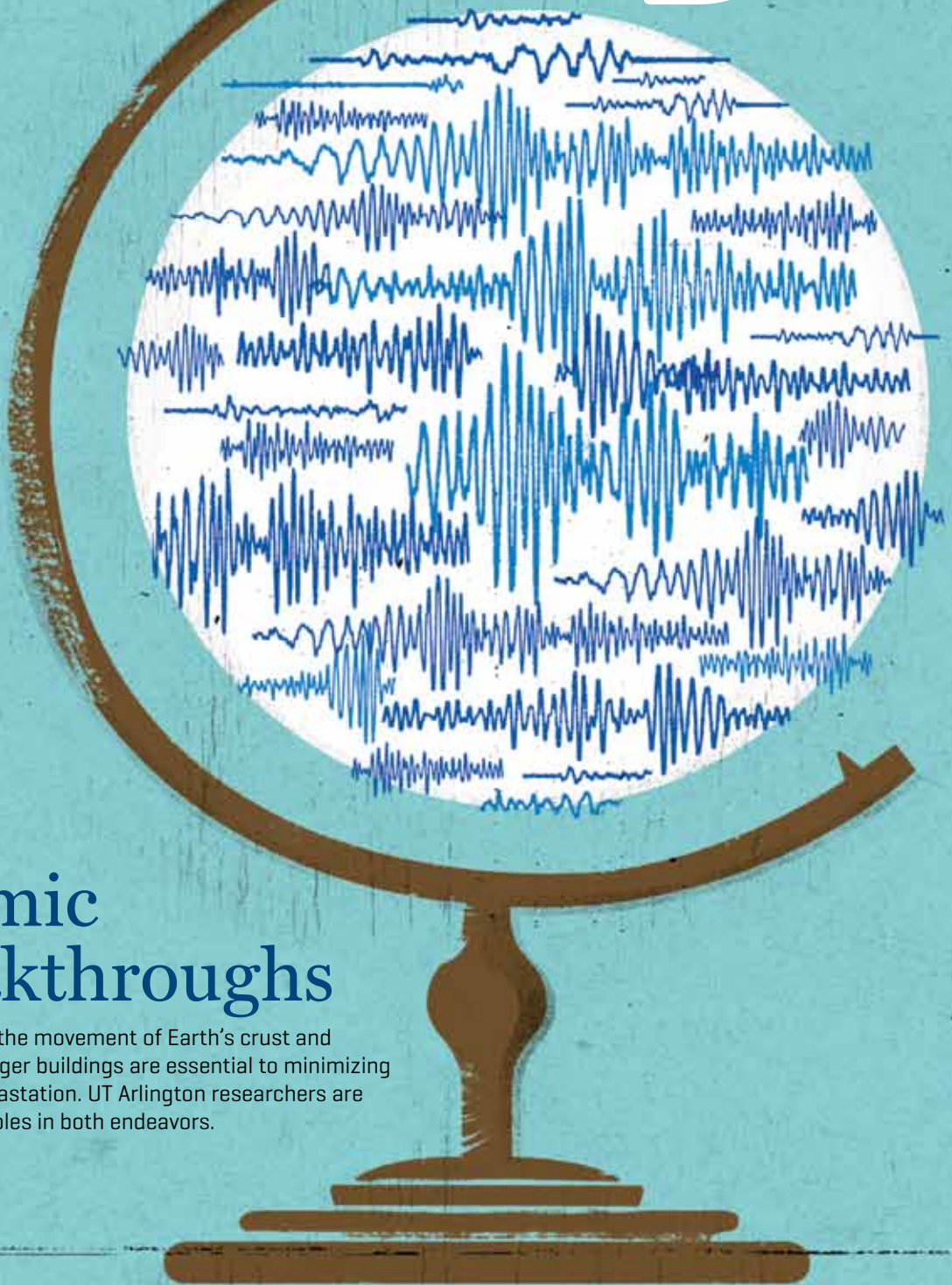
THE REST OF THE STORY Bet you didn't know Michelangelo was hiding on campus. Find out where and discover other little-known gems in our list of hidden campus treasures. p. 24

SOURCES OF INSPIRATION Three influential professors share moving stories about what motivates them to make the world a better place. p. 30

TECHNO MAVERICKS UT Arlington alumni are fueling advancements in social media, game development, online commerce, and other technology-driven fields. p. 34

UTArlington

THE UNIVERSITY OF TEXAS AT ARLINGTON MAGAZINE | FALL 2011



Seismic Breakthroughs

Understanding the movement of Earth's crust and designing stronger buildings are essential to minimizing earthquake devastation. UT Arlington researchers are playing major roles in both endeavors.

LIGHTING THE WAY
The glowing Gateway Tower at Cooper Street and UTA Boulevard welcomes motorists and pedestrians to campus. The structure stands more than 35 feet tall and incorporates materials and architectural themes featured in the emerging 20-acre College Park District and in the new Engineering Research Building adjacent to it.

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Message from the President

A Little Help from Our Friends

by James D. Spaniolo

This has been a remarkable year for philanthropy at UT Arlington.

Thanks to the generosity of our alumni and friends, as well as numerous corporations and foundations, we continue to set records in private support for the University. For the second year in a row, we have generated more than $15 million annually in private gifts and pledges. As a matter of fact, total giving for the past two years exceeds that of the previous five years *combined*.

That's a tremendous achievement for a public institution with a relatively young development program. It's also a trend we'd like to continue.

Our alumni increasingly are becoming more central to our fundraising efforts. Like never before, they are stepping forward and playing a pivotal role in providing the private funds necessary to help fuel UT Arlington's progress.

I'd like to share two examples of outstanding leadership gifts that alumni made in just the past few months. I think these gifts merit special attention, not just because of the dollar amounts but also because of the motivation and the passion of the individuals who made them.

Alan Petsche '80 and Bonnie Smith Petsche '86 recently committed $1 million in support of College Park Center. These dedicated alums credit the University for playing a significant role in enriching their lives and for spearheading the revitalization that's currently transforming downtown Arlington.

The University will recognize their gift by naming College Park Center's basketball court Petsche Court in their honor. Alan and Bonnie have always maintained close ties to the University, and Alan currently serves on our Development Board, the advisory group that helps generate and steward leadership gifts to the University.

Mike and Janet Greene have created an endowment in the College of Engineering totaling $1 million. Mike graduated in 1969 with a degree in mechanical engineering and recently retired after 46 years with Energy Future Holdings. The Greenes wanted to give back to the University and, at the same time, have their gift serve as an example for others. They established a $500,000 endowment that is being doubled through the Maverick Match, an innovative program that leverages endowment gifts with royalties from the University's natural gas resources.

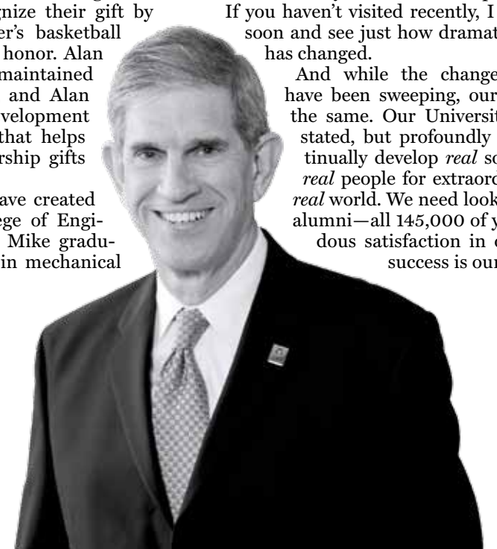
UT Arlington will recognize the Greenes' gift by naming the Engineering Research Building's new quadrangle the Janet and Mike Greene Research Quadrangle. Mike currently serves on the executive committee of our Development Board as well as on the College of Engineering Advisory Board.

We are thankful for the confidence that caring, giving people like the Petsches and the Greenes place in our institution. We applaud all of our alumni who are taking a fresh look at their alma mater and finding more and more reasons to be proud—and meaningful ways to express that pride.

It is no secret that UT Arlington has lofty aspirations and an ambitious agenda. We set our sights high and then raise them even higher with each passing day. That's how good universities become great. That's how great universities become top-tier institutions of higher learning. The support of our alumni and friends is more important than ever.

With the opening of College Park Center (visit www.utacollegepark.com) in February, we hope to see more of you back on campus—and more often. If you haven't visited recently, I invite you to return soon and see just how dramatically the University has changed.

And while the changes at UT Arlington have been sweeping, our core values remain the same. Our University's purpose—simply stated, but profoundly complex—is to continually develop *real* solutions and prepare *real* people for extraordinary success in the *real* world. We need look no further than our alumni—all 145,000 of you—to find tremendous satisfaction in our endeavors. Your success is our success.



As president of UT Arlington since 2004, James D. Spaniolo has overseen extraordinary growth in enrollment, research activity, and philanthropic giving.

UTArlington

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UTArlington Magazine is published three times a year by University Communications for all alumni, as well as for faculty, staff, and friends of the University.

ON THE COVER
Discoveries by UT Arlington civil engineers and geologists are improving our ability to understand and survive earthquakes.
Illustration by The Heads of State.

Email

BEAUTY AND BRAINS
I just wanted to let the staff know that I appreciate stories such as "Wired for Recovery" (summer 2011) on groundbreaking research that can have a significant impact in medicine and science. I work in the field of neuropsychology and often come across a variety of conditions such as dementia, traumatic brain injury, and learning disorders. It's great to see a story in my alumni magazine about research into understanding the etiology via brain imaging and testing as well as investigating rehabilitative options for these conditions. In addition, the magazine's layout is aesthetically pleasing and easy to read. There is an excellent mix of stories and personal accolades. I enjoyed the photo of the twin graduate students in their colorful Jalisco dresses from the spring 2011 issue and am glad to see there are still students performing folklórico on campus.

ANNA E. PINEDA OLVERA '05
Temple, Texas

A HOME RUN
I just received the summer 2011 edition of the magazine, and the staff hit it out of the ballpark on this one! Gorgeous, energized photos and a great variety of articles. I appreciate the way in which you highlight students, faculty, alumni, staff, and friends. It really showcases the way all of our "pieces" fit together and work toward our common goal. One of my alma maters has a superb publication, but I think *UTArlington Magazine* just surpassed it. Congratulations on such a wonderful snapshot of the groundbreaking work we're doing here at UT Arlington. It's a perfect testimony to our incredible progress and momentum.

KIMBERLY VAN NOORT
Arlington, Texas

IMPRESSIVE WORK
It was great to read about the impressive research program in "Wired for Recovery" (summer 2011). The work stresses the important requirement of interdisciplinary research into cognitive brain functions. I wonder if fMRI (functional magnetic resonance imaging) could somehow play a role in the project. That link would be interesting, if available. Dr. Hanli Liu is definitely an intelligent and industrious researcher with a strong background in medicine.

ZHONG Y. LIU
Ventura, Calif.

RIDING BACK IN TIME
I worked at Six Flags Over Texas in the summers of 1968, 1969, and 1970 as a ride operator, and I also graduated from UTA in 1980 after a long stretch of night school. Great article in the summer 2011 issue that brought back some good memories. I still have many friends in the area who are ex-Six Flags employees. I visited the UT Arlington Library exhibit with a friend who also worked at Six Flags. We especially enjoyed the pictures from the early years of the park in the 1960s.

BRIAN J. MURPHY '80
Arlington, Texas

PROGRESS REPORT
Thank you so much for the great *UTArlington Magazine* for summer 2011. I loved the articles and the layout. I hope that one of these days I can actually return and see the "new" UTA. It was a much smaller campus when I attended back in the late '80s.

MARY JANE CHISHOLM '89
San Antonio, Texas

YOUR THOUGHTS?
Send letters to the editor to utamagazine@uta.edu, or comment on magazine content at uta.edu/utamagazine.

YouTube

NEVER A DULL MOMENT IN MAVERICK COUNTRY
Each fall launches a new academic year, bringing renewed excitement for a fresh generation of Mavericks. UT Arlington hosts a series of events to put students on the path to success. Watch the "2011 Welcome Week" video at youtube.com/utarlingtonmavericks.

Flickr

EYE OF THE BEHOLDER
A long-abandoned house in West Dallas would seem an unlikely venue for an art exhibit. Not for art Visiting Assistant Professor Stephen Lapthisophon. In *Living Amongst Others*, Lapthisophon's students created an installation that raises the question of what art is. One piece includes a sheetless bed, a badly bent metal crib, and piles of clothes and trash. Another features photos of objects found throughout the house. Stapled underneath the photos in plastic baggies are the actual objects, which include Q-tips and a syringe. View a selection of images from the exhibit at flickr.com/groups/utamagazine.




Tweets

@CynthiaRedwine One of Meridian Solar's latest projects—UT Arlington solar installation. Sweet!

@nbcdfwscene He might not have his degree yet, but this UTA art student already owns his own Deep Ellum gallery.

@AmyTaylorTx So glad I contributed RT @ utarlington Fall enrollment at The University of Texas at Arlington has hit another record high.

@fwbusinesspress A University of Texas at Arlington professor has received a National Science Foundation grant related to a TB study.

@InlineLA The Gallery at UT Arlington celebrates 25th anniversary with retrospective exhibit.

@CiNTHiA_CHiKiiS At the Lonestar Auditorium for Craigslist's Craig Newmark lecture.

@utabusiness Students in our MBA are creating business plans for some U.S. Navy patents to move new technology into the market.

@PaulELAPabroad Headed to UT Arlington for study abroad fair. Who wants info on #volunteering abroad!?!

@zkmavz Just realized that today is my 1 year anniversary working at UTA - Go Mavs!

@ChrisGTurner Hispanic Heritage Month starts today! Celebrate with community events in your area like these sponsored @utarlington.

LET'S SOCIALIZE
Check us out online and on your favorite social media sites. We welcome your comments, posts, tweets, and photographs for possible inclusion in the next issue of *UTArlington Magazine*.

uta.edu/utamagazine
Enjoy an interactive experience and view Web-only content.

facebook.com/utamagazine
"Like" us and get updates in your newsfeed.

twitter.com/utarlington
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.

Facebook

JENNIFER FOX
On the music scene, Jennifer Fox is known as "the girl with the blue fiddle." The accounting senior plays the colorful instrument in her family's band, Fox Country, which includes her parents, Gary and Teri, and younger brother, Justin. A fiddler since age 3, Fox looks up to Martie Maguire of the Dixie Chicks. "The man who taught her taught me," she says proudly. The blue fiddle is a hand-me-down from her dad, a 1978 UT Arlington graduate. She uses the 45-minute drive from Waxahachie each day to think about her other job—Student Congress president. "I can see how easy it would be to not be involved on campus," she says of commuting. Instead, she joined Freshmen Leaders on Campus and has been actively involved ever since. "I want to let students know that Student Congress is here for them. I want to bring the student voice to the administration." After earning her bachelor's degree, Fox plans to pursue a master's in education with an emphasis on higher education. Her desire to work with students is so strong that she turned down an accounting job in Hawaii. But a music career would be harder to dismiss. "If I had the opportunity," she says, "I would jump at the chance."

CampusBuzz

UT ARLINGTON AND THE WORLD

"Tier One institutions have Tier One athletics programs and student-athletes who compete at the highest levels, both on and off the field."

Raising Our Game

Move to Western Athletic Conference coincides with College Park Center opening

It's a whole new ballgame for UT Arlington athletics. When the Maverick basketball and volleyball teams take the court in fall 2012, they'll be playing in a new conference and a new arena.

UT Arlington has accepted an invitation to join the Western Athletic Conference, a move expected to elevate the University's competitive sports programs and increase its national profile. UT Arlington becomes the 10th member of the WAC for the 2012-13 academic year, joining San Jose State University, New Mexico State University, and Utah State University, among other institutions.

WAC conference play will coincide with the first full basketball season at College Park Center, a 7,000-seat, split-bowl arena designed by Cowboys Stadium architect HKS. The events center is part of the 20-acre, mixed-use College Park District scheduled to open in late summer 2012.

"This is clear recognition of the growing prominence of UT Arlington and is consistent with our strategic initiative to become a major research university," President James D. Spaniolo says. "Tier One institutions have Tier One athletics programs and student-athletes who compete at the highest levels, both on and off the field."

WAC Commissioner Karl Benson says UT Arlington brings geographic balance and increased media exposure to the conference, plus top-level academics. The conference also includes UT San Antonio, Texas State University, the University of Denver, the University of Idaho, Seattle University, and Louisiana Tech University for 2012-13. Benson would like to add two more schools and create two, six-team divisions.

"The addition of UT Arlington places the WAC in another top-20 media market with the recent additions of Seattle and Denver," he says. "Access to the Dallas-Fort Worth region will help the WAC secure more lucrative television rights fees in the future, a benefit for all of our member institutions."

All of UT Arlington's 14 Division I intercollegiate sports will compete in the new conference. Pete Carlon, the University's athletics director, says the move from the Southland Conference to the WAC ushers in a new era of Maverick athletics.

"This gives UT Arlington instant recognition across the country," he says, noting that the WAC is one of 11 elite conferences in NCAA Division I athletics. "It moves us from regional athletics competition to a truly national stage."

Players on the volleyball team and the women's and men's basketball teams stand on the soon-to-be-completed College Park Center court where they'll compete next season as members of the Western Athletic Conference.

