar systems in San Jose, Calif. Previously, he was vice president

and general manager at Trane Commercial Systems.

1984

Duane Ayers (‘84 BBA, Finance) is a consultant in the leasing and financial services industry. He previously was regional manager for Hitachi Capital America Corp. in Denver. Prior to that, he spent 22 years with General Motors Acceptance Corp. LLC in management and sales. **Katherine Ayers** (‘84 BBA, Accounting) is chief financial officer for the Cattlemen’s Beef Board in Centennial, Colo. Previously, she contracted as a consultant with the board to perform state beef council financial reviews and contractor compliance audits. **Bob Bullis** (‘84 BS, Architecture; ‘87 MArch) is director of t. howard + associates, an architecture, interior design, and planning firm based in Dallas. He helps lead THA’s strategic initiatives, business planning, and firm operations. **Singanallur “Nari” Narayanan** (‘84 MS, Computer Science) is a managing partner and the senior investment banker of Kuberon Capital LLC, a hedge fund in New York. Previously, he was managing director for Bear Stearns Asset Management and a managing director with Heckman Global Advisors. **Jim Greer** (‘84 BS, Electrical Engineering) is asset manager for Oncor’s Smart Grid technology initiative. He has worked for Oncor and its predecessor companies since 1984.

1985

Charles Lester (‘85 BA, Journalism) is principal at Little Elm High School in the Little Elm Independent School District. He previously taught in the Arlington Independent School District and served as an assistant principal at Arlington’s Sam Houston High School.

1986

Laura Dunn Nelson (‘86 BS, Microbiology) is industry relations manager for Alchemy, and

Austin-based firm dealing in training solutions for the food manufacturing and processing industry. Prior to joining Alchemy, she served as a senior account manager for Silliker, an internationally accredited provider of food safety and consulting services.

1987

Jim Krause (‘87 BBA, Accounting) was honored as Fort Worth’s top chief financial officer for a mid-sized business by the *Fort Worth Business Press*. He has helped Higginbotham & Associates redesign its capital structure and was instrumental in increasing the firm’s operating margins over the last few years.

1988

Scott A. Anderson (‘88 BGS, General Studies) is vice president of commercial lending at the north Arlington office for Southwest Securities, FSB. He previously was vice president, senior business banker, at Capital One Bank. **Holli Hall** (‘88 BBA, Marketing; ‘09 MEd, Curriculum and Instruction) is math instructional facilitator at Veda Knox Elementary School in Arlington. **Ken Millar** (‘88 PhD, Social Work Administration) has been named dean of the College of Health and Human Services at California State University, Long Beach.

1989

Daniel L. Akin (‘89 PhD, Humanities) is president of Southeastern Baptist Theological Seminary in Wake Forest, N.C. He has written several books and provided guidance to churches in North Carolina, Texas, Florida, Alabama, and Virginia. **Jonathan Beard** (‘89 MSSW) is a lecturer in the School of Social Work at the University of Washington. He teaches classes in advanced generalist practice and mental health policy. **Jennifer R. Gray** (‘89 MSN) was honored as a Healthcare Hero by the *Fort Worth Business Press* for her work in HIV and AIDS

research. Dr. Gray is associate dean for the Ph.D. program in UT Arlington’s College of Nursing. **Ed Louterback** (‘89 BS, Information Systems) is franchise owner of Pirtek, a hose and assembly company in Plano. Previously, he was an information technology consultant. **Carlos A. Rodriguez** (‘89 BA, Journalism) is opinion editor for *The Brownsville Herald*. **Dee Trussell** (‘89 BBA, Marketing) is director of business development at New York-based Spectrum Group Management, an investment firm focused on distressed, special situation, and asset-based credit markets.

1990

David Beuerlein (‘90 MS, Aerospace Engineering) is senior client partner for Korn/Ferry International, a global provider of talent management solutions based in Los Angeles with offices in Dallas. **Brian T. Rex** (‘90 BS, Architecture) is department head for a newly established architecture undergraduate and graduate program at South Dakota State University. He will develop curriculum and teach the first classes in fall 2010. **Sharraine Williams** (‘90 BA, Exercise and Sport Studies/Exercise Science) is the occupational therapist for the Terrell Independent School District, where she also serves as director of the Terrell High School Tigerettes drill team. **Gail Berlin** (‘91 MSSW) is a marketing/business development consultant helping hospitals attract direct patient referrals. She is based in Dallas.