Emmitt Smith, Maverick Speaker **Talk**

You recently spoke on campus about "A Championship Vision." What does that mean?
It's seeing where you really want to go and developing a plan on how you want to get there. You always have to have a plan to achieve your vision. I wanted to play pro football, and that's been achieved; now I'm working on the plan to make sure the rest of my life happens the way I want it to.

What have you been doing since retiring from the NFL?
I started a real estate company back in 2005 called Smith-Cypress Partners. And since 2008 I've had my own commercial real estate company called ESmith Legacy. I also started a construction company that handles a lot of civil work. The Pat and Emmitt Smith Charities organization we founded has also played a major role since retiring.

Talk about your new book, *Game On*.
It's more than just a book about football; it's about my life. Sometimes people look at professional athletes and see people who have never struggled. But I try to let them know that we're no different than anyone else. We've had to deal with obstacles along the way.

Why was it important to finish your college degree?
I spend a lot of time speaking to young people, and I think it's important to stay in school. I felt it was very important for my message that I had my degree in my hand. I was eager to go get it and be the first in my family to graduate with a four-year college degree.

Have you ever thought about getting a master's degree? How about coming to UT Arlington for that?
Over the last six years, I've learned a lot from the people in this city, and I'm learning more every day. Right now I'm learning the most from running my businesses. I don't have plans to get another degree, but if I did, then sure, I'd consider UT Arlington to make that happen.

What kind of synergies might develop between the Cowboys and UT Arlington?
The proximity to the stadium gives UT Arlington the opportunity to create a strategic partnership with the Cowboys. Students can get internships, work experience, volunteer experience, or just go and gain knowledge. It's great to marry the two together and create some kind of educational experience.

What's more difficult—the NFL or the business world?
The business world to me, because I have to deal with the question of "what does he know about real estate and construction and running a business?" Football was a part of my life, but it wasn't my whole life. I'm having to prove myself more now.

Which championship means more—the Super Bowl or *Dancing with the Stars*?
I appreciate both of them. *Dancing with the Stars* allowed people to see and recognize me out of a helmet. Football was where my talents were, and the Super Bowl was the best game ever to play in. But on *Dancing with the Stars*, I was the underdog, and to come out as the champion felt good after all the work we put in.

Do you still dance?
Yes, I do. In fact, I have a dance lesson today.

Awards

J.-C. CHIAO
The Metroplex Technology Business Council named electrical engineering Professor J.-C. Chiao a 2011 Tech Titan in the Technology Innovator category. Dr. Chiao, a Jenkins Garrett Professor, was honored for developing wireless miniature gastrostimulators that help treat gastroparesis in patients battling diabetes, cancer, and obesity.

CINDY TROWBRIDGE
Kinesiology Associate Professor Cindy Trowbridge received the National Athletic Trainers' Association's Athletic Trainer Service Award. Dr. Trowbridge, who coordinates UT Arlington's Athletic Training Education Program, studies the biomechanics of injury prevention.

JOHN BUCKWALTER
John Buckwalter, associate dean for research and graduate studies in the College of Education and Health Professions, was named an American Council on Education fellow for the 2011-12 academic year. One of 50 educators selected in the national competition, Dr. Buckwalter is serving his fellowship at Texas Christian University.

BETH MANCINI
The National League for Nursing's Academy of Nursing Education inducted College of Nursing Associate Dean Beth Mancini as a fellow this fall at the organization's 2011 Education Summit. The academy fosters excellence in nursing education by recognizing and capitalizing on the wisdom of outstanding nurse educators.

NEW ENGINEERING DEAN TAKES REINS IN JANUARY

Jean-Pierre Bardet looks forward to working with UT Arlington faculty, staff, students, and alumni to achieve great things. The chair of the Sonny Astani Department of Civil and Environmental Engineering at the University of Southern California takes over as dean of the College of Engineering in January. Dr. Bardet studied engineering at Ecole Centrale in Lyon, France, and earned his master's and doctoral degrees from the California Institute of Technology. A member of the USC faculty since 1983, he chaired the Civil and Environmental Engineering Department for five years, seeing its enrollment double over that span. During his tenure at USC, he was instrumental in attracting major philanthropic support. "We welcome Dr. Bardet to UT Arlington and know that his professional accomplishments and his enthusiasm for education and innovation will help propel the University's drive to become a major, national research institution," President James D. Spaniolo says. Bardet's diverse professional interests include civil infrastructure systems, earthquake research, geomechanics, and synthetic track surfaces for horse racing. Most recently, he founded USC's multidisciplinary Center on Megacities, which helps prepare and sustain the world's largest cities. "Dr. Bardet brings the College of Engineering and the University national and international recognition," says Ron Elsenbaumer, provost and vice president for academic affairs. "As a scientist, he has made major advances in the field of earthquake engineering. As an administrator, he is a proven progressive and innovative leader." Bill Carroll stepped down this fall as dean and plans to rejoin the computer science and engineering faculty next year.

ENTERING GREEN PARKING

To accommodate a growing student population, UT Arlington recently opened a new parking garage with 1,100 spaces. The structure is within College Park, a mixed-use facility set to open by summer 2012 that includes a residence hall, apartments, and retail space. The garage features safety components like video cameras and emergency call boxes, as well as green technology such as a free, public charging station for electric vehicles and upper-deck solar panels. The panels eventually will form the largest carport-style photovoltaic energy system in Texas, expected to generate enough energy to offset 30 percent of the energy use at College Park.

Proven Leader

Ron Elsenbaumer begins provost duties after spurring advances as research vice president

UT Arlington embarked on a new era in academic leadership this fall as Ron Elsenbaumer became provost and vice president for academic affairs. Most recently he was the University's vice president for research and federal relations.

Dr. Elsenbaumer has played a significant role in strengthening UT Arlington's research profile, particularly in science, engineering, biotechnology, and nanotechnology.

"He fully understands the totality of the University," President James D. Spaniolo says. "We could not ask for a more dedicated, more skillful leader to help guide UT Arlington as it becomes a major national research institution."

As provost, Elsenbaumer is the University's chief academic officer, overseeing all colleges, schools, research, and academic programs. He succeeds Donald Bobbitt, who became president of the University of Arkansas System in October.

An educator for more than 30 years, Elsenbaumer's research interests include electrically conductive polymers, mechanistic organic and polymer chemistry, and environmentally friendly lubricant additives. He has authored or co-authored more than 100 publications, holds 42 U.S. patents, and has secured millions of dollars in external research funding.

He earned his undergraduate degree in chemistry from Purdue University and his doctorate in chemistry from Stanford University. He worked in the private sector for Allied-Signal, a major industrial company, before joining UT Arlington in 1991 as chair and director of the Materials Science and Engineering Department.

Elsenbaumer previously served as interim provost, chair of the Chemistry and Biochemistry Department, and director of the Nanotechnology Research and Teaching Facility. A full professor since 1991, he holds a dual appointment in the College of Science and the College of Engineering.

Introduction to Middle East Politics **Crash Course**

POLS 3328
Tweets and texts earlier this year caused political science Assistant Professor Brent Sasley to change the course syllabus. Introduction to Middle East Politics now includes 2011's political uprisings and revolutions known as the Arab Spring. "People who study the region closely said something would happen. The regimes, the governments, couldn't hold on," Dr. Sasley says. "When the economy was OK, the people could tolerate it. But a large number of young people are without jobs. These young people are better informed, they knew their rights, and they knew how to organize." Sasley calls the events part of a communications revolution. Social networking has been cited for the instantaneous information during the uprisings. "People were not secretly plotting. Mostly, it was spontaneous, a groundswell bubbling up." Cultural differences and misconceptions make it hard for many Americans to understand how Middle East politics differs from politics in the West. "We have this idea that if we just keep talking, we can solve the problem," Sasley says. "That just doesn't happen in the Middle East."

Grants

VASSILIS ATHITSOS
The National Science Foundation has awarded two grants to computer science engineering Assistant Professor Vassilis Athitsos to develop a computer recognition system that eventually will yield a visual, online American Sign Language dictionary. Dr. Athitsos has secured more than $1.15 million for research on gesture recognition since joining UT Arlington in 2007.

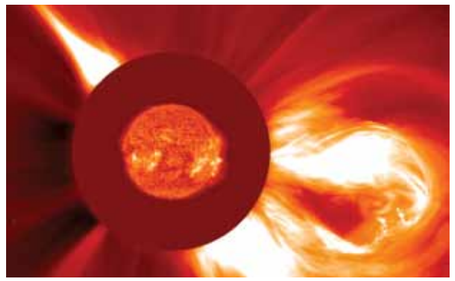
PABLO MORA
Psychology Assistant Professor Pablo Mora received a grant from the Austin-based Hogg Foundation for Mental Health to examine how Latinos' cultural views affect their decision to seek mental health services and contribute to mental health disparities.

GEORGE ALEXANDRAKIS
Bioengineering Assistant Professor George Alexandrakis is part of a multi-institutional team of researchers who received a $7.5 million grant from the Cancer Prevention Research Institute of Texas. The team, lead by Professor David Chen of UT Southwestern Medical Center at Dallas, will study how radiation-induced DNA damage makes cancer cells resistant to therapy.

JIAN YANG
Bioengineering Associate Professor Jian Yang received a $1.25 million National Institutes of Health/National Institute of Biomedical Imaging and Bioengineering grant to create biodegradable photoluminescent polymers that can detect cancer in early stages.

SENSORS HELP SOLDIERS DETECT COMBAT THREATS

A UT Arlington engineer hopes to soon give soldiers X-ray vision. Sort of. Qilian Liang, professor of electrical engineering, has won two Department of Defense grants to develop a radar sensor network that will help soldiers detect potential threats on the battlefield that are obscured by walls or foliage. Current technology doesn't link radar sensors in a network or allow for shared information in real time. In contrast, Dr. Liang's system will provide troops with a web of information about large swaths of land, such as urban areas or shorelines. For example, the network could tell soldiers about an entire building, rather than just the area within line of sight. "In an urban setting, manmade structures or foliage favor hidden threats because the soldier has a limited sensing capability," Liang says. "We want to help those soldiers identify what it is they're seeing through the network in the field. It's very important they know who and where the threats are." The sensor network research could be adapted for domestic use as well. Liang envisions the system being used as a scanning device in airports or at large-scale public events—think Super Bowl—to identify potential threats or find concealed weapons. Jonathan Bredow, chair of the Department of Electrical Engineering, says Liang's funding and publication records demonstrate that he is among the top international researchers in the emerging area of radar sensor networks. "His breakthrough work will enable totally new ways of assessing and responding to security threats in complex environments, which are often of high impact and the most vulnerable," Bredow says. "This will be a major boost to UT Arlington's top-tier research mission."



STORMY STARS **Want to know the weather in space? UT Arlington physicists can help. The University is one of 11 members of the Center for Integrated Space Weather Modeling (CISM). "Space weather is becoming increasingly important to our technological and space-based civilization," says physics professor and CISM co-investigator Ramon Lopez. "The ability to predict space weather events will soon be as important as the ability to predict hurricanes." Space weather occurs when the energy released by the sun in solar flares and storms produces enormous changes in the near-Earth space environment. Earth's magnetosphere protects from most of these, but what passes through could still have disastrous effects on electrical grids, GPS, and other technology. Scientists at CISM hope that giving the operators of these systems warning of an impending disruption could minimize damage and cost.**

Battling Bacteria

Microbiologist Julian Hurdle explores treatment to combat common hospital-acquired infection

Every year nearly a quarter of a million patients acquire infections during their hospital stays. Tens of thousands of the patients don't survive.

Julian Hurdle, an assistant professor of biology, hopes to decrease those numbers. The microbiologist was awarded $1.9 million from the National Institutes of Health National Center for Complementary and Alternative Medicine to develop a treatment for one of the most widespread hospital infections.

Dr. Hurdle plans to study the effect of reutericyclin compounds on the bacterium *Clostridium difficile*. *C. difficile* is the leading cause of diarrhea in elderly hospital and nursing home patients and also affects cancer patients and others with compromised immune systems. The bacterium is responsible for more than 500,000 cases each year and 15,000-20,000 deaths.

"*C. difficile* infections have become more widespread and difficult to treat over the past 10 years, with high rates of relapse," says Hurdle, who joined the College of Science in 2010. "With only a few drugs available to treat it, there is a great clinical need and a market opportunity in developing treatments."

His co-investigator on the project is Richard Lee, a medicinal chemist and faculty member at St. Jude Children's Research Hospital in Memphis, Tenn.

Hurdle and Lee will use the five-year grant to improve the effectiveness of their reutericyclin compounds and explore how they work against *C. difficile*. They believe reutericyclin is unique because it attacks the membrane of the *C. difficile* cells, killing them by affecting multiple cellular processes that the bacteria need to survive.

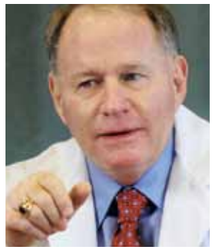
The researchers also think that reutericyclins could be used to coat the surface of biomedical implants to prevent contamination of those devices with bacteria such as MRSA and *Staphylococcus epidermidis*. These bacteria cause persistent infections and are often responsible for the failure of several commonly used implants.

COLLEEN FITZGERALD
Linguistics Professor Colleen Fitzgerald is waking up native American languages on the brink of extinction. The Department of Linguistics and TESOL chair helps Native American tribes in Oklahoma bring their languages back to common use. "We work with tribal members to breathe new life into the languages," she says. "They aren't dead; they are sleeping." Oklahoma is home to 39 indigenous languages, and two of Dr. Fitzgerald's projects document and revitalize the languages for the next generation. In May 2012 she and Mary Linn at the University of Oklahoma will run the Oklahoma Breath of Life Workshop for communities whose languages have no fluent first-language speakers. Fitzgerald and her students also assist the Chickasaw nation, which has only 80 fluent speakers. Documentation supports the Chickasaw Language Revitalization Program, and her funding includes a grant from the National Science Foundation. Fitzgerald collaborates with language teachers and program directors as well as with tribal elders and assures them that her projects are long term and not for profit. "For many Native American communities, language is from the creator," she says. "It is sacred."

Press

HARRY STEPHANOU
Harry Stephanou, director of UT Arlington's Automation and Robotics Research Institute, appeared live on the popular "Big I" segment of CNN Newsroom. He discussed microrobot research that could help law enforcement and the military with surveillance, crowd control, and intelligence gathering.

ALEXA SMITH-OSBORNE AND HANLI LIU
Two professors' research to help veterans overcome the difficulties of returning to college was featured in a *New York Times* story. Social work Assistant Professor Alexa Smith-Osborne and bioengineering Professor Hanli Liu are focusing on veterans suffering from post-traumatic stress disorder and traumatic brain injury.



ROBERT GATCHEL
Psychology Professor Robert Gatchel was quoted at fitnessmagazine.com about mental strategies for coping with workout pain. "Stress and anxiety in particular lower your threshold," he said, "so minor pain feels more intense than it normally would."

DAVID SILVA
A *USA Today* article about using words that build credibility featured David Silva, linguistics professor and vice provost for academic affairs. The story examined how employees sometimes seek co-workers' approval by tagging questions onto the end of their sentences.

Giving Spirit

Two gifts totaling $1.75 million will name the court and a plaza at rising College Park Center

College Park Center, the 7,000-seat events venue set to open on campus early next year, received a big boost this fall when the families of two distinguished business leaders committed $1.75 million to support the project.

Alan Petsche '80 and his wife, Bonnie Smith Petsche '86, have committed $1 million to College Park Center. The University will name the basketball court Petsche Court in their honor. Graduates of the College of Business, the Petsches met at UT Arlington and cherish the friendships they formed during college.

"Everything I've done in life somehow relates back to UT Arlington," Alan says. "I love the idea of the entire College Park District and that this new center will be at my alma mater."

The Petsches are joined by Moritz family members, namesakes of Moritz Dealerships, who have committed $750,000 to establish Moritz Plaza at the northwest corner of South Pecan and East Second streets. The plaza will serve as the main entrance to College Park Center and connect the venue to the College Park mixed-use retail and residential development spanning three blocks to the north.

John David Moritz, president of Moritz Dealerships, says his family was motivated to support the University as they have watched the emerging College Park District help transform central Arlington and the downtown business district.

The Petsches' commitment is the second-largest gift for the $78 million events center. UT Arlington previously announced a $5 million commitment from Houston-based Carrizo Oil & Gas. The University anticipates that it will soon meet its goal of raising $10 million in private support for the project.

College Park Center will be the home court for the Maverick basketball and volleyball teams and provide a landmark venue for world-class concerts, speakers, commencement exercises, and other high-profile events.