1991

Sime Bertolet (‘91 BA, Radio TV; ‘04 MA, History) is executive director of the Berks County Historical Society in Reading, Pa. **Madeleine Gray** (‘91 BA, Spanish) is vice president of business technology delivery for US Airways in Phoenix, Ariz. She previously was senior director, air merchandising and core services, for Sabre Holdings Corp., based in Southlake.

Notable



TOM HARVEY

Harvey (‘73 BS, Architecture) was elected to the College of Fellows of the American Institute of Architects for contributions of national significance to the profession. He is managing principal of HKS Clinical Solutions & Research in Dallas and a 2009 UT Arlington Distinguished Alumnus.

ALYCE ASHCRAFT

Ashcraft (‘84 MSN) received the Texas Tech University Health Sciences Center President’s Excellence in Teaching Award and the Chancellor’s Council Distinguished Teaching Award. She is a professor in the Anita Thigpen Perry School of Nursing at the Texas Tech Health Sciences Center.

JEFF FERGUSON

Ferguson (‘95 MS, Interdisciplinary Studies) is head athletic trainer for the San Francisco 49ers. Previously, he was head athletic trainer at Kansas State University.



MIA HALL

Hall (‘05 MEd, Educational Administration) is principal at the Young Women’s Leadership Academy, the Fort Worth school district’s first all-girls school. She leads a group of about 15 sixth- and seventh-graders. The school emphasizes math, science, and leadership skills.

Class Notes

1992

Yee Gan ('92 BS, Computer Science Engineering) is vice president of engineering for Numerics Management Systems, which provides a suite of enterprise software tools tailored to system and semiconductor product-development organizations. He will oversee Numerics' development teams in Cupertino, Calif., and around the world. **Susan Nelson Jordan** ('92 BA, Political Science) has been elected to membership in the Fellows of the Texas Bar Foundation for her outstanding professional achievements and commitment to improving the justice system throughout Texas. Her law practice, Jordan Law PLLC, is in Austin. **Sheila J. Martin** ('92 MPA, Public and Urban Administration) was appointed city secretary for Seagoville.

Active Power. **Jay Thomas** ('93 BBA, Management-Production/Operation) is park president of Six Flags Magic Mountain and Hurricane Harbor in Valencia, Calif. He started as a ride operator in 1988 at Six Flags Over Texas and has worked at Six Flags parks in San Antonio, Atlanta, New Jersey, and Kentucky.

1994

Cindy Campbell ('94 MSN) is health science technology education teacher for the Joshua Independent School District. Previously, she worked as a registered nurse in Dallas, Fort Worth, and Japan. **Jeffrey Fulks** ('94 PhD, Social Work) is a professor at Evangel University in Springfield, Mo. **Tobin Griffeth** ('94 BA, Interdisciplinary Studies) helped start Operation Red River Care,

which includes \$10,000 cash. A professor of mathematics, she has been a faculty member at Marshall University since 2001 and sits on the university's Faculty Senate. She also has received several awards at Marshall for excellence in teaching, including the Charles E. Hedrick Outstanding Faculty Award.

1995

Angela Blackburn ('95 MSSW) uses her social work skills through her involvement in Girl Scouts and Boy Scouts in Santa Maria, Calif., where she lives with her husband, Dennis, and their four children.

1996

Carey P. Hendrickson ('96 MBA) is senior vice president and chief financial officer for Belo Corp. in Dallas. He had been the company's senior vice president and chief accounting officer since 2007. **Vasu Rangadass** ('96 PhD, Computer Science Engineering) is a principal with Net.Orange, a Dallas company that enables health care providers to more easily analyze, monitor, and act on information for better patient care and treatment.

1997

Michael Kuhrt ('97 MEdT) is superintendent for the Dayton (Texas) Independent School District. He was previously superintendent at Giddings ISD. **Sergio Tacconi** ('97 BS, Computer Science Engineering) is a senior software engineer for Paradigm Entertainment in Carrollton.

1998

Harout Akilian ('98 BS, Industrial Engineering) owns Artin's Grill at The Shops at Legacy in north Plano. **Stephanie McDuffie Bonebrake** ('98 BM) is circuit administrator for the North Texas Colorguard Association and band director at Cross Timbers Middle School in Mansfield. **Jeffrey Freeman** ('98 BM) is professor of low brass at the Amon A&M University. **Roland G.**

Fryer Jr. ('98 BA, Economics) ran a randomized experiment in hundreds of classrooms in multiple cities that paid 18,000 children a total of \$6.3 million for good grades. He and a team of researchers then analyzed the effects and shared the results exclusively with *Time* magazine. He is an economics professor at Harvard University. **Frances A. Smith** ('98 BA, History) has been hired as "Of Counsel" by the Dallas law firm of Shackelford, Melton & McKinley. She is president of the DFW Association of Bankruptcy Lawyers.

1999

Leilani Bonds ('99 BBA, Management) did her internship last spring as a special education teacher at Central High School in San Angelo. She worked in the health care industry for more than 10 years.

2000

Dana Davis ('00 MPA, Professional Accounting) and her husband, Adrian, participated in *The Amazing Race* on CBS-TV in February. **Laurie Chance Smith** ('00 MSSW) is a freelance writer/photographer. She creates word puzzles and writes short fiction, nonfiction, and poetry for magazines both nationally and internationally.

2001

Solomon Boyle ('01 BSW) is an attorney for the Social Security Administration, drafting decisions for judges. He previously practiced with the Texas Attorney General's Office. **Adam Sheehan** ('01 BBA, Marketing) is senior events manager for Funimation Entertainment based in Flower Mound. He sets up video screenings, autograph signings, and other activities for anime conventions.

2002

Michael Acuff ('02 MA, Interdisciplinary Studies) is a teaching fellow at the Amon Carter Museum in Fort Worth.

Minerva Hernandez Davis ('02 BM) performs with the Lone Star Wind Orchestra and teaches private music lessons in the Fort Worth-Dallas area. She also organized the LSWO Brass Quintet with members of the wind orchestra. **Shawn Dillon** ('02 BA, Philosophy) is director of strategic sales for First American Payment Systems in Fort Worth. Previously, he was manager of bank partnerships and corporate sales for First American.

Abhijit Kaisare ('02 MS, '07 PhD, Mechanical Engineering) is a senior design engineer with Anveshak Technology and Knowledge Solutions in Pune, India. **Carolyn Scott** ('02 MS, Health Care Administration) is vice president for performance, improvement, and quality in the Informatics Division at Premier Healthcare Alliance. **Pete Unseth** ('02 PhD, Linguistics) is an associate professor at the Graduate Institute of Linguistics in Dallas.

Lori Yates ('02 MSSW) started a drama therapy program for the criminally insane or those incompetent to stand trial at Western State Hospital in Washington state.

2003

Jennifer Burt ('03 BBA, Marketing) is assistant vice president of the business banking group in Fort Worth for Bank of Texas. **Kristin Ferguson** ('03 PhD, Social Work) is associate professor in the School of Social Work at the University of Southern California. She is funded to adapt a supported employment intervention for homeless youth with mental illness at two Los Angeles drop-in centers. **Jyotirmay Gadewadikar** ('03 MS, '07 PhD, Electrical Engineering) is an assistant professor in the Department of Advanced Technologies at Alcorn State University. He recently received a three-year, \$377,000 Early Career Faculty Scientific Leadership Award from the Department of Homeland Security.

2004

Robin Alex ('04 MS, Marketing Research) is a research manager for the Hershey Co. in Hershey, Pa. **Eric M. Baker** ('04 BM) is band director at Odessa College and performs with the Midland-Odessa Symphony Orchestra.