NASA ASKS PROFESSOR TO BUILD MACHINE FOR MARS

A UT Arlington chemist is developing tools that may help answer one of the galaxy's greatest questions: Is there life on Mars? NASA awarded Purnendu "Sandy" Dasgupta a nearly $1.2 million grant to create an ion chromatograph that can test the chemical composition of the soil. Past missions to Mars have been limited by technology that used ion-selective electrodes to probe for specific materials. An ion chromatograph separates and detects ions, enabling it to look at a broad suite of the molecules sensitively and identify them with some reliability. "By creating an easily portable and robustly designed ion chromatograph, we're hoping to rapidly expand scientists' knowledge of extraterrestrial geology and geochemistry," says Dr. Dasgupta, the Jenkins Garrett Professor of Chemistry and Biochemistry. "The Phoenix lander indicated in 2008 that perchlorate is present in large amounts in Martian soil, but it was only an inference. We should be able to prove this." Perchlorate is a naturally occurring chemical that can produce oxygen and create energy, so its presence on Mars could benefit human exploration. "With this machine, we should be able to test for organic ions in Martian soil. This could be a first step to identifying organic compounds, the building blocks of life." Dasgupta plans to use low-pressure, open tubular columns in his chromatograph, making it uniquely designed for storage in the sub-freezing temperatures of space when not in use. The columns typically used for ion chromatography are packed with polymer or silica beads and filled with an aqueous solution. The beads cannot withstand such freeze-thaw cycles. As a first step in the four-year project, Dasgupta and his collaborators will build a lightweight system for Earth-based exploration, then test it in the challenging environment of the Atacama Desert in Chile. The research team also includes W. Andrew Jackson, associate professor of civil and environmental engineering at Texas Tech University; Samuel Kounaves, a professor at Tufts University; and Christopher McKay, a research scientist at NASA's Ames Research Center in Moffett, Calif.

CLASS OF THE CLASSROOM **English Professor Stacy Alaimo is one of nine UT Arlington faculty members to receive the 2011 UT System Regents' Outstanding Teaching Award. The honor recognizes professors at UT System institutions who demonstrate extraordinary classroom performance and innovation at the undergraduate level. Other UT Arlington recipients are Monica Ramirez Basco, formerly of the Department of Psychology; Bill Corley, industrial and manufacturing systems engineering professor; Lee Ann Frederick, biology lecturer; Don Granvold, social work professor; Douglas Grisaffe, marketing assistant professor; Ken Roemer, English professor; and Laura Kopchick and Peggy Kulesz, English senior lecturers.**

Battlefield DNA Sensors, 2040 Future

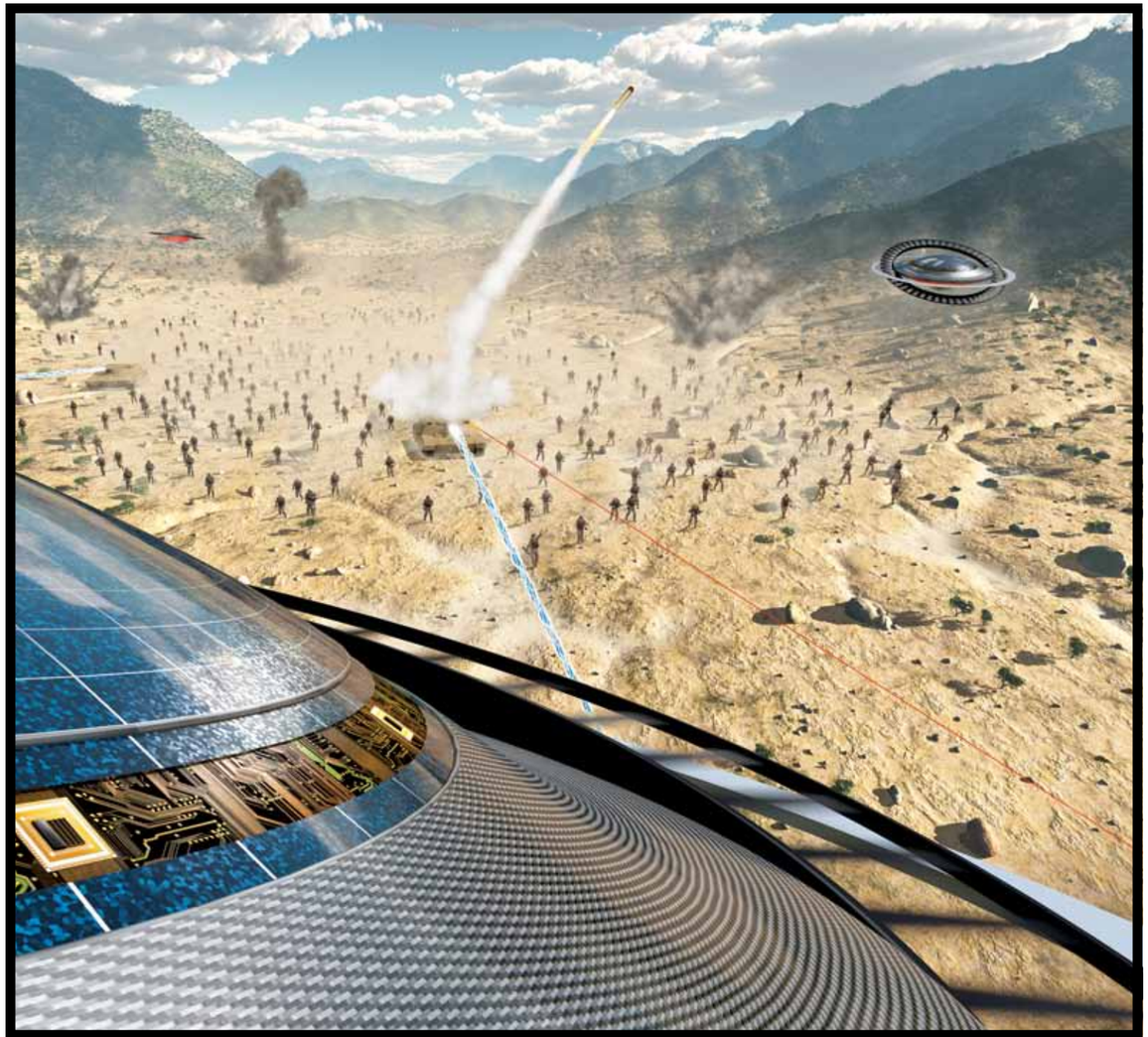


ILLUSTRATION BY STEPHEN DURKE

A soldier returning from the battlefield is unknowingly carrying a contaminant. But sensors embedded on a small electronic chip detect the harmful matter, alerting personnel to treat the soldier, potentially saving his life and avoiding harm to fellow troops. Such a scene could play out. Materials science and engineering Associate Professor Seong Jin Koh leads a team at work on tiny sensors that could detect the smallest DNA molecules of harmful biological species. "If some foreign agent has been put on a soldier, this sensor could detect it," he says. "It could even be used in the battlefield to see what's in that environment. It also could be used to test food supplies in the field." Most existing DNA detection techniques are time-consuming, expensive, and not sensitive enough to indicate extremely low concentrations of DNA molecules. Funded by a National Science Foundation grant, Dr. Koh's system is more efficient. "The sensor output is a simple electrical signal, and the sensors reside on a small silicon chip, allowing cost-effective fabrication and ease of use," he says. "This technology could lead to many beneficial applications." Like detecting gene mutations that would signal the early stages of cancer or enabling investigators to link perpetrators to a crime scene with the smallest of blood samples. "We know our concept is working. If it can be implemented, there are many immediate benefits for many companies and our society."

Gallery Life and Death in the Northern Pass

DOMINIC BRACCO II '08
With the right kindling, one idea can set the world on fire. This concept motivates photojournalist Dominic Bracco II. The former *Shorthorn* photographer has documented the horrors of Mexico's drug war through images of violence and its aftermath, as well as grieving families and tender scenes of day-to-day urban life. "I feel I have an obligation to produce work that will hopefully educate and evoke change," he says. "There is a reality that every time I begin working, I am in danger. Sometimes I find myself thinking it's not worth it, but then I am reminded constantly that it is." Bracco's photos are at the heart of a free exhibit, *Life and Death in the Northern Pass*, which runs through Jan. 14, 2012, in the Central Library's sixth floor parlor. He also lectured as part of the College of Liberal Arts' Festival of Ideas, an annual series of events that focuses on cultural and intellectual issues. "I have been working to step back a bit from traditional distribution models for photography," he says. "An exhibition at a college campus in an event like the Festival of Ideas allows for the kind of environment that will stir discussion in ways that a few pictures in a newspaper could not."

Food for Thought

Ice cream entrepreneurs Ben Cohen and Jerry Greenfield highlight Maverick Speakers Series

The fourth season of UT Arlington's marquee lectures, the Maverick Speakers Series, continues in November with the men behind one of the most talked about and least conventional success stories in American business.

Ben Cohen and Jerry Greenfield, founders of Ben & Jerry's Homemade, will speak Nov. 17 about how they built a storefront venture into a $300 million ice cream empire by harnessing the power of social responsibility and creative management.

Dallas Cowboys legend and NFL Hall-of-Famer Emmitt Smith (see p. 7) kicked off the 2011-12 series in October by discussing "A Championship Vision." Smith, the NFL's all-time leading rusher, is the majority partner and co-chairman of ESmith Legacy, a Dallas-based commercial real estate company.

The spring 2012 semester will showcase CNN anchor Soledad O'Brien on "Diversity in America," oceanographer Robert Ballard on "Adventures in Deep Sea Exploration," and former Florida Gov. Jeb Bush on "Achieving Excellence in Education."

Since joining CNN in 2003, O'Brien has reported breaking news from around the globe and produced critically acclaimed documentaries on some of the world's most compelling topics, including education, diversity, the Royal Wedding, economics, and natural disasters.

A deep sea explorer, Ballard has made startling discoveries in recent years, including finding the wreckage of the Titanic in 1985. He has led or participated in more than 65 underwater expeditions, written 16 books, and is the pioneer of the JASON Project, which enables schoolchildren to explore the oceans virtually.

Bush closes the season with the first lecture in the new 7,000-seat College Park Center. He is the son of President George H.W. Bush and brother of President George W. Bush. In his two terms as Florida governor (1998-2007), Jeb Bush worked to improve Florida's education system, protect its environment, and boost its economy. An advocate for charter schools, vouchers, and standardized testing, he heads the Foundation for Excellence in Education, which he started in 2007.

New this year for any Maverick Speakers Series lecture is a Premium Seating package featuring a front-of-house seat, reserved parking near the venue, and front-of-line access to book signings (participating speakers only). Premium Seating packages are $25 and available at utatickets.com. As in the past, free general admission tickets also may be obtained at the website.

Upcoming Maverick Speakers Series Lectures
Ben Cohen and Jerry Greenfield, ice cream entrepreneurs
Nov. 17, 2011 – 7:30 p.m., Texas Hall

Soledad O'Brien, CNN anchor
Feb. 7, 2012 – 7:30 p.m., Texas Hall

Robert Ballard, deep sea explorer
March 6, 2012 – 7:30 p.m., Texas Hall

Jeb Bush, former Florida governor
March 23, 2012 – 7:30 p.m., College Park Center

NEW RESIDENCE HALL TO HONOR FORMER MAYOR

When it came time to pick a name for the residence hall under construction in the College Park District, the choice was easy. Scheduled to open in August 2012, Tom J. Vandergriff Hall will pay homage to one of the most influential figures in UT Arlington history. The former Arlington mayor, congressman, and Tarrant County judge died Dec. 30, 2010, at age 84. He played a pivotal role in transforming Arlington State College from a two-year institution into the four-year research university that UT Arlington is today. As mayor from 1951 to 1977, Vandergriff helped secure the land necessary for ASC to expand to its current 400-acre footprint. He then lobbied Texas lawmakers to approve a bill granting four-year institution status. In later years, he helped move ASC from the Texas A&M System to the UT System and also championed legislation that created UT Arlington's Institute of Urban Studies, now part of the School of Urban and Public Affairs. Vandergriff even served as the announcer at football games from the 1950s until the program was disbanded in 1985. The 500-bed residence hall will be part of College Park, Arlington's first mixed-use, residential and retail center. The project includes apartments to house another 100 students and street-level retail space just north of College Park Center, the new 7,000-seat events venue nearing completion.

Numbers

33,449
Fall enrollment reached another record high as 33,449 students made UT Arlington their university of choice. About 27 percent of first-time, full-time freshmen ranked in the top 10 percent of their high school class, and 70 percent ranked in the top quarter.

3,733
The spring 2011 graduating class was the University's largest, as 3,733 Mavericks crossed the Texas Hall stage. The class was 20 percent larger than last spring's previous high mark, with 2,600 students receiving undergraduate degrees and 1,133 earning master's or doctoral degrees.

210
UT Arlington has signed an agreement allowing the College of Business to receive 210 patents from the U.S. Navy. Students enrolled in the MBA Professional Cohort this fall are crafting business plans for the most marketable patents with a goal of commercializing the technology.

8,500
From June through August, more than 8,500 children and young adults participated in summer camps on the UT Arlington campus.

41,000
A record 41,000 stargazers visited The Planetarium at UT Arlington in 2010-11. Public attendance jumped 117 percent to nearly 18,000. The state-of-the-art facility also educated and entertained more than 23,000 area schoolchildren, an all-time high.

Service

BETTER BLOCK
Students in architecture Assistant Professor Wanda Dye's graduate design studio won a 72-hour Build a Better Boulevard challenge for designing a pocket park on a vacant lot in Dallas. The students coordinated with food vendors, organizations, and volunteers in creating an urban layout as well as building 35 benches and tables and a 50-foot by 60-foot shade structure, all with reclaimed materials. The Better Block project sought ideas for designing safer, more livable streets.

ALUSINE JALLOH
History Associate Professor Alusine Jalloh helped establish a Department of Social Work at Fourah Bay College in Sierra Leone. It is the country's first social work department and will offer bachelor's, master's, and doctoral degrees. A Sierra Leone native, Dr. Jalloh directs UT Arlington's Africa Program.

SERVICE LEARNING
According to the Carnegie Foundation for the Advancement of Teaching, more than 6,200 UT Arlington students took 134 service learning courses last year. The courses combine conventional academic instruction with participation in community service projects.

STUDENT VOLUNTEERS
UT Arlington students annually volunteer more than 400,000 hours in the community, benefiting a range of agencies and organizations. Student service has played a key part in the University's selection to the President's Higher Education Community Service Honor Roll for four consecutive years.

LICENSING AGREEMENT TAPS FUEL OF THE FUTURE

One of the University's brightest ideas should soon yield real-world results. UT Arlington recently signed a licensing agreement with 1st Resource Group to commercialize a conversion unit that transforms natural gas from the field into clean-burning synthetic fuels. Designed by University researchers, the portable unit can be easily moved from one gas well to the next. 1st Resource President and CEO Douglas McKinnon says his firm approached UT Arlington to determine if such a product could be developed. "The researchers proved it was possible," he says. "This process starts to solve the rising transportation costs we all face." 1st Resource plans to deploy the units in domestic and international gas fields to yield synthetic jet fuels and diesel. The application is expected to be particularly useful in stranded gas fields, on sites where natural gas must be vented or flared, and during times when it is not economically viable to move gas to a pipeline. Gary Fewell, the company's chief operations officer, says the portability of the system makes it attractive. "When you have a rancher sitting on a natural gas well and that gas can be converted to an energy source like jet fuel, he's suddenly sitting on a gold mine." Fewell believes the cost savings in transporting the jet fuel could be substantial, as the conversion happens at the natural gas well site and doesn't require additional refining steps like oil does. For UT Arlington President James D. Spaniolo, the licensing agreement represents an important achievement in the University's relationship with business and industry. "This advancement demonstrates how university research can respond to market demands," he says.

BREATHING EASIER **If the air seems a little clearer on the UT Arlington campus, your eyes—and nose—aren't deceiving you. On Aug. 1 the University became tobacco free. Following almost two years of campus-wide discussion and planning, the University instituted the policy, which prohibits the use of tobacco products anywhere on campus, including outdoors. "The use of tobacco is a serious issue that affects the health and well-being of our entire University community," President James D. Spaniolo says. "UT Arlington is taking an active and positive step toward creating a healthier environment for our students, faculty, staff, and visitors." For those wanting to quit using tobacco, the University offers a series of free cessation education courses.**

Follow the LEED

Engineering Research Building earns gold certification for sustainable designs

It's not just the scholars inside the new Engineering Research Building who are working to make the world better. The building itself is helping out. The 234,000-square-foot facility, which opened in early 2011, earned LEED Gold certification from the U.S. Green Building Council for its incorporation of sustainable building practices.

"The building's environmentally sensitive design and energy-saving features are fitting complements to the cutting-edge science and engineering research taking place inside," UT Arlington President James D. Spaniolo says.

The U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) green building certification is the foremost program for the design, construction, and operation of green buildings. Launched in March 2000, LEED provides building owners and operators with a framework for identifying and implementing sustainable practices.

In granting the certification, the Green Building Council cited the facility's numerous energy-saving features, such as occupancy sensors, reduced exterior lighting power, shading devices, multiple green and light-reflecting roofs, and windows designed to make efficient use of available light. It also pointed to the building's water efficiency, with low-flow water fixtures in the sinks and restrooms as well as rain and condensate water capture for landscaping and irrigation. Moreover, about 28 percent of the building materials came from recycled products.

John Hall, vice president for administration and campus operations, views the LEED Gold certification as a milestone in campus development at UT Arlington.

"The lessons learned during this project provide a foundation from which we will shape other projects, including College Park Center," he says.

Journey of Hope **Community**

CARLOS SAAVEDRA
A college sophomore volunteers for a cross-country bike ride averaging 50-100 miles per day, and he's not even a cyclist. Life lessons and camaraderie ensue. This summer blockbuster starred Carlos Saavedra, but the story played out on America's roadways instead of the silver screen. Now a junior criminal justice major, Saavedra became the fourth Pi Kappa Phi member from UT Arlington to complete the Journey of Hope ride benefiting people with disabilities. The 20-year-old from Chicago raised more than $5,000 for PUSH America, the fraternity's charitable organization/foundation. A year ago, Mo Adwalla told his fraternity brothers that his 2010 ride was the best summer he ever had. "I had a hard time believing it," says Saavedra, who ran more than he cycled to get in shape. "My training was the first two weeks" on the road. The route from San Francisco to Washington, D.C., came through Arlington on July 15. The 28 cyclists played the Movin' Mavs wheelchair basketball team, one of many "friendship visits" that Saavedra says reminded the riders of their fundraising goals. "It really was the best summer of my life."

Sports Men's Basketball

LAMARCUS REED III
Not many NCAA basketball players enter their final season with a college diploma in hand. But LaMarcus Reed III will do just that when he takes the court this fall after completing his bachelor's degree in finance in 3½ years. That Reed, a forward and the Mavericks' leading scorer last season, finished early can be traced to his grandfather. "From an early age, my grandpa stressed education and discipline and respect. Those were the three rules in our family. He kind of scared those rules into me since I was 5 years old." Reed has made a name for himself as a hard worker who gets vocal if necessary but prefers to lead by example. Part of that includes excelling in the classroom. He's now working on a second bachelor's degree, in economics. On the court, he still has a sour taste from how the 2010-11 season ended. The Mavericks needed a win over UT San Antonio on the final day of the regular season to advance to the Southland Conference Tournament but lost 68-63. "That UTSA game still doesn't sit well with me," Reed says. "I don't want to have a feeling like that again. This is my last chance, and I don't want to end my career like that." Web extra: Watch a video at uta.edu/utamagazine.

Impressive, eh?

Mavericks set to begin final season in SLC after dominating five-game swing through Canada

The men's basketball team breezed through its summer exhibition tour of Canada, winning all five games by an average of nearly 50 points and each game by at least 44. Now the Mavericks turn their attention to winning a league championship in their final season before they leave the Southland Conference for the Western Athletic Conference.

The performance of first-year players Kevin Butler and Jorge Redmon was particularly encouraging for sixth-year coach Scott Cross. Butler, a transfer from TCU, averaged 15.7 points and 7.7 rebounds on the Canada swing while playing fewer than 20 minutes per game. Redmon, a junior college transfer, scored 13 points per game while shooting 61 percent from the field, including 63 percent on three-pointers.

Perhaps more important, Cross saw significant improvement in the play of point guards Redmon, Shaquille White-Miller, and Cameron Catlett.

"It seems like our assist-to-turnover ratio woes from last year have been rectified," Cross says. "A big part of that is having three point guards who are all playing significant minutes, and playing two of them at a time really helps in that area."

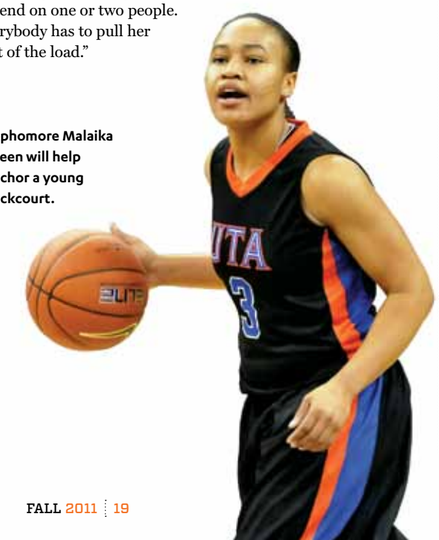
Ironically, the upgraded point guard play came as the Mavericks emphasized an up-tempo style to increase fast breaks and apply pressure to the Canadian teams' defenses. Cross expects to carry that style into the regular season.

The point guards weren't alone in benefiting from the faster tempo. Cross half-joked that LaMarcus Reed III had more fast-break opportunities in five games than he did the entire 2010-11 season. Reed, a senior, finished as the team's leading scorer with 17.2 points per game while also averaging 5.6 rebounds. On defense, the Mavericks used a suffocating man-to-man to hold three of their five opponents to 60 or fewer points.

UT Arlington begins its home schedule Nov. 14 in Texas Hall against East Texas Baptist and finishes Feb. 29 against Texas A&M Corpus Christi in the new College Park Center.

DEFENSE IS THE KEY FOR YOUTHFUL WOMEN'S TEAM

Taking stock of her team entering its farewell season in the Southland Conference, Samantha Morrow sees just that. A team. "We don't have any superstars," says Morrow, who's in her fifth season as women's basketball coach. "But I feel like we're going to be very deep." The freshman class is led by 5-foot-11 guard Eboni Watkins (San Antonio Wagner), who suffered a torn ACL in the state high school tournament but hopes to return by Christmas. Krioni Bruce, a 5-9 forward from Mesquite, and 5-8 guard Chauntandra Williams from Lufkin are also in the fold. Briana Walker, a 6-foot forward, returns as a sophomore after a strong freshman campaign that featured several double-digit scoring and rebounding games. Juniors Sabreena DeNure and Kiara Parker and sophomores Michelle Rodriguez and Malaika Green will anchor the backcourt. Sophomore forward Desherra Nwanguma also has made strides. Despite a roster that doesn't have a senior, Morrow likes the upside. "If everything goes as planned, Briana Walker should become a recognizable name, and I think potentially Kiara Parker is going to be very good for us." Morrow is counting on DeNure and Green to run the point and drive the lane. But the team's identity will be built on its ability to protect the basket. "They know that's what I love," Morrow says. "If they want to play, they are going to have to play some defense." A challenging nonconference schedule includes games at Arkansas, Oklahoma State, and Texas Tech. Visit utamavs.com for the schedule. "We realize that we have to play more as a team this year," she says. "We need to be more cohesive and not depend on one or two people. Everybody has to pull her part of the load."



Sophomore Malaika Green will help anchor a young backcourt.

Champs

SCHOLAR-ATHLETES
More than 80 UT Arlington student-athletes made the Southland Conference Commissioner's Spring Academic Honor Roll. To be selected, students must maintain a minimum 3.0 GPA. Among the 86 Mavericks receiving the honor were baseball senior Jesse Payne and track and field senior Brittany Culbertson. Payne, an English major, was named UT Arlington Male Scholar-Athlete, while Culbertson, a kinesiology major, was named Female Scholar-Athlete.

HUNTER PENCE
Former outfielder Hunter Pence played in his second Major League All-Star Game last summer. The Houston Astros traded him to the Philadelphia Phillies in July.

TRACK ALL-AMERICANS
Seven members of the men's track and field team earned second-team All-America honors at the 2011 NCAA Outdoor Championships. Cordero Gray capped a stellar career as a second-teamer in the 100 meters, where he was joined by freshman Clayton Vaughn. The others were senior Juan Lewis and sophomore Andrew Pettis (4x100-meter relay), junior Isiah Clements (high jump), freshman Jeff Rodriguez (pole vault), and sophomore Romain Martin (decathlon).

DAIANA NEGREANU
Former women's tennis standout Daiana Negreanu is now competing as a professional on the WTA Tour. The 2011 Southland Conference Player of the Year finished her UT Arlington career with more than 50 singles victories.

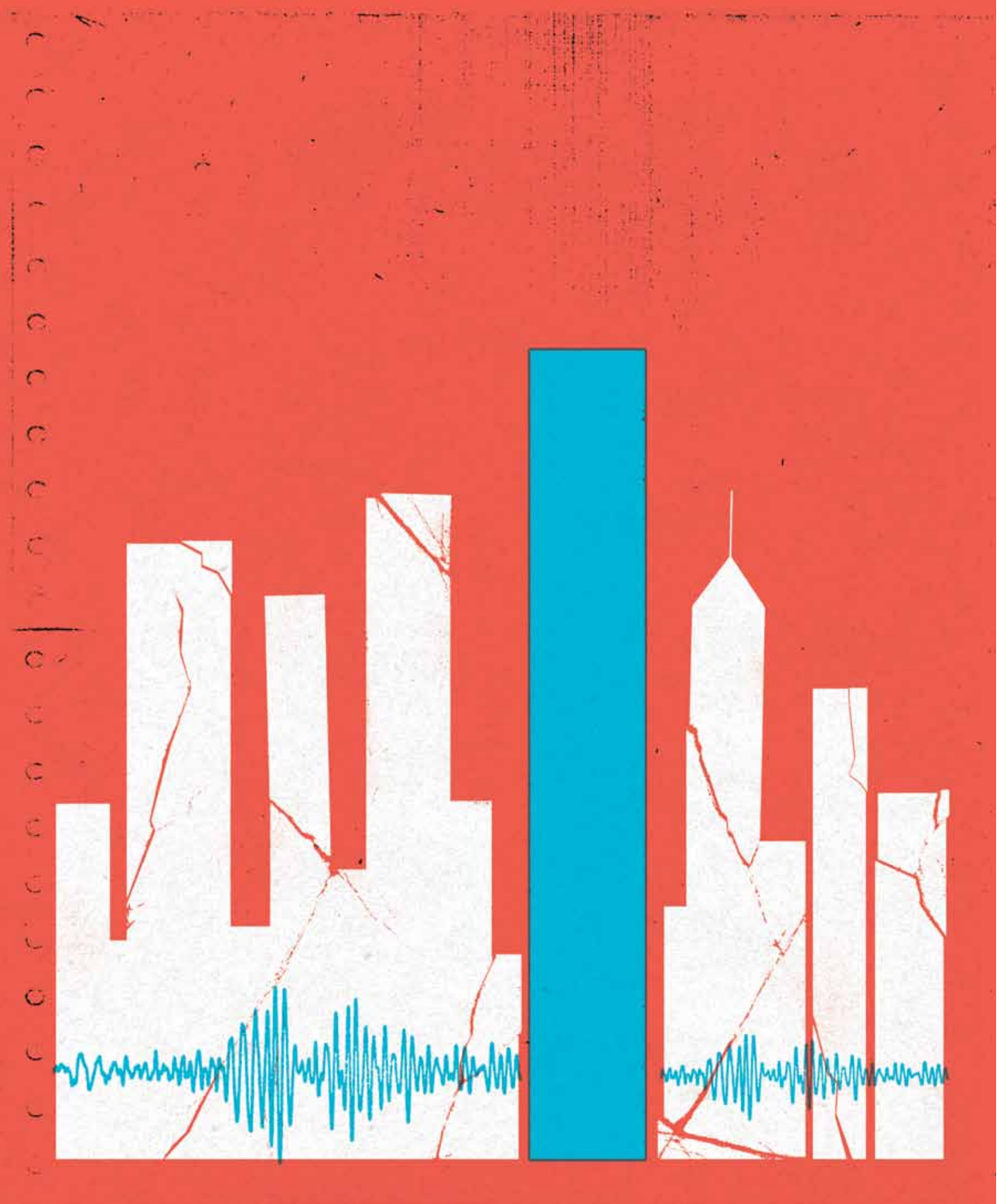


ILLUSTRATION BY THE HEADS OF STATE

Earthquakes can't be stopped or predicted, but they can be understood. Research by UT Arlington scientists and engineers shows promise in mitigating the types of disasters that recently devastated Japan and Haiti. BY DAVID HOUSE

Building to Survive Earth's Killer Crust

On a pleasant March afternoon earlier this year, Paul Hayashi and his dog were taking one of their twice-daily strolls along red brick footpaths in a picturesque neighborhood park in Katori, Chiba Prefecture, Japan. Dr. Hayashi, an economics professor emeritus who retired in 2002 after 35 years at UT Arlington, returned to his native Japan in 2004 with his wife.

That little park is a haven of serenity undisturbed by Tokyo's massive Narita International Airport nearby and the crush of a population exceeding 30 million in Greater Tokyo on the island of Honshu. But at 2:46 p.m. March 11, 2011, as Hayashi and his dog ambled toward a rose garden, the land suddenly pitched and rolled in violent undulations that lasted about 10 seconds. They had to sit down on the heaving ground.

"I could not stand still," he says.

Hayashi instantly recognized an earthquake. He grew up with quakes and aftershocks. Japan annually endures 1,500 quakes of varying intensity, the seismic consequence of Earth's colossal, unpredictable tectonic mess.

Like an eggshell broken into jagged pieces, Earth's crust comprises 15 major slabs of rock 50-250 miles thick. These tectonic plates float in all directions at up to 20 centimeters a year, colliding with and sideswiping and overlapping each other. In time, their stressed boundaries can rupture, releasing pent-up energy.

On March 11 off Honshu's northeast coast, extraordinary stress had built up in a fault where the vast Pacific plate slides beneath the North American plate and Japan itself, according to a United States Geological Survey (USGS) analysis. In an instant, the fault fractured, thrusting up into the sea 130 feet along an area 190 miles long and creating a monster—the fifth-largest earthquake in recorded history.

"I could not believe I was experiencing an earthquake of that magnitude," Hayashi says. "It was frightening. When I returned home, my wife and I talked about how bad the earthquake was. Our dogs were so frightened that they refused to go to their room."

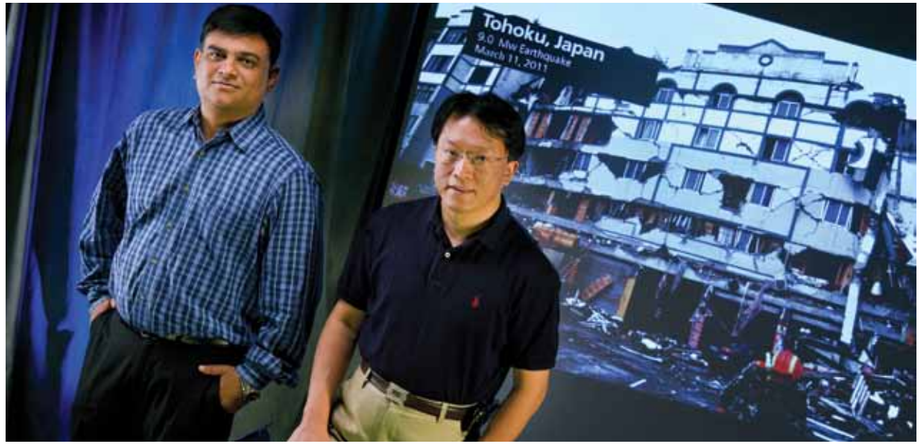
The Hayashis soon learned that the epicenter of a magnitude 9.0 quake was just 231 miles northeast of Tokyo, where observers described high-rise buildings swaying like trees in the wind.

Worse, a massive quake-spawned tsunami breached seawalls at the Fukushima Daiichi nuclear power plant 150 miles north of Tokyo. Inundated, the plant lost power, which led to a meltdown in three of its six reactors. The tsunami washed away tens of thousands of structures and virtually everything in its path—factories, shipping operations, transportation systems—along hundreds of miles of coastline and for miles inland.

The twin disaster left 25,000 people dead or missing and an official estimate of at least $259 billion in damage. A catastrophic blow to life and commerce, including the auto and high-tech industries, it left Japan's economy reeling.

MINIMIZING THE DESTRUCTION

There's no stopping or predicting such events. But a detailed understanding of plate tectonics and related matters is emerging that can help anticipate them. Meanwhile, earthquake-focused research explores construction materials and techniques that should vastly improve the ability to withstand a quake's violent impact. Four UT Arlington faculty members are immersed in these labors.



DAMAGE CONTROL
Anand Puppala, left, and Simon Chao collaborate on projects to help buildings withstand violent shaking.

Professor Pamela Jansma, dean of the College of Science, specializes in neo-tectonics, examining the movement of Earth's crust to find ways of predicting earthquakes. Her husband, earth and environmental sciences Professor Glen Mattioli, uses satellite and terrestrial geodetic techniques to study earthquake- and volcanic-induced ground deformation.

Shih-Ho "Simon" Chao, assistant professor in the Department of Civil Engineering, concentrates on developing designs and construction materials to better withstand violent shaking. A native of seismically active Taiwan, Dr. Chao was inspired to pursue his Ph.D. after experiencing a 7.7 quake in Taiwan in 1999 that irreparably damaged 10,000 buildings, killed 3,000 people, and left more than 100,000 homeless.

He sometimes partners with soil expert Anand Puppala, a distinguished teaching professor of civil engineering. With two grants, including one from the National Science Foundation Major Research Instrumentation program, Dr. Puppala is researching how expansive soils are tested and how to simulate earthquake loading on unsaturated soils. Findings could lead to improved construction practices.

He also collaborates with Associate Professor Laureano Hoyos on developing a triaxial testing tool to measure soils' reaction to seismic-type dynamic loading in different moistures.

All work with a sense of urgency, well aware of the worldwide toll in death, destruction, and economic loss. Last year alone, the USGS recorded 21,541 quakes that killed 226,729 people—the deadliest year since 2004. This year's Great East Japan Earthquake drew intense interest from the UT Arlington faculty members.

Chao notes that limited damage in Tokyo reflected how Japan's earthquake experience has led to highly advanced building codes and engineering. California, riddled with geological faults, needs more materials and innovative engineering like Japan's in preparation for "the big one" that's expected at any time, he says.

Chao is principal investigator for an engineering team that, with a $1 million, three-year NSF grant, is researching the earthquake resistance of reinforced concrete buildings and how they react in extreme conditions, issues about which "there are many unknowns."

"New technologies, design methods, and materials could minimize the losses in life and property."

Much of the research is under way at the University of Minnesota's Multi-Axial Subassemblage Testing Laboratory, where the effects of an earthquake can be simulated. There, researchers can shake reinforced concrete beams until they collapse.