2005

Yoon Kyoung Grace Choe ('05 MA, TESOL) is an English teacher at In-Hwa Girls High School in Korea. **Alberto Herrera** ('05 MED, Educational Leadership and Policy Studies) is principal at Anson Jones Elementary School in Dallas. **Marsha Huie** ('05 BSN, '08 MSN, Nursing Administration) is a health care consultant at Dell Perot Systems in the Fort Worth-Dallas area. She has 20 years of bedside and nursing management skills in multiple areas and now works in information technology solutions. **Jack Lee** ('05 BM, '08 MM) is a music instructor at Hill College and band director for the Hillsboro Independent School District. **Robby Storey** ('05 BA, Psychology) played the lead role in the movie *Hold*, which premiered at the Dallas International Film Festival in April. **Jeffery Woodruff** ('05 BS, Mechanical Engineering) is a manufacturing engineer at Downhole Solutions in Conroe, Texas.

2006

Travis Eickenloff ('06 BBA, Management) has graduated from Army basic infantry training at Fort Benning in Columbus, Ga. **Chris Helms** ('06 MBA) is a business/management consultant for Helms Consulting in Denton. **James Daping Kuai** ('06 MS, Marketing Research) is vice president of marketing for Swiss Company CBC Consulting in its Beijing office. **Ryan Steffens** ('06 BBA, Marketing) is marketing manager for B&D Binder and Index in Arlington.

2007

Shannon Brunskill ('07 BFA, Art) won third place for her work "Things We Collect" in

e-merge 2010, an international kiln-formed glass competition for emerging artists. Her work was among more than 1,200 pieces submitted for admission in the sixth biennial competition. **Amanda Doak** ('07 BA, Philosophy) is a probation officer for Portage County in Ravenna, Ohio. **Jamie "Jazze" Goodspeed** ('07 BA, Communication) is the music review segment host for *D210 TV*, which debuted on the Time Warner Cable Texas Channel in June. She also is an on-air personality for 97.9 The Beat radio. **Wendy Meyer** ('07 MLA) had her 2007 master's thesis, "Persistence of Memory: Scent Gardens for Therapeutic Life Review in Communities for the Elderly," published this year in *Landscape Architecture News Digest*. **Frank Mosley** ('07 BA, English) premiered his feature film *Hold* at the Dallas International Film Festival in April. That same month the film was screened at the Kent International Film Festival in Kent, Conn. **Zeng Qiping** ('07 EMBA) is president of BGP International, a geophysical service company specializing in seismic surveys. Previously, he was senior vice president of BGP International and the regional manager of BGP Middle East. **Adriana Roberts** ('07 BA, Communication) is director of the Henderson Civic Center in Henderson, Texas. The 19,000-square-foot structure opened in February. **Nyadia Steward Thorpe** ('07 BM) teaches choir at H.W. Lang Middle School in Dallas. She also is rehearsal assistant with the Children's Chorus of Greater Dallas and music minister at Faithful Believers Baptist Church. **Megan Terrell** ('07 BBA, '09 MS, Accounting) is a senior audit associate at Sanford, Baumeister & Frazier, an accounting firm in Fort Worth. **Kristen Rogers Wisinger** ('07 MS, Marketing Research) is senior manager, quantitative services, for Market Diagnostics International in Dallas.

2008

Tabitha Boykin ('08 BA, Advertising) is a social media specialist for The Crouch Group, a full-service marketing and advertising agency in Denton. She helps clients create and maintain a comprehensive social media strategy as part of marketing and advertising programs. **Vijay Dixit** ('08 MS, Computer Science Engineering) is an engineer at Garmin Ltd. in Olathe, Kan. The company produces personal GPS-based navigation devices. **Boback Firoozbakht** ('08 BS, Architecture) interviewed former President Bill Clinton about the environment in a special Earth Day broadcast on "Digg Dialogg" on DiggTV. **Don Fougere** ('08 MA, Modern Languages) teaches French at Keller High School. He also does volunteer work for Bread of the World Ministries, where he is chief strategist. **Sonia Fuentes** ('08 BSW) received a bilingual scholarship from the Hogg Foundation and is a graduate student at Baylor University. **Salvador Gonzales** ('08 BBA, Operations Management) is a technician and inspector at Kinki Sharyo International, a design and manufacturing firm for public transit systems in Dallas. He is working on a project for DART to expand the rail line fleet. **Safwan Mahmud Khan** ('08 MS, Computer Science Engineering) is pursuing a doctoral degree at UT Dallas. **Chris McMurrugh** ('08 BS, Computer Science Engineering) helped lead a college student engineers robotic design challenge in April at the Gaylord Texan hotel in Grapevine. Sponsored by the Institute of Electrical and Electronics Engineers, the competition featured robots that recognize light signals. **Kern Railsback** ('08 MM) is choral director for the Athens Independent School District. He also sings in the Century Men choir and is the accompanist for Singing Men of East Texas. **Abanish Singh**