The work examines a building's survivability when high-performance steel fibers replace most conventional rebar in concrete. In related work with a $600,000 NSF grant, Chao is looking for designs in steel trusses that will make them practical for buildings constructed in earthquake-prone locales. He hopes to provide engineers, architects, and others in related industries with new approaches to the seismic design of structures.

"New technologies, design methods, and materials could minimize the losses in life and property," he says.

MAXIMIZING SURVIVABILITY

That's an essential step toward society's ability to survive earthquakes, Mattioli says. "It's not the ground shaking that kills people. It's the falling objects" as buildings, bridges, dams, and other structures collapse.

"Surviving earthquakes is related to vulnerability and is largely a socioeconomic/political issue. But since most of the world's population lives very close to major convergent or strike-slip boundaries capable of generating magnitude 8.0 events, and most of the world's population is poor, the exposure to earthquake hazard is increasing and therefore so is the risk."

That sketches conditions in much of the Caribbean, where Drs. Mattioli and Jansma have long focused their research. Their urgency increased after the 7.0 earthquake that rocked Haiti in January 2010.

That temblor, the worst in the area in 200 years, devastated the western hemisphere's poorest country and its capital, Port-au-Prince, which was 10 miles from the epicenter in an area where the vast Caribbean and North America plates meet. Collapsing structures, often built as cheaply as possible, caused many of the estimated 230,000 deaths, the displacement of 1.5 million people, and an estimated $8 billion in damage.

Much of downtown Port-au-Prince was reduced to rubble. Structures slid down deforested hillsides, crashing into and atop each other. An estimated 380,000 children were orphaned. Mattioli arrived in Haiti by Jan. 28 to gather data with a team of researchers from other universities.

"The devastation and human suffering were staggering," he says.

The team blogged daily about its work and the quake's aftermath. "There is no way to properly describe the level of destruction and havoc," the researchers wrote. "It will be months before this city and many of those who perished will be dug out."

As with Mattioli, Jansma was deeply saddened, but not surprised. She and her collaborators have worked in the northeastern Caribbean on active tectonics and seismic hazard for 20 years. "Hearing about the Haiti earthquake really hit home. I knew immediately that the devastation would be significant and traumatic."

Just a year earlier, she, Mattioli, and a group of Purdue University scientists published a paper warning that Haiti faced the imminent threat of a strong earthquake. Another major event is likely, she says.

They collaborated with researchers at other universities to determine what triggered the Jan. 12 quake. Studying years of data, the scientists found strong evidence of the cause: the rupture of the previously unmapped Léogâne fault. Their resulting paper was published in the journal *Nature Geoscience*.

"What has become very apparent as a consequence of Japan and Haiti," Jansma says, "is the increased risk that hazards present as the world's population grows and that increased understanding and monitoring of hazards is essential to mitigate those increased risks."

A huge step forward involves refining the satellite-driven global positioning system, which transformed the field of neo-tectonics. From space, "we can now measure movements of Earth's surface on the order of a few millimeters," Jansma says. "This allows us to understand deformation processes at a level that was not previously possible."

WHAT'S AT FAULT?
Pamela Jansma and Glen Mattioli found strong evidence that a previously unmapped fault caused the January 2010 earthquake in Haiti.

A significant advance in such capability is the Continuously Operating Caribbean GPS Natural Hazards Observational Network (COCONet), which creates a link of global positioning stations for the international geoscience community. Data is transmitted to an archive at Boulder, Colo.-based UNAVCO, a university consortium funded by the NSF and NASA.

Mattioli is a key player in shaping COCONet's circum-Caribbean operation. He believes its prospects are excellent, noting Japanese scientists' success with the 600-site GPS in their country. The system's data helped project an 8.0 quake where the March 11 magnitude 9.0 quake occurred.

A major challenge is that preparation for such events, particularly in the construction industry, is far from perfect. Survivability can't be assured. But as earth scientists and engineers press forward, they strengthen the ability to contend with seismic forces.

"It's not the ground shaking that kills people. It's the falling objects."

For Hayashi and all who are vulnerable to quakes, life goes on. He still takes his dog, Fluffy, on daily walks through the park, where damage was minimal. The rose garden is still there, and the red brick footpaths.

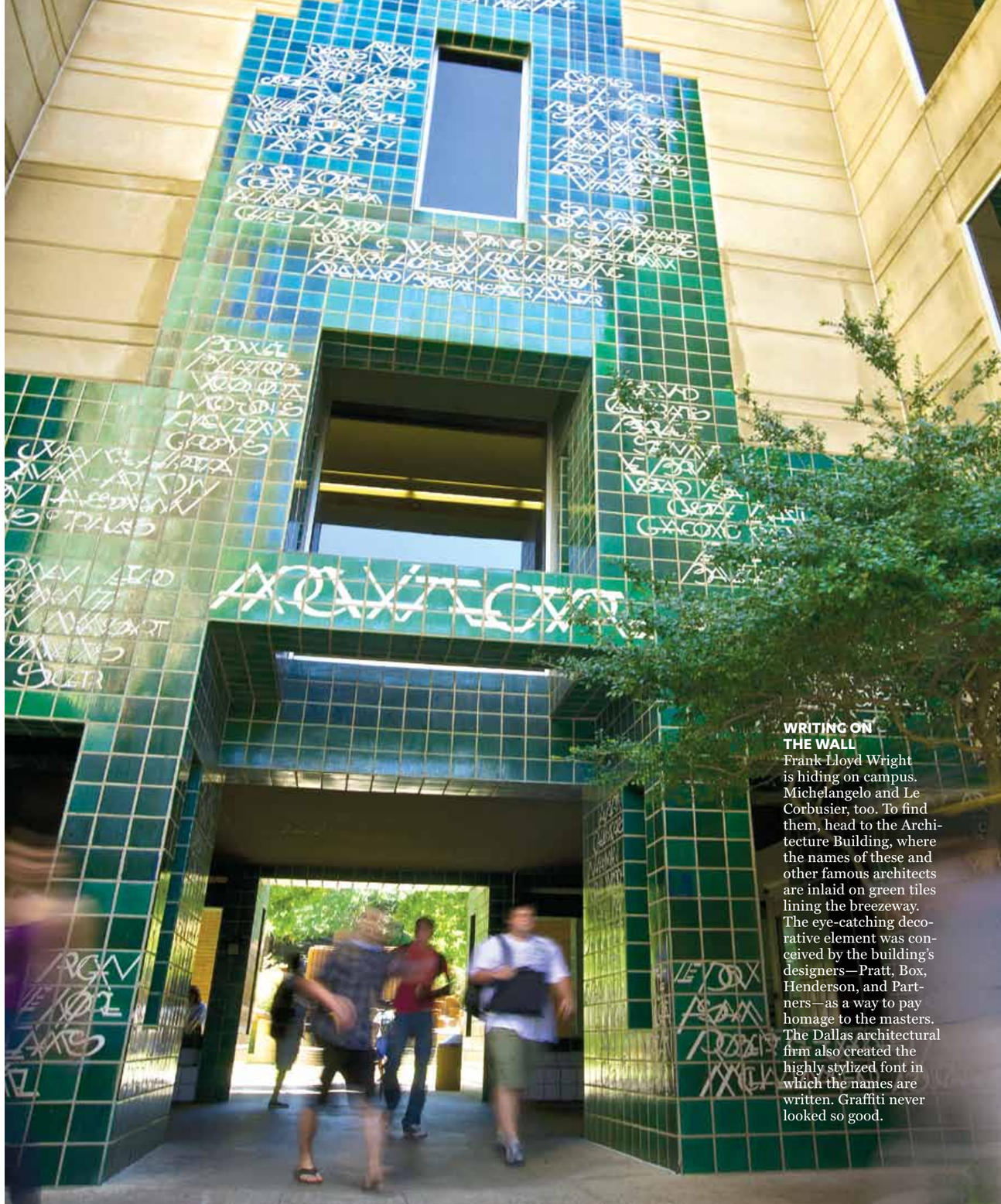
But so are the nearby tectonic powers that could destroy it all in seconds. ✪ Web extra: Watch a video at uta.edu/utamagazine.

{Hidden Treasures}

OK, so some of these things are in plain sight (it's the stories behind them that will amaze you). Others are far off the beaten path—even invisible to the naked eye—but just as interesting. They all have one thing in common: They're unique to UT Arlington. In no particular order, here's our unofficial, totally subjective, somewhat useful list of 25 unsung campus gems.

BIG BANG THEORY

If another university tries to invade the campus, fear not: We have major firepower. UT Arlington owns three Korean War-era 75mm pack howitzer cannons. The artillery tradition began when UT Arlington was known as North Texas Agricultural College and ROTC participation was mandatory. NTAC had one cannon, the euphonious Little Bertha, which was fired mostly at football games, but it disappeared during the Arlington State College years and wasn't replaced. In 1983 the Corps of Cadets brought back the bang, acquiring six cannons: Little Bertha IV, Molly Pitcher, Gabriel, Damien, Munden's Muzzle, and Roaring Rebel III. Collectively known as the Carlisle Cannons, they fired shots at 24 University events annually and helped set the clocks on campus after daylight savings time. In 2001 the University disbanded the cannons due to budget concerns, donating five of the six to other institutions. Bertha stayed. By 2009 the Military Science Department had reacquired two of the weapons. Today an ROTC student organization maintains the three cannons, which are fired on special occasions.



WRITING ON THE WALL

Frank Lloyd Wright is hiding on campus. Michelangelo and Le Corbusier, too. To find them, head to the Architecture Building, where the names of these and other famous architects are inlaid on green tiles lining the breezeway. The eye-catching decorative element was conceived by the building's designers—Pratt, Box, Henderson, and Partners—as a way to pay homage to the masters. The Dallas architectural firm also created the highly stylized font in which the names are written. Graffiti never looked so good.

IT'S A GAS GAS GAS

UT Arlington sits on a sweet spot within the Barnett Shale, one of the largest natural gas fields in the nation. To maximize this resource, the University partnered with Carrizo Oil & Gas, which has completed 22 wells at a single site on the southeast corner of the campus. The collaboration has generated $8.8 million in royalties since the wells went into production in late 2008. Through the Maverick Match program, UT Arlington leverages the royalties to improve educational opportunities for students and benefit the greater University community. In addition, Carrizo has donated $5 million to support College Park Center and $1 million to establish a graduate research fellowship.

TEA TIME

Quiet places can be hard to find on a bustling campus, but the Tea House in the architecture courtyard is one such sanctuary. Designed and built by architecture students, the translucent structure is a modern take on the traditional Japanese form. While you may find peace there, the tea is on you.

MAKESHIFT MUSEUM

Who needs the Kimbell? Original artworks by Picasso, Dali, and other artists hang in the University Center, all donated by political science Associate Professor Allan Saxe. You can experience nearly a dozen drawings, watercolors, and prints in a hallway on the second floor near the Carlisle Suite and Guadalupe Room. No curator necessary.

A GRAVE LOCATION

Doug Russell Park is a great place to relax and catch up on your reading, but note the plaque commemorating its earlier use as a home for unwed mothers. A small cemetery in the park's northwest corner contains more than 80 graves. In 1894 the Rev. J.T. Upchurch organized the Berachah Rescue Society in Waco to protect homeless girls and unwed mothers. Nine years later, he opened the Berachah Industrial Home in Arlington. It closed in 1935, but the site at Cooper and Mitchell streets was used until 1942 as an orphanage run by Upchurch's daughter and son-in-law.

HALFTIME ALL THE TIME

When the University ended football in 1985, the band played on. The marchers now serve as UT Arlington ambassadors and execute exciting shows on the field. Almost 130 students participate in the Maverick Marching Band, which performs at exhibitions, competitions, festivals, and football games around the region. The most notable appearance came in 2009, when the band performed at halftime in Cowboys Stadium. The Mavericks rocked; the Cowboys lost.

HEAD CHECK

Students wanting to ace a test often visit the bust of a former UT Arlington president. Legend has it that those who rub the head of E.H. Hereford's statue in the University Center do better on exams. Years of hopeful hand swipes have left a brighter patch of bronze on Old Rosebud, so nicknamed because he often wore a rose on his lapel.

MORE THAN MEETS THE EYE

The next time you get your hair cut, think research at UT Arlington. Our Automation and Robotics Research Institute houses a system of nanorobots that can construct novel materials 1,000 times smaller in diameter than a human hair. Researchers can tailor-make nanomaterials that one day may revolutionize the defense, energy, and medical industries. The system could be used to build ultra-sensitive sensors that detect tiny volumes of dangerous chemicals and to create products that enable faster medical diagnoses and noninvasive surgical techniques. The nanomaterials also could improve the efficiency of energy storage and conversion.

THE 411 ON UTA

Want to read a brief history of UT Arlington? Don't go to the Central Library—go to the flagpoles outside. A historical marker provides 100 years of history in fewer than 200 words. The Texas Historical Commission erected the plaque in 1995, which coincided with the University's centennial observation. The marker outlines the University's evolution, starting in 1895 with Arlington College and continuing to today's thriving research institution. If only all history lessons were so efficient.

PROCESSION PROP

"Presentation of the mace" listed in a commencement program references neither tear gas nor Medieval weaponry but a scepter-like object carried at the head of academic processions as a symbol of authority. The mace dates to the 14th century, when similar items were used to herald royalty, mayors, and university leaders. UT Arlington's version, created by art Professor David Keens, features the school colors, an etched metal seal, a wreath, a forged metal nest, and glass engravings of the University's former names. Anyone who drops it may be Maced.

NEED FOR SPEED

Most universities urge students to take it slow on the roads. At UT Arlington, we help them race. Every year our Formula SAE (Society of Automotive Engineers) team designs, builds, and races cars at competitions around the globe. Since 1981 the team has taken first place in eight contests in the United States, plus others in England, Australia, and Japan. Three of the retired cars hang in the Nedderman Hall atrium, and others are parked in Woolf Hall. No, you can't drive one. Web extra: Watch a video at uta.edu/utamagazine.

FROM CATTLE TO COMETS

Livestock and giant telescopes have both called the Roundhouse home. Built in 1928, the circular building adjoining the south side of Preston Hall originally was intended for presenting livestock. Seats inside were positioned along the walls, and the floor was depressed to enable better viewing of the animals. The facility also functioned as a slaughterhouse, but once the college's Agriculture Department moved out in 1940, the Roundhouse's affiliation with cattle ended. Over the next several decades, the building would house art classes, History Department offices, an art printing lab, and a planetarium. While the 2006 opening of the dazzling Planetarium in the Chemistry and Physics Building diminished this role, the Roundhouse is still used as a secondary dome for hosting small shows and the occasional astronomy class.

ONE, TWO, THREE STRIKES YOU'RE...

...probably a really good bowler. You can polish your game at Bowling & Billiards, a high-traffic, high-energy University Center destination. It offers a 12-lane bowling alley with automatic scoring, a nine-table billiard hall with regulation-sized tables, a snooker table, large-screen televisions, and a game room featuring foosball and darts.

HORSE OF A DIFFERENT COLOR

Three colors, to be exact. On the Library and University Center malls, you'll find large, white, fiberglass horses adorned with handprints, signatures, Greek letters, and messages of Maverick pride. Following the MavsMeet AfterParty, an event welcoming students to campus each fall, new Mavericks decorate the horses in shades of orange and blue. The tradition started in 2009. "The goal is to continue adding these to the stampede around campus," says Seth Ressl, director of Greek Life and University Events. Web extra: Watch a video at uta.edu/utamagazine.

THE ANSWER IS BLOWIN' IN THE WIND TUNNEL

UT Arlington's transonic wind tunnel is the only one of its kind in the country. A gift from the Air Force, it weighs about 40,000 pounds and can generate air speeds of 350-900 miles per hour. So don't stick your hand in it, advises aerospace engineering doctoral student Eric Braun, who works in the Aerodynamics Research Center, where the tunnel is housed. Researchers use the transonic tunnel to investigate aircraft designs. Its high-pressure capabilities allow small models to accurately predict the performance of full-size aircraft components. Sponsors have included the Army Research Office, Lockheed Martin, and Bell Helicopter. The center also has a supersonic wind tunnel, a hypersonic wind tunnel, an arc jet tunnel, and several small-scale and low-speed tunnels.

OUR VERY OWN X-FILES

In July 1947 something mysterious crashed outside Roswell, N.M. We may never know what really happened, but photographs from the *Star-Telegram* collection, part of the UT Arlington Library's Special Collections, may offer clues. The images, which were taken at the Fort Worth Army Air Field by J. Bond Johnson, are among the most frequently requested items in Special Collections.

IT'S NOT EASY BEING GREEN

Certainly not in the heat of brutal Texas summers, but UT Arlington has managed to make it work. A green roof, believed to be the first of its kind in the Dallas-Fort Worth area, crowns the Life Science Building and serves to reduce and clean runoff, limit the urban heat island effect, provide a park-like respite, and trim heating and cooling costs. Erected in 2008, the roof uses minimum growing materials, little irrigation, and low-maintenance plants to achieve the maximum environmental benefit with the smallest consumption of resources. Green roofs also were incorporated into the design of the recently opened Engineering Research Building, which earned LEED Gold certification.

GENETIC PRECISION

It's called the Roche GS FLX 454 sequencer. If the name alone doesn't impress you, its capabilities will. Tucked away in a sixth floor office of the Life Science Building, this state-of-the-art instrument is so precise that one person could sequence the entire human genome anew in 33 days. Biologists and other researchers use it to help illuminate genomic changes that make people susceptible to diseases. UT Arlington is the only university in North Texas with a Roche 454.

SPECIMEN SANCTUARY

Far from public view on the southwest side of campus resides one of the best herpetological collections in the United States. Founded in 1956, the Amphibian and Reptile Diversity Research Center houses gigantic alligator snapping turtles, tiny Mexican mole lizards, and an impressive king cobra, unfurled above by biological curator Carl Franklin. The center boasts some species now considered extinct among its more than 130,000 specimens from 90 countries. It also has audio recordings of frog calls, photographs, and a comprehensive library. These resources have proved to be invaluable for researchers around the world—and for fans of scaly, slimy things. Web extra: Watch a video at uta.edu/utamagazine.

NOW THAT'S OLD!

In 1492 Columbus sailed the oceans blue. In 1493 Hartman Schedel published a map in Nuremberg, Germany. "Secunda etas mundi; secunda etas müdi" ("the second age of the world") depicts the world divided among the descendants of Noah's three sons. The map is part of the Virginia Garrett Cartographic History Library and is the oldest published item in UT Arlington's Special Collections, housed in the Central Library.

POTTY HUMOR

Shakespeare aficionados can have their round Globe Theatre, UT Arlington has something better: a toilet-shaped one. Though you won't notice it today, the Mainstage Theatre's distinct design garnered attention in its first decade, before the Fine Arts Building was constructed around it. The performance hall comprises two sections: a large, rectangular structure housing ropes and pulleys for the backdrops and a half-oval for the seats and lobby. Put the two together and squint, and you may just see a toilet tank and bowl. Upon completion in 1965, the facility provoked double takes and nicknames like the Jolly Green Giant's john. Two years later, fraternity members, working stealthily and with purpose, hung a 12-foot handle over the side in the middle of the night. Flush with consternation, administrators had it removed the next day.

DREAM ON

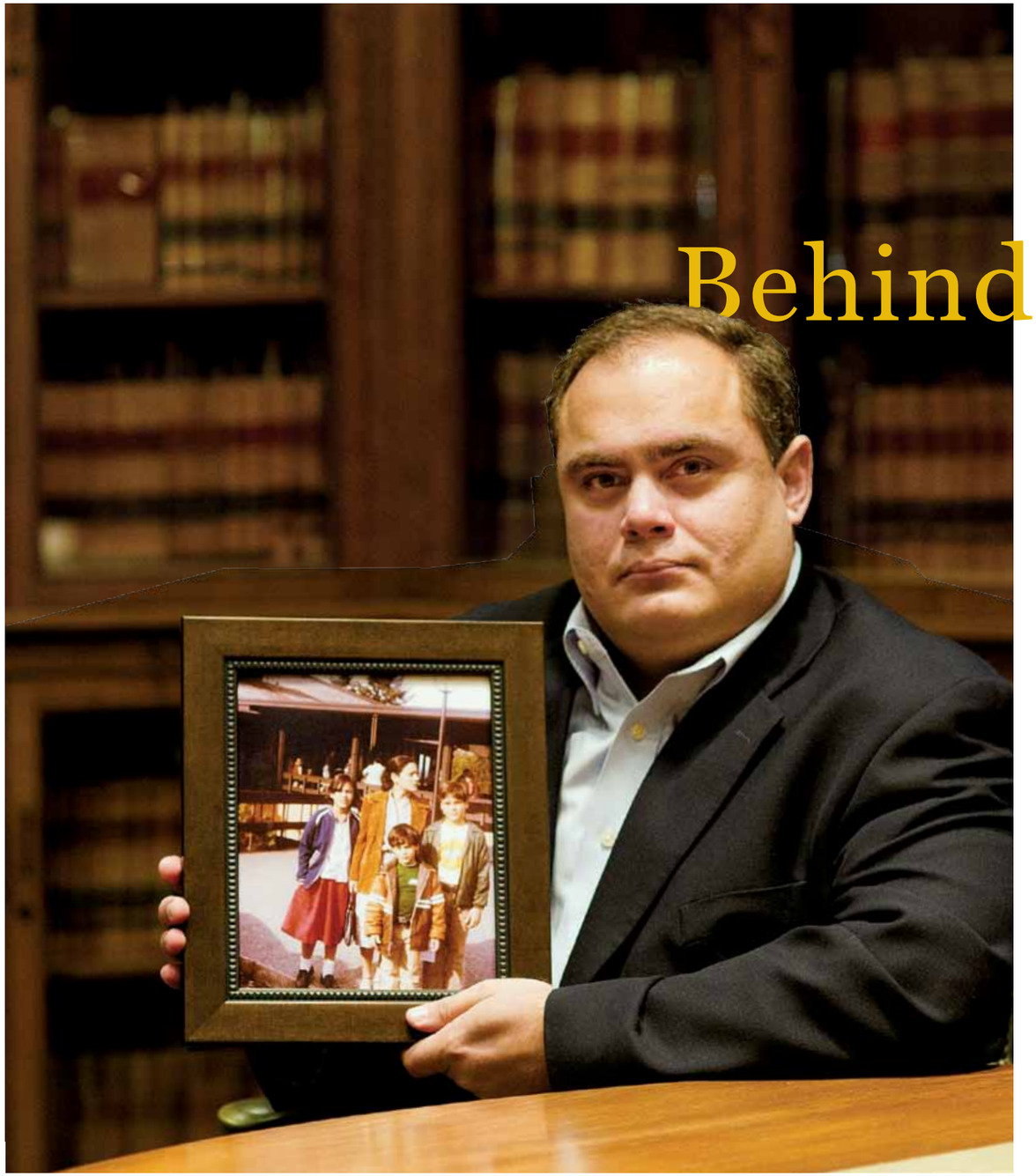
It certainly *sounds* like a dream, if an odd one, racing along football stadium turf in a bed on wheels. Don't pinch yourself. That's exactly what happens at the Bed Races, a Maverick tradition since 1980. Teams of five—four pushers and a rider—compete for the fastest time. No sleeping allowed.

BEYOND THE CALL OF DUTY

How many universities have a Medal of Honor on display? Alumnus Neel Kearby was a decorated World War II fighter pilot before he was killed in action. His numerous awards included the Medal of Honor, the nation's highest military recognition for valor in combat. Col. Kearby's family donated the medal to the University, and it hangs in College Hall.

HOMER TIME

Though a certain cartoon character has hogged the Homer-related spotlight over the past decade, the original bard still gets his due every year during the Homerathon. Starting at dawn, students, teachers, and assorted zany classicists gather on the University Center mall to take turns reading from Homer's *The Odyssey*. The epic work details Odysseus' long journey home after the Trojan War. The recitation lasts all day and includes costumes, dead languages, and plenty of throat lozenges.



Behind the Brilliance

Three award-winning professors reveal how death, war, and a deaf orphan have motivated them to make the world a better place. BY JUDY WILEY

Anyone who labels college professors a dry, academic lot should delve a little further into what makes them tick. Often the research studies and scholarly pursuits of these great minds are driven by something more elemental than the need to learn, by passions born of key events—sometimes tragic, sometimes heartening.

In the case of UT Arlington's Alejandro del Carmen, it was the brutality of war. Beth Mancini endured the death of both parents at a young age. Larry Watson worked in adoption for years, becoming closely involved in a case before teaching and publishing papers on the subject. These experiences shaped their lives and drive their quest for a better world.

ALEJANDRO DEL CARMEN A FIGHTING CHANCE

Dr. del Carmen was 10 when war ignited in him a passion for understanding evil in order to fight it. He was born in a small Nicaraguan town worlds away from UT Arlington's Criminology and Criminal Justice Department, which he has chaired since 2002.

Jinotepe sits inland about 40 kilometers outside the capital city of Managua. The Catholic church in the plaza was a part of daily life. "My alarm clock was the bells of the church at 7 a.m.," he says. His father was an architect, and the family was involved in the coffee industry in a country the Somoza regime had ruled since 1936.

Life was comfortable until the civil war began in 1977. As a boy, del Carmen remembers sitting in the living area, his mother cutting his hair, and hearing tanks roll into the neighborhood. "It soon began to dawn on me that my life was going to change dramatically."

First there were regular trips to hide underneath the bathroom sink when the airplanes came. Then there were the smells, the flames, the screams of the dying. After the Sandinista rebels commandeered the church, the bells would ring all night, supplemented by loudspeakers broadcasting propaganda, including the message that the rebels intended to "kill the bourgeois," and that meant people like the del Carmens.

Beneath the ever-present fear were other, more portentous thoughts. "For me there was a fascination with why people would elevate themselves to that level of hatred for each other. I didn't really understand how I was going to manifest that in my life. I'd gone from leading a sheltered life to discovering there was much evil in the world."

A few days before the communist regime took the country, del Carmen's father gave up on his optimism (most Nicaraguans had assumed the United States, which had supported the Somoza regime for 40 years, would intervene) and decided to get out. For part of the journey to the Managua airport, he tied a handkerchief to the car's antenna, explaining, "That way they won't shoot at us. They'll know we're civilians."

In Managua, visas in hand, the del Carmens were delayed by barricades set up by both the Sandinistas and the government soldiers. Crossing the Sandinista side, the smell of dead bodies filled the air. "They were everywhere; there were bodies in the middle of the streets. I remember being surprised at how swollen a body gets outside after a few days."

The family finally made it and boarded a packed, decrepit aircraft bound for Guatemala. At age 11, Alejandro was leaving the only country he'd ever known, with only one piece of luggage. The family eventually reached Seattle, where the father had a job with an architecture firm and applied for political asylum.

COMING TO AMERICA
After fleeing war-torn Nicaragua in 1979, a young Alex del Carmen and his family arrived in Seattle, only to return home when his father was denied political asylum. They eventually made it to America, where del Carmen, deeply impacted by the brutality he witnessed as a child, has become a noted criminologist.

WOMAN ON A MISSION
Beth Mancini has devoted much of her life to researching and improving CPR techniques. When she was a teenager, her father died of cardiac arrest and her mother of complications from cardiac surgery.

"You go back to a memory and realize you go back to a nightmare. Communism affects every moment, every second of your life."

The relief was short-lived. The U.S. government rejected the del Carmens' application, and they returned to a very different Nicaragua in 1980. The communist regime was in control.

"You go back to a memory and realize you go back to a nightmare. Communism affects every moment, every second of your life."

Groups roaming the neighborhood would spy on families, questioning their comings and goings. When the father put up a Christmas tree, he was ordered to take it down because it was a symbol of capitalism. Alejandro told his father to defy the order, and the tree stayed up.

Finally, the family's luck changed. Alejandro found in his grandmother's effects an envelope with his father's name on it that bore the U.S. embassy seal. The grandmother, who had lived in the United States, had registered her son, Alejandro's dad, as an American born in Nicaragua, so they were free to live in America. The family settled in Huntsville, Ala.

Alejandro's father wanted him to become an architect, but that first criminology class changed everything. "My eyes really opened," del Carmen says. "I got to learn about why people do what they do." This was where he could help, where he could "give something to the world for the betterment of humanity."

He completed three degrees, including his doctorate, and eventually landed in Texas, securing tenure three years after arriving at UT Arlington. His research interests include law enforcement, crime prevention, and corrections. He has written a book on racial profiling, has been a police instructor throughout Texas, and has received numerous teaching and community service awards.

Beyond his passion for understanding and fighting hatred, del Carmen has no illusions that the American justice system is perfect. "But it's important to recognize that it is the best system in the world, and the alternative really stinks. I've lived it."

BETH MANCINI HEART OF THE MATTER

Dr. Mancini leads the globe-trotting life of an international expert. She checks off some of the places she went last year: Japan, Australia, Hong Kong, London, Canada, Chicago, Miami.

Her mission is serious. The College of Nursing associate dean helps establish worldwide guidelines and set public policy for teaching and practicing CPR. She wants to see the lifesaving technique become common knowledge. She also teaches classes, helps stage CPR-related events, and does research.

Her relentless devotion derives from two childhood tragedies. When she was 16, her father died of sudden cardiac arrest. A year later, her mother died after complications of cardiac surgery. Though decades have passed, Mancini still tears up when she talks about what drives her. Inside, she says, she is still that teenager who lost her parents.

"If I had known then what I know today, perhaps my parents would still be alive."

One message she wants to spread is that some CPR, even with less than perfect technique, is better than no CPR. For example, if someone suffers cardiac arrest in a public place, "if you can get a bystander to do CPR, the survival rate more than doubles."

Mancini has helped develop accessible kits for learning the lifesaving practice; the American Heart Association distributes them. The implications of her work spread into routine CPR instruction worldwide. Remember taking a class years ago when you had to sit through a lecture on how to have a healthy heart?

"Some of our research indicated that we needed to simplify what we taught in CPR classes and focus on the skills of CPR," she says. "What we didn't spend enough time doing was teaching how to push and blow."

Mancini, a fellow of the National League for Nursing's prestigious Academy of Nursing Education, began her career as a staff nurse in 1976 in Rhode Island. A decade later, she had a master's degree in nursing administration and was director of emergency services at Parkland Health and Hospital System in Dallas. Before she earned her Ph.D. in public and urban affairs at UT Arlington, she was vice president and then senior vice president of nursing administration at Parkland. She chose public and urban affairs for her doctorate because she wanted to reach as many people as possible through advocacy and public policy while still teaching.

"If I can help save even one more life by increasing the number of people with the confidence and skills to step up in an emergency and say, 'I know CPR, I'll do this,' then it's worth it."

LARRY WATSON HEARING A SILENT CALL

That day in China when he met Amy, a tiny, deaf orphan destined for a life on the streets, unwanted and unloved, changed Dr. Watson's life. "That little girl just took me over," says the social work assistant professor and Distinguished Alumnus.

Watson, who holds master's and doctoral degrees from UT Arlington, had every reason to be jaded or at least matter-of-fact about kids in Amy's situation. He had spent years at Methodist Mission Home in San Antonio, an adoption agency and vocational rehabilitation center, serving as president of the organization from 1994 to 2000 after going to work there in 1986. By the time he met Amy in the late 1990s, he'd seen thousands of children who needed homes.

A deaf child in a Chinese orphanage has almost no chance of adoption, and agencies tend to be filled with little girls because of China's one-child policy (parents want to keep boys). At 15 or 16, Amy would likely be put on the streets to fend for herself.

Watson continued his trip, but not before Amy signed her name to him, and then someone took a photo of the two of them signing it together. He showed the picture to the woman in charge of vocational rehab at Methodist Mission Home. As he tells it, she took one look and said, "I'm going to adopt that baby."

Theresa Johnson laughs and remembers it a little differently: "Larry's words were, 'You know a lot of deaf people, surely you can find a family for her.' "

Johnson put out feelers but "would go home and just feel terrible" about Amy. Johnson's birth daughter was 25, and Johnson was 45. "It was crazy," but adopting Amy "was the right thing to do, and it all fell into place."

That was 1999. Amy now lives in Austin with Johnson and is a straight-A student at the Texas School for the Deaf doing college-level math at age 17.

Watson, inspired by his career at the mission and moved by his relationship with Amy, shifted to public policy to cut a wider swath in the adoption field. He earned his Ph.D. in public administration in 2007 and applies his expertise by teaching and working to change adoption policy. He has published a paper favoring open adoption as a result of his years watching adoptees struggle to learn who they are.

He stays in touch with Amy, and Johnson says he has been assertive in helping ensure Amy gets what she needs. After all, he saw to it that the little girl destined for the streets has a home in Texas today.

"If I had known then what I know today, perhaps my parents would still be alive."

CARING SOUL
Amy, a tiny, deaf orphan, was destined for a life on the streets of China until Larry Watson found her an adoptive home. Now 17 and thriving at the Texas School for the Deaf, Amy fuels Watson's passion for changing adoption policy.

When you update your Facebook status from your iPhone, buy a Kindle book on amazon.com, or use PayPal for online purchases, a UT Arlington graduate likely played a role. BY AMBER SCOTT

Plugged In

At some point today you probably engaged in a social community that stretches far beyond your immediate family and friends. There's also a good chance you did so via a smartphone, if not your personal computer or laptop. You may have scanned the news, your favorite magazine, or a best-seller on your e-reader. Perhaps you bought something using PayPal or played a game that you downloaded from the Apple store, right after you sent a tweet to your followers.

This isn't random speculation. Facebook tops Google for weekly Internet traffic in the United States. If it were a country, Facebook would be the world's third largest. A new member joins LinkedIn every second. In the Twitter universe, 460,000 accounts are created every day, and 1 billion tweets are sent every week. iPod application downloads hit a billion in the first nine months of their availability, and Kindle books outsold paper versions during the 2010 holidays. As of July, more than 94 million users had PayPal accounts.