('08 PhD, Computer Science Engineering) is a postdoctoral fellow in the Goldstein Lab at the Duke University School of Medicine's Institute for Genome Science and Policy. **Tojinnay Thompson** ('08 BS, Exercise and Sport Studies) is assistant women's basketball coach at Texas A&M International University in Laredo. **Chris Aufdembrink** ('09 MA, TESOL) is an instructor in the English Language Institute at UT Arlington.

2009

Enrique Baez ('09 BS, Civil Engineering) is a resident engineer for the U.S. Army Corps of Engineers in Afghanistan. **Kim Danek** ('09 BBA, Accounting) is a tax associate at Sanford, Baumeister & Frazier, an accounting firm in Fort Worth. She assists with federal and state compliance and preparation of individual, partnership, and corporate tax filings. **Cecil Touchon** ('09 BFA, Art) displayed his art "The New Beautiful" at the William Campbell Contemporary Art show March 27-April 24 in Fort Worth. **Colleen Doyle** ('09 MS, Marketing Research) is a project director at RTI Market Research and Brand Strategy in Stamford, Conn. Previously, she was a strategic planner at Javelin Direct in Dallas. **Robert Martin** ('09 Principalship Certification, Educational Leadership and Policy Studies) is assistant principal at Everman Junior High School. **Kristin Meyer** ('09 MS, Marketing Research) is an associate project manager for DSS Research, a Fort Worth-based firm specializing in the marketing needs of health insurance organizations. **Marshall Pattie** ('09 PhD, Business Administration) was elected chair of the Augusta County Democratic Committee in Harrisonburg, Va., where he is an associate professor of management at James Madison University. **Vineeth Kolkari Sheety** ('09 MS, Electrical Engineering) is an iPhone wireless engineer at Apple.

Update

LEGACY SCHOLARSHIP

The Alumni Association has established the Alumni Legacy Scholarship for academically talented students who are relatives of UT Arlington graduates. Supported by the Official Maverick Ring program, the scholarship celebrates the family traditions of attending UT Arlington. For requirements and more information about the scholarship, visit www.uta.edu/alumni/scholarships.

HISPANIC ALUMNI

The Hispanic Alumni Chapter is encouraging Hispanic alumni to start their own alumni groups in large metropolitan areas like Houston, San Antonio, and Austin. In addition to its Facebook page, the chapter is exploring other social networking opportunities by introducing a monthly global Skype conference to digitally reconnect classmates over live voice phone. Contact Michael Vega at mvega@uta.edu or visit www.utahispanicalumni.org.



ARCHITECTURE ALUMNI

Topping Out 2010 was held last spring at Cowboys Stadium in Arlington. Dallas Cowboys owner Jerry Jones, left, received a special Vision Award from Ralph Hawkins ('71). Sponsored by the Architecture Alumni Chapter, the annual event benefits The Arc of Dallas and the UT Arlington School of Architecture.

START A CHAPTER?

For information on starting an alumni chapter, contact Jasmine Stewart at 817-272-2594, 800-687-8855, or alumnichapter@uta.edu. For a list of chapters, visit www.uta.edu/alumni/chapters.

DANA GIBSON

Gibson ('93 PhD, Business Administration) has been named president of Sam Houston State University. Previously, she was vice president for finance and operations at the Hunstville, Texas, campus. Prior to that, Dr. Gibson was president of National University in San Diego, Calif.

She previously was associated with the cities of Killeen, Dallas, and Plano.