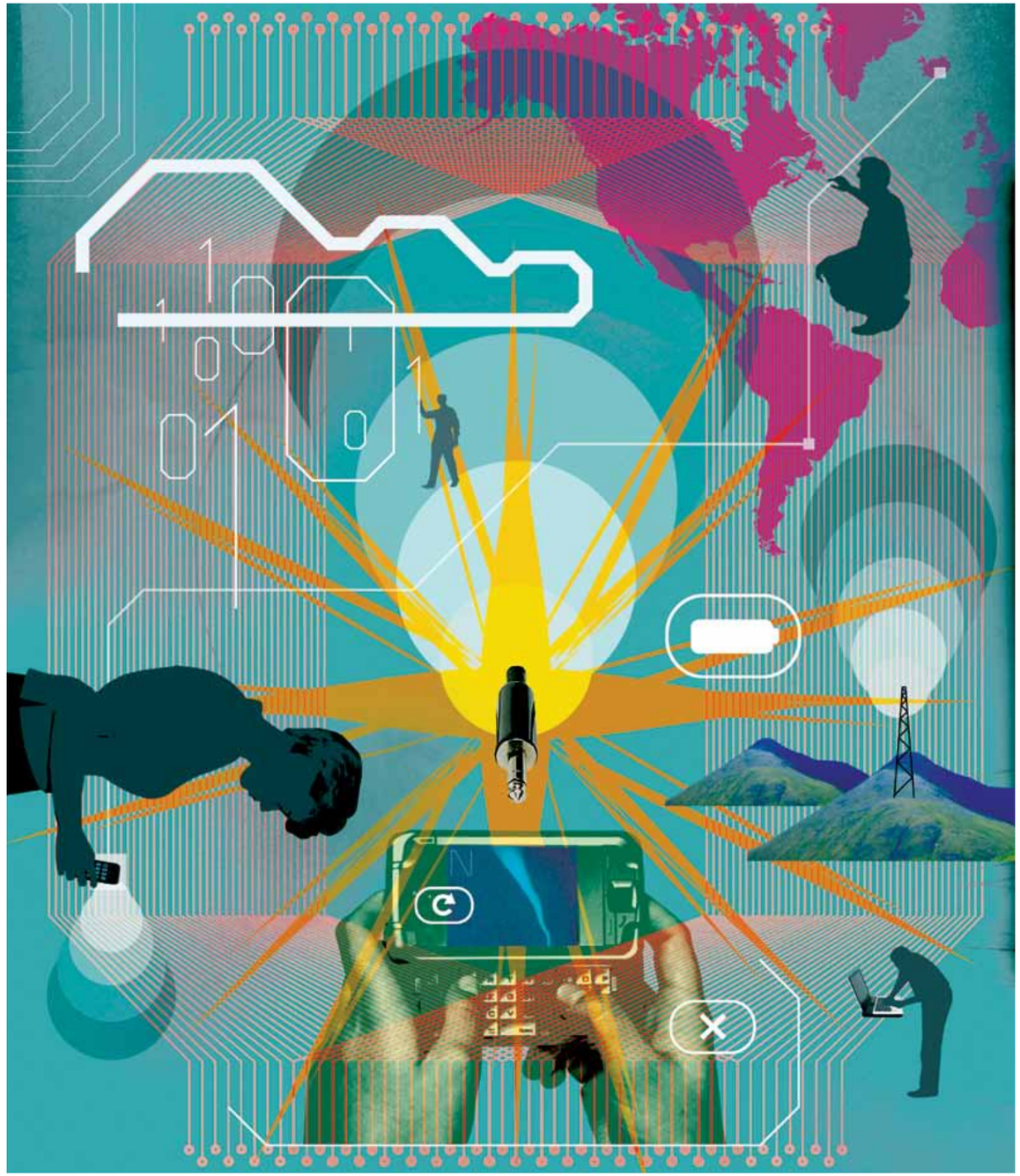


ILLUSTRATION BY STUART BRADFORD

HIGH-TECH HEAVYWEIGHT
As co-founder and vice president of creative services at Blockdot, Dan Ferguson '91 helped create the popular word game Chicktionary and more than a thousand other interactive experiences for numerous corporate titans.

The line separating traditional media from social media is increasingly blurred. These days, everything is one big entity, with technology connecting us to the people and things we love on a grand scale. And the phenomenon just keeps building.

The presence of UT Arlington alumni in these fields is on the rise as well. The next time you interact with Facebook, amazon.com, or PayPal, a UT Arlington graduate likely had something to do with it.

FUN AND GAMES, AND MORE

"Mobile technology over the last few years has created a seismic shift in how we live and work today," says Dan Ferguson '91, co-founder and vice president of creative services at Blockdot, an award-winning specialty digital agency for brands and select partners. "This is not a pie-in-the-sky pitch; it has truly changed our daily lives at record speed."

"Mobile technology over the last few years has created a seismic shift in how we live and work today."

It took radio 38 years to reach 50 million listeners, but it took the Internet only four years to reach the same number of users. Apple's iPod took three. And Facebook? It topped 200 million users in just one year.

Ferguson's degree is in journalism, and his classes included graphic design, where he learned the fundamentals of typography and composition he uses today.

"A tremendous influence for me was the fact that UT Arlington was an early adopter of technology," he says. "The journalism department's resources were actually more advanced than most advertising agencies in the area. Having access to these facilities exposed me to the tools that helped me get my first job."

His academic training provided room for his business acumen to grow and his biggest ideas to flourish. In the mid-1990s he co-founded NVision Design with two other UT Arlington graduates, Paul Herber '88 and Michael Bielinski '87. NVision was one of the first interactive agencies in Dallas and enjoyed great success with the Internet darling Elf Bowling. At its peak, the game was downloaded and installed 900 times per second, Ferguson says.

In 1999 the young entrepreneurs sold NVision and started Blockdot. The company has created more than a thousand interactive experiences for a range of corporate heavyweights, including American Airlines, AT&T, General Motors, Microsoft, Motorola, and Verizon. In 2008 Ferguson was the creative lead behind the word game Chicktionary, an iPhone app that has been the No. 1 word game, No. 1 family game, and No. 4 app in the Apple iTunes store.

"I'm fortunate to be in a tremendous industry and receive recognition for working hard while having fun," he says.

Recognition, indeed. After completing a project for the last *Star Wars* movie, Ferguson had a Jedi named after him: Dando Urguson. It's all in a day's work, and his passion is still going strong.

"Are you kidding? I get to make games for a living!"

But the iTunes application store isn't all fun and games. There are apps to help you exercise, manage your calories, organize your closets, keep track of your schedule, and maybe save your life.

Justin Graham '10, a software engineer, became interested in app development when he bought an iPhone. "The weather apps were limited at the time," he says, "and the combination of iPhone technologies made the iPhone a great platform for tornado tracking."

After discussing his ideas with family and friends, Graham invented TornadoSpy, which issues an iPhone alert whenever a tornado is spotted in the area.

The app, from which HailSpy, TornadoSpy+, and TornadoSpyHD were born, has become a hit. "It has provided warnings of tornado sightings several hours before some National Weather Service sightings," Graham says.

In the most recent tornado season, users in Illinois spotted several twisters hours before the NWS listed them. While TornadoSpy lists NWS sightings, the combination of NWS and user sightings, along with the AccuSpy tracking algorithm, makes the application really powerful.

"Mobile app stores represent a significant milestone for the individual developer," Graham says. "It makes it easy for a casual developer to reach a worldwide audience on a trusted platform."

For Graham, the reward goes far beyond the exposure. "I provide an application that can help others. Not only do I get to work with the latest technology, I can use it to help people and possibly save lives."

FROM SAVING LIVES TO MAKING LIFE EASIER

Abhishek Hodavdekar '08 started his career at Bloomberg, a financial data company in New York, but never lost sight of his goal to work for a high-tech powerhouse. He moved to Silicon Valley after landing a job with one of the biggest technology companies of all—Google.

He's now an engineer in the global operations group at PayPal, where he leads a team that provides data services for applications used by PayPal customer service agents. He's motivated by the job's direct link to customer satisfaction.

"Not only that, but being a part of a tech company keeps me up-to-date with the latest innovations and always provides me opportunities to make our lives better," he says. "Today every individual has up to seven different devices connecting him or her to the Internet or the cloud. Technology has made our lives easier, our experiences richer, and brought our friends closer."

UT Arlington helps supply the human capital that makes these advancements possible. The College of Engineering offers eight bachelor's, 13 master's, and nine doctoral degree programs. With more than 4,000 students, it's the state's fourth-largest engineering college and boasts 21,000 alumni.

"With such a diverse set of engineering majors, we offer students the opportunity to find exactly the career that excites them," Assistant Dean Carter Tiernan says. "Then we prepare them extremely well, with high expectations for both their academic performance and their work ethic."

Many students take advantage of the myriad opportunities to work in internships or engage in research. In his third semester, Abid Hafeez '09 was part of a Web development team in the Office of Electronic Research Administration that built a site for the University's burgeoning research portfolio. He says this helped him land his job as a software development engineer at amazon.com, the world's largest online retailer.

The ability to adapt is perhaps the most important career skill that UT Arlington teaches graduates who choose to enter a field dominated by ever-shifting trends and lightning-fast technological innovations.

"The companies that hire our graduates tell us they are not only qualified in their educational backgrounds, but they also come equipped with teamwork skills and good practices," Dr. Tiernan says. "We're extremely proud of the diverse areas where our students work and of the caliber of work they do."

Like Prateek Shah '04, who helped develop the Kindle. Or Tim Perry '94, engineering manager at Netflix. Or Don Skotch Vail '90, who had a hand in creating the wildly popular Goodreads app and is now engineering manager at Apple. Or Tom Cook '04, who recently left Facebook to work as an engineer at Quora.

Or Bradley Joyce, who cut short his UT Arlington studies to manage a start-up software/Web development company called Velocis.

"I'm not sure there's another industry where so many smart people have made so much from so little," he says. "Every day there's a story about a new technology, new company, or new entrepreneur who is changing the world we live in. I'm sure we'll see some amazing things in the future."

It's a good bet UT Arlington alumni will be part of them.

"Every day there's a story about a new technology, new company, or new entrepreneur who is changing the world we live in."

FINGERTIP FORECAST
HailSpy and TornadoSpy are among the iPhone applications Justin Graham '10 has developed. TornadoSpy has provided warnings of twister sightings several hours before some National Weather Service reports.

AlumniNews

THE WORLD AND UT ARLINGTON

ILLUSTRATION BY KAREN DAVISON

Excellence Personified

UT Arlington bestows highest alumni honor for accomplishments, dedication

The 2011 Distinguished Alumni Gala honored six former students and a longtime professor.

Six alumni and a former professor were recognized for their professional achievements and service to the University at the annual Distinguished Alumni Gala in October.

Jane Avila '90, Lon Burnam '79, Harry Dombroski '79, Al Ellis '65, and Keith Weiss '73 received the Distinguished Alumni Award. Mustaque Ahmed '81 received the Distinguished International Alumni Award, and Karin McCallum received the Honorary Distinguished Alumni Award.

Avila earned a Master of Science in Social Work to combine with her background as an art teacher to explore art therapy. A personal tragedy allowed her to experience the healing power of art firsthand. She opened The Art Station, a nonprofit organization in Fort Worth, to serve people with mental health issues and is president of its board of directors.

Burnam, who holds a master's degree in public and urban planning, has served as state representative for District 90 since 1996. His legislative work often focuses on environmental, educational, and social justice issues. The director of the Dallas Peace Center for 10 years, he is now a nonprofit consultant to civil rights and religious pluralism organizations.

Dombroski earned a Bachelor of Business Administration degree in accounting. He joined KPMG Peat Marwick before moving in 1983 to Hunt Consolidated. Today he is Hunt's senior vice president of financial administration and coordinates capital and investment decisions and overall planning for the firm.

Ellis holds a bachelor's degree in history. He is "of counsel" with Sommerman and Quesada in Dallas and has tried more than 175 cases in 39 years as an attorney. Named a Top Lawyer by several publications, he has been honored for community service and teaching excellence in law education.

Weiss, who earned a bachelor's degree in industrial engineering, delivers business strategies as a Six Sigma Master Expert at Raytheon, which has recognized him with numerous awards for excellence in quality and operations. He serves as the industry lead for the Massachusetts Institute of Technology's Lean Advancement Initiative.

Ahmed holds a bachelor's degree in economics and helped start the International Student Organization while a student. He is managing director of DHL Global Forwarding Bangladesh. At UT Arlington he has funded the Festival of Ideas and the Global Research Institute within the College of Liberal Arts.

Dr. McCallum, who joined the faculty in 1975, is a professor emeritus and former chair of the Department of Communication. She is a member of the Academy of Distinguished Teachers and was UT Arlington's first female faculty representative to the NCAA.

The 2011 Distinguished Alumni honorees are, clockwise from top left, Keith Weiss '73, Mustaque Ahmed '81, Al Ellis '65, Jane Avila '90, Lon Burnam '79, Karin McCallum, and Harry Dombroski '79. Dr. McCallum received the Honorary Distinguished Alumni Award. Go to utaalumni.org/distinguished for more information on the honorees.

ALUMNUS SELECTED FOR NATIONAL 'GENIUS GRANT'

Roland Fryer '98 tackles controversial subjects with a straight-ahead rationalism you'd expect from a nationally acclaimed economist. Much of his vast body of research, which has been featured on *60 Minutes* and in *Time* magazine, *The New York Times*, and numerous other media outlets, focuses on the black-white economic and social divide. In September the MacArthur Foundation named Dr. Fryer one of 22 MacArthur Fellows for 2011. Often called "genius grants," the awards recognize creativity, originality, and potential to make contributions to society and include $500,000 in support over five years. Fellowships come without stipulations or reporting requirements. Fryer is the Robert M. Beren Professor of Economics at Harvard University. He is also founder and director of Harvard's Education Innovation Laboratory and a research associate at the National Bureau of Economic Research. Through theoretical investigations and quantitative analysis, he has explored the cognitive underpinnings of racial discrimination, labor market inequalities, and the educational trajectory of minority children. He recently led a study of more than 20,000 students from 200 schools in three cities to see if financial incentives improve academic performance. Early results indicate that monetary payments alone have no statistically significant impact on test scores. Fryer also has examined the effect of attending historically black colleges and universities, the impact of "acting white," and the causes and consequences of distinctively black names. "I love discovery. I love the idea that you can be stumped for hours and then it somehow becomes clear," he says. "I don't know what the answers to racial inequality are, but I'm going to spend the rest of my life using all of my energy, talent, and data I can muster to try and figure it out."

SINGING A NEW TUNE **The UT Arlington alma mater, *Forever Arlington*, has a new melody that befits the concert hall as well as the basketball arena. Sung publicly for the first time at the 2011 MavsMeet Convocation by the Marching Band, the song underwent a makeover by noted composer George Chave. An associate professor in the Department of Music, Dr. Chave was charged with penning a tune that was less formal and less vocally complex than the original, composed in 1967 by Lucien Cailliet. The lyrics, written by two students during the 1939-40 academic year, remain the same.**

Back to the Herd

Retooled website helps keep alumni connected

You've heard that "once a Maverick, always a Maverick." But after you earn your diploma and leave UT Arlington, how do you maintain that Maverick spirit and University pride?

It can be difficult to stay engaged when you move away. One solution: a revamped Alumni Association website.

Launched in August, the site functions similarly to popular social networking venues but offers more security and more customization and is exclusive to alumni and Alumni Association members. Users can post photo albums and slideshows, YouTube videos, and even blog posts on their profile pages and share them with friends on the site.

Another helpful feature is the Career Center, where users can find mentors, share résumés with other alumni and potential employers, post job openings at their companies, or locate career opportunities.

The site works seamlessly with social networking platforms, allowing users to link Facebook, MySpace, or LinkedIn member pages to their profile pages. Other improvements include RSS feeds, a tool to find old classmates, an easy way to update your contact information and control email messages you receive from the Alumni Association, better navigation, and increased page-loading speed.

"We're excited about the site's improved functionality and the opportunity to have an online community," says Zack Kulesz, the Alumni Association's assistant director for membership and marketing. "With our new, more interactive website, our alumni will not only be offered a connection to the Alumni Association, they'll have a link to the University community as a whole."

Ready to get connected? Visit utaalumni.org and click on "First-Time User" to create a personal, password-protected member profile.

Snapshot

NIGHT ON THE TOWN
Dennis Volz and Ellen Timberlake Volz '77 wore Maverick blue for the Arlington Night on the Town mixer at Mavericks Sports Grill in September.

LAS COLINAS MIXER
Attending an alumni event in Las Colinas in June were, from left, Kristen King '09, Lowell Seaton '06, and Hee-Young Choi '02.

SCHOLARSHIP DINNER
Gloria Trevino received the Alumni Legacy Scholarship from Alumni Association President Bob Watson '03 at the association's annual Scholarship Dinner in August.

MBA ALUMNI CELEBRATION
Attending a celebration at the American Airlines Training and Conference Center in July for MBA cohort graduates were, from left, Janet Cunningham '10, Sara Mohtashamipour '07, Leonard Gregory '10, and Patricia Gregory.

Events

THE SCHOOL FOR SCANDAL
The Theatre Arts Department presents a contemporary interpretation of Richard Brinsley Sheridan's classic comedy of manners. Directed by Natalie Gaupp. **Nov. 11-12** and **17-20**, Mainstage Theatre. Times and more information: uta.edu/theatre

HOLIDAY CONCERT
The University Singers and A Cappella Choir sing contemporary carols and more. 3 p.m. **Sunday, Dec. 4**, Irons Recital Hall, Fine Arts Building. The concert is sponsored by College Town UTA. More information: uta.edu/music

COLLEGE PARK CENTER
Enjoy free admission to the first basketball games in the new 7,000-seat College Park Center. The Maverick men and women take on UT San Antonio. **Wednesday, Feb. 1, 2012**. More information: 817-272-2239 or utamavs.com

HOMECOMING 2012
Catch up with former classmates and check out what's new on campus. The Homecoming basketball game and other events highlight the schedule. **Thursday-Saturday, Feb. 9-11, 2012**, College Park Center. More information: uta.edu/homecoming

Blues Ain't So Bad

Alumnus Jim Ashworth nominated for Grammys

They say you have to live the blues to sing the blues. Not so for Jim Ashworth.