1993

Mark Jackson ('93 BA, Journalism/Advertising) is president and chief executive officer of Vizion Interactive, a search engine optimization company headquartered in Dallas. **Marcia Mankoff** ('93 MSSW) is on the National Board for Foundations for Jewish Camps and the board of Planned Parenthood in Los Angeles. She lives in Beverly Hills with her husband, Doug, and their three children. **Karl Schuetze** ('93 MS, Mechanical Engineering) is vice president of engineering at Active Power, based in Austin. He previously was lead development engineer and manager of the mechanical systems group at

which sent boxes of donated goods from Texas to Afghanistan while he was stationed there in the Air Force. **Danielle Heard** ('94 BA, Journalism) is founder and executive director of Artemis in the City, a national holistic nutrition services company. She is a certified holistic health counselor and a certified natural whole foods chef as well as a health writer and educator. Artemis in the City provides holistic health and nutrition services that help people prevent and reverse disease through whole foods nutrition and lifestyle changes. **Kevin Hugman** ('94 MPA, Public and Urban Administration) is Wichita Falls assistant city manager. **Bonita Lawrence** ('94 PhD, Mathematical Science) won the Faculty Merit Foundation of West Virginia's Professor of the Year award. The honor

In Memoriam

1950s

Phillip Herman Stork ('51 AS), 78, Jan. 9 in Dublin, Ohio. Mr. Stork had several careers, but the two he enjoyed most were stockbroker and general contractor. Upon retirement, he participated in volunteer work, including serving as president of the Tarrant Area Food Bank and the Arlington Historical Society. He was honored by the United Way as Arlington's Volunteer of the Year in 1997. **Donald D. Martin** ('55 AS), 75, Jan. 24 in Camarillo, Calif. Mr. Martin retired in 1996 as quality assurance manager for Lockheed Martin after 37 years with the company. **James R. Lorenz** ('56 AS), 73, Jan. 8 in Sportsman's World, Possum Kingdom Lake. Mr. Lorenz worked 41 years in the oil and gas industry in the Fort Worth-Dallas area, serving independent oil and gas firms such as Texas Pacific Oil Co., the General American Oil Co. of Texas, and Rosewood Resources.

1970s

Gerald Gaston McCasland ('71 BSME), 73, Nov. 20, 2009, in Wills Point. Mr. McCasland was an engineer in the Command and Controls Division at Rockwell Collins in Richardson for 31 years. He worked on pioneering communication systems for aerospace projects, including Air Force One, the stealth bomber, and the space shuttle. He also held one of the early patents for the design of a consumer radar detector. He served eight years on the Richardson Independent School District Board of Trustees. **Susan Carol Davidson** ('77 BSN), 55, Nov. 9, 2009, in Galveston. Ms. Davidson was a registered nurse at the UT Medical Branch at Galveston. **Larry A. Robbins** ('78 BA), 53, Nov. 19, 2009, in Palo Alto, Calif. Mr. Robbins was an employee of Perot Systems.

1980s

Shirley Anne Meredith ('82 BA), 76, Feb. 15 in Arlington. Ms. Meredith was a perfor-

mance opera singer and also sang in the former Arlington Civic Chorus and in church choirs. She was active in tennis, serving as captain of several U.S. Tennis Association teams. **Pamela Anne Morgan** ('83 BBA), 55, Feb. 1 in Arlington. Ms. Morgan was a certified public accountant and owned her own business. **Sandra Fae Scott** ('83 BBA), 49, Feb. 18 in Burleson. Ms. Scott was a special education mathematics teacher at Western Hills High School in Fort Worth. **Timothy Wayne Head** ('85 BA), 44, Dec. 24, 2009, in Keller. Mr. Head graduated from umpire school and spent several years as a minor league baseball umpire and football referee. He worked for the Texas Department of Transportation and Smith Roberts Land Services, and he was a licensed real estate agent for VIP Properties. **Frances Lee McAtee** ('85 BA), 89, Feb. 6 in Lake Worth. At the age of 60, Ms. McAtee received her bachelor's degree in history and a teaching certificate. She retired after several years of teaching. During World War II she worked at Consolidated Aircraft. She was a beautiful and a skilled seamstress.

Randy Snow ('86 BBA), 50, Nov. 19, 2009, in El Salvador. Mr. Snow was a member of the wheelchair basketball team at UT Arlington in the early 1980s. He competed in three Summer Paralympics—in basketball, track, and tennis—winning medals in all three. He won 16 U.S. Open wheelchair tennis titles—six in singles, 10 in doubles. In 2004 he was the first Paralympian inducted into the Olympic Hall of Fame. He also was a motivational speaker and traveled around the world. **Thomas Charles Linton** ('89 BS), 51, Feb. 17 in Fort Worth. Mr. Linton was a landscape architect for the Harold Leidner Co. in Dallas for many years.

1990s

Stephen Michael Sanders ('96 BFA), 35, Nov. 9, 2009, in Sierra Madre, Calif. Mr. Sanders

was involved with the Union Rescue Mission in Los Angeles, volunteering and filming a documentary to get the word out about the mission's work. **Marcus Edward Worley** ('98 BS), 38, Nov. 13, 2009, in Grapevine. Mr. Worley worked at Risk Technologies in Mansfield. As a student, he worked in the Office of University Publications.

2000s

Tim Schickedanz ('07 BSN), 42, Sept. 30, 2009, in Fort Worth. In 2004 Mr. Schickedanz received the Cherokee Inspired Comfort Award, which recognizes health care professionals who have helped others through exceptional service, sacrifice, and innovation. He was an emergency room nurse.

Faculty and Staff

Bertie Wilcox Naylor Acker, 87, March 19 in Dallas. Dr. Acker was a professor emeritus of modern languages. In 1965 she joined the faculty of the Department of Foreign Languages and Linguistics at Arlington State College (now UT Arlington) as a professor of Spanish literature. She received several awards for her translation projects and retired from UT Arlington in 1990. **Pauline Welborn-Brown**, 61, Dec. 15, 2009, in Durham, N.C. Dr. Welborn-Brown was a member of the nursing faculty from 1989-97. Most recently she was an assistant professor of nursing at the University of North Carolina. She also held faculty positions in nursing schools at UT El Paso, the University of New Mexico, and Santa Fe Community College. **Timothy Brown**, 35, Jan. 19 in Mansfield. Mr. Brown was a media relations officer in the Office of University Communications. He previously was a reporter and editor for the Associated Press in Jackson, Miss. **Richard B. Ferrier**, 66, Aug. 4 in Irving. Mr. Ferrier was a professor of architecture at UT Arlington, where he taught from 1968-2010. He was associate dean from

1985-95 and was a registered architect, interior designer, and a fellow of the American Institute of Architects. His work is in the permanent drawing collections of the University of Houston, the American Institute of Architects National Archives in Washington, D.C., and the United States Library of Congress. **Marietta Alkire Goode**, 86, Sept. 26, 2009, in Arlington. Ms. Goode was a bookkeeper at the UT Arlington Bookstore from 1977 until retiring in 1990. She was a Red Cross volunteer for many years as a water safety instructor. **June James III**, 75, March 17 in Arlington. Dr. James was a faculty member and special assistant in the College of Education and Health Professions. He worked with future principals and superintendents and avidly attended career fairs to recruit students to UT Arlington. A former administrator at Southern University, he moved to Arlington in 1989 and became active in Mount Olive Baptist Church, where he helped found the Metro Christian Academy. He also was involved with the Arlington chapters of the NAACP and Alpha Phi Alpha fraternity. **Marian Millican**, 60, Jan. 13 in Fort Worth. Ms. Millican was an associate professor in the School of Architecture since 1996. She had a design studio, Millican & Co., in downtown Fort Worth and previously taught at Texas Christian University. **John E. Perkins Jr.**, 88, Dec. 21, 2009, in Arlington. Dr. Perkins was an associate professor of economics at Arlington State College (now UT Arlington) from 1957-65. He retired from Texas Christian University as a professor of economics after 24 years. **Donald F. Reaser**, 78, Dec. 29, 2009, in Waxahachie. Dr. Reaser was a professor emeritus of geology at UT Arlington, spending more than 40 years at the University before retiring in 2003. He continued to teach graduate courses until 2009. His classes featured field trips in Ellis County, where he had done extensive work.

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Past Boys Glee Club, circa 1920



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.*