Life is good for the 1973 business graduate. As vice president of Marshall Career Service, he places senior-level accounting and financial professionals with major corporations in North Texas. He's a long-term member of the Pinnacle Society, a national organization reserved for the top 75 performers in his field.

The backyard of his home near Aledo has a swimming pool, putting green, zip line, and playground for the grandkids. But it's what goes on inside the house that opens eyes—and ears.

Ashworth and musical partner Bryan Freeze are Dr. Wu', an award-winning blues band named for a favorite Steely Dan song. Like Steely Dan (really Donald Fagen and Walter Becker), Dr. Wu' hires top studio musicians to polish its sound. Ashworth and Freeze wrote all but one of the 24 songs on Dr. Wu's two Grammy-nominated albums, which can be sampled at texasblues.org.

"Bryan and I decided we wanted to win a Grammy and blues would be the category we'd shoot for," Ashworth says. "I'm not shocked that we were nominated; I'm mad that we didn't win."

The songs were recorded at Dr. Wu' Studios, an upstairs lair at Ashworth's home that boasts one of the wildest guitar collections around. One of the 43 vintage instruments hanging on the wall belonged to a Beatle. (To avoid tempting visitors, he won't say which Beatle or which guitar.) In one psychedelic corner, six guitars adorned with fluorescent paint glow brightly under a black light. Gibson, Fender, and Rickenbacker models complement an electric banjo, an acoustic bass, and a Sears-manufactured six-string that plugs into its case.

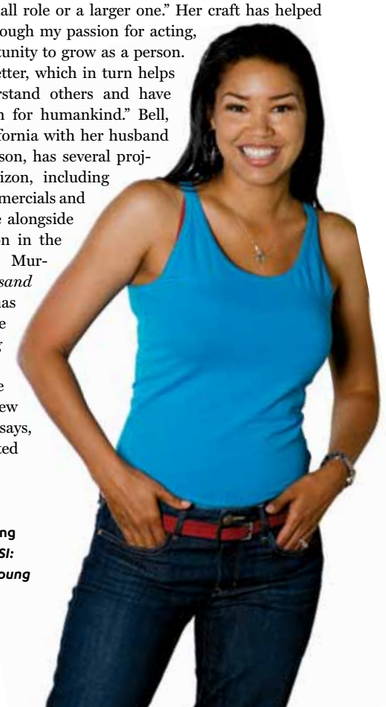
A Beatles fanatic, Ashworth's rock 'n' roll collection doesn't stop at guitars. Stashed in a studio closet are Fab Four figurines, album covers, plates, music boxes, and magazines. He has a signed Beatles cartoon and lithograph as well as a Ringo Starr self-portrait. Non-Beatles items include a framed Woodstock ticket and another closet full of memorabilia from the Rolling Stones, Yardbirds, Jimi Hendrix, AC/DC, and others.

Ashworth's passions extend to helping UT Arlington students. In addition to establishing the Jim and Nancy Ashworth Endowed Scholarship in the College of Business and serving on the advisory council for the Department of Management, he mentors scholars and graduates of the Goolsby Leadership Academy.

"It's fun to see them take your advice and become successful," he says.

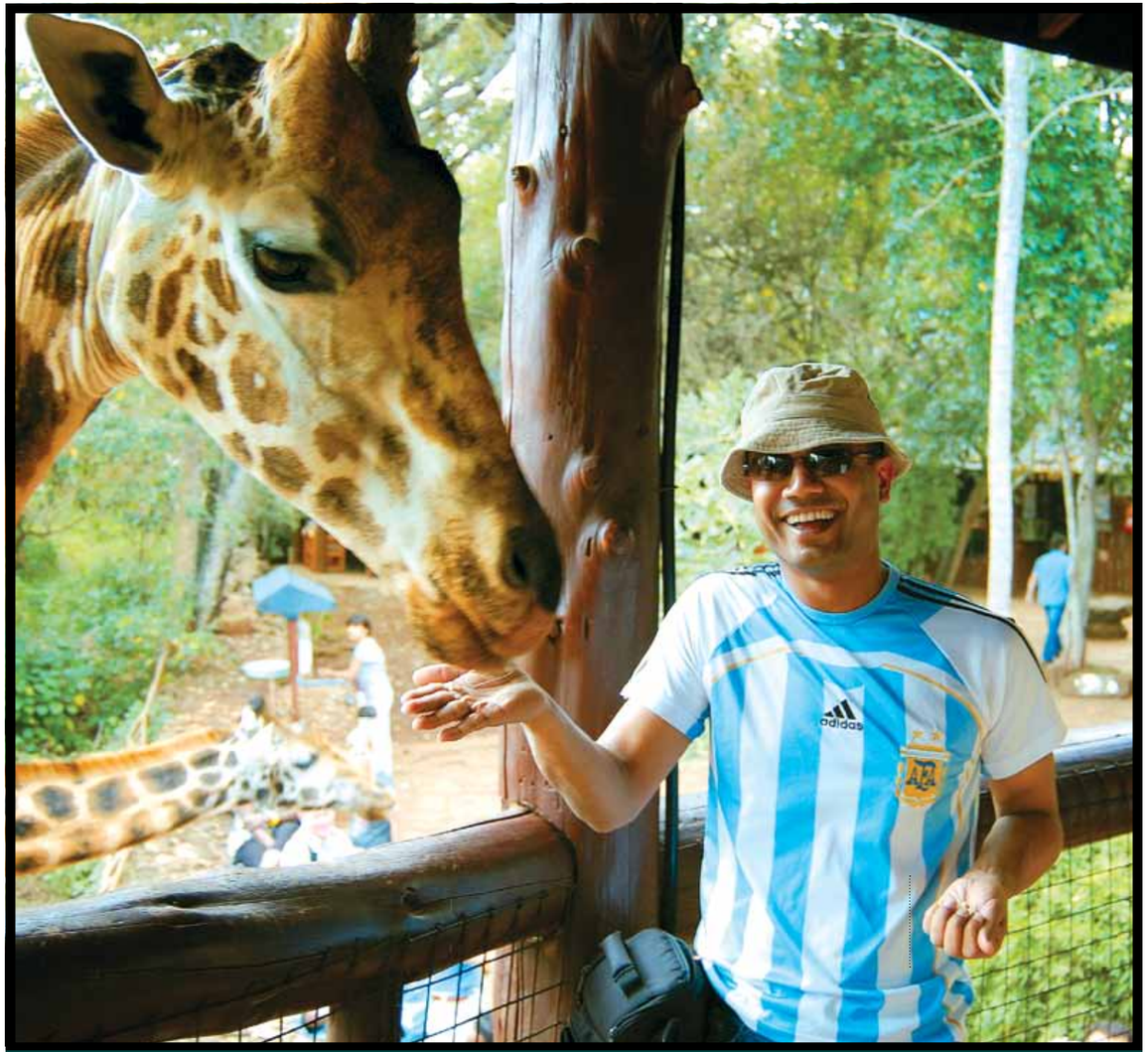
A PASSION FOR PERFORMING

Raquel Bell got knocked around by *CSI: Miami* actor David Caruso once, and she's pretty proud of it. It was all in a day's work for the 2003 graduate, who shared a scene with Caruso on the hit CBS show. "I played a paramedic trying to save his partner's life," she says. "Suddenly, and totally off script, David tried to push me out of the way and resuscitate his partner on his own. I pushed him back, and the struggle was on!" After several intense takes, Bell took some deep bruises home with her. "It was an incredible experience, and I was proud of myself for being able to stand my ground with such a respected and established actor." From the time she was a child, Bell knew she wanted to act. That early interest flourished at UT Arlington, where she earned a bachelor's degree in communication and minored in theater arts. Her love of acting burns unabated today. "I've found in acting the freedom to explore without worrying about judgments," she says. "I love getting lost in a character and living out their reality, whether it's a small role or a larger one." Her craft has helped her mature. "Through my passion for acting, I have the opportunity to grow as a person. I know myself better, which in turn helps me better understand others and have more compassion for humankind." Bell, who lives in California with her husband and their infant son, has several projects on the horizon, including two national commercials and a co-starring role alongside Kerry Washington in the upcoming Eddie Murphy film, *A Thousand Words*. She also has a recurring role on *The Young and the Restless*. "I absolutely love the cast and crew of the show," she says, "and I am so excited to be returning."



Raquel Bell's acting credits include *CSI: Miami* and *The Young and the Restless*.

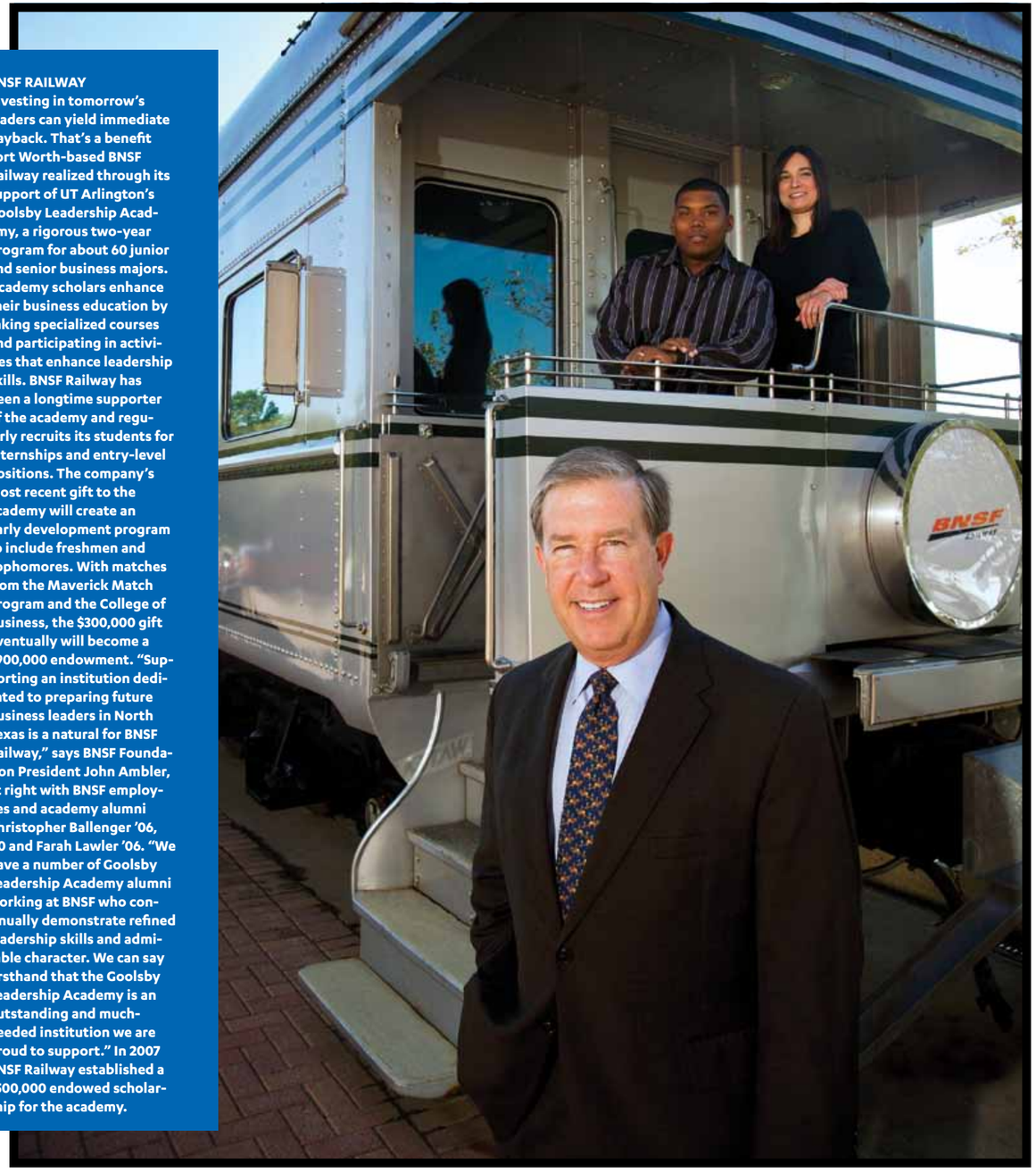
Nairobi, Kenya **Alumni**



It truly is a small world, thanks to people like alumnus Ankit Rohatgi, who brings communication to isolated corners of the globe. The 36-year-old native of India uses two UT Arlington master's degrees—electrical engineering '01 and business administration '05—as a senior solutions architect for Ericsson, the Dallas-based telecommunications equipment giant. He creates cellphone satellite connections in remote areas such as small villages or large ships. "I have training in Jakarta, a trade show in Singapore, sales in Mongolia, sales support in Gabon—a lot of different things."

Among the 37 countries Rohatgi has visited is Kenya, where he fed giraffes at a sanctuary near Nairobi. In April he installed a satellite connection on one of the largest freighters in the world. Now the sailors can talk to their families while at sea instead of waiting for a quick call from a port. A satellite cell tower on a Ugandan hilltop brings coverage to many poor villages. "The cellphone will be the only electronic appliance in the home. One person takes the phones to the nearest town where a man charges them," Rohatgi says. "It is amazing how this is changing the world."

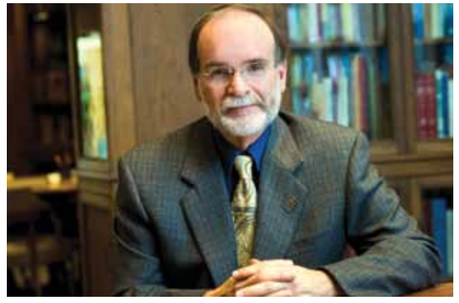
Giving Goolsby Leadership Endowment



BNSF RAILWAY
Investing in tomorrow's leaders can yield immediate payback. That's a benefit Fort Worth-based BNSF Railway realized through its support of UT Arlington's Goolsby Leadership Academy, a rigorous two-year program for about 60 junior and senior business majors. Academy scholars enhance their business education by taking specialized courses and participating in activities that enhance leadership skills. BNSF Railway has been a longtime supporter of the academy and regularly recruits its students for internships and entry-level positions. The company's most recent gift to the academy will create an early development program to include freshmen and sophomores. With matches from the Maverick Match program and the College of Business, the $300,000 gift eventually will become a $900,000 endowment. "Supporting an institution dedicated to preparing future business leaders in North Texas is a natural for BNSF Railway," says BNSF Foundation President John Ambler, at right with BNSF employees and academy alumni Christopher Ballenger '06, '10 and Farah Lawler '06. "We have a number of Goolsby Leadership Academy alumni working at BNSF who continually demonstrate refined leadership skills and admirable character. We can say firsthand that the Goolsby Leadership Academy is an outstanding and much-needed institution we are proud to support." In 2007 BNSF Railway established a $500,000 endowed scholarship for the academy.

ENDOWED PROFESSORSHIP IS NO OPTICAL ILLUSION

A new distinguished professorship will honor Fort Worth physicist and businessman Richard Claytor while strengthening the University's cutting-edge optics-related research. A $500,000 endowment established through a gift from Nelson Claytor, Richard's son, will fund the professorship. Richard founded Fresnel Technologies, a leading manufacturer of molded plastic lenses and related optical components based in Fort Worth. He now serves as vice president. "Our hope is that this commitment leads to more and more visible support for optics in this region," says Nelson Claytor, Fresnel Technologies president. "Where there are strong networks of companies in a technology such as optics, there are also strong universities." Ron Elsenbaumer, provost and vice president for academic affairs, calls the donation "a prime example of the role that private investment plays in furthering university research." The gift will help UT Arlington recruit a world-class faculty member to lead optics research in the College of Science. Nelson Claytor and Fresnel Technologies committed $250,000 to create the distinguished professorship in the Physics Department. The sum will double through the Maverick Match program, which leverages the University's natural gas royalties to encourage philanthropy and bolster the UT Arlington endowment. The professorship honors Richard Claytor for his role in shaping Fresnel Technologies. He holds a doctorate in physics and 28 U.S. patents. "I've been working at the company since I was 12 years old in one way or another, and my father has taught me quite a lot of different things," says Nelson, a longtime member of the College of Science Advisory Council. Optics research has led to advancements in a variety of fields, from medical imaging to fiber-optic communications. The new distinguished professor in physics will join UT Arlington faculty members from multiple disciplines engaged in innovations in the optics field.



AMONG FRIENDS

The Friends of the UT Arlington Library has launched a campaign to raise $50,000 to create the Gerald Saxon Dean's Excellence Endowment. Dr. Saxon, above, stepped down as Library dean in August and will join the History Department as a full-time faculty member. He has taught part time in the department since he came to UT Arlington in 1986 as the director of Special Collections. He also is researching material for a new book. For information on supporting the endowment, contact Mark LaVelle, assistant vice president for University Development, at 817-272-5235 or mlavelle@uta.edu.

Combatting Abuse

Beverly Black named to family violence professorship

The memory of alumna and Arlington police officer Jillian Smith, who was killed in the line of duty last year, will live on through a new UT Arlington professorship.

The School of Social Work Advisory Council has created the $250,000 Jillian Michele Smith Professorship in Family Violence Research. Council members committed $125,000 to establish the endowment, believed to be the first of its kind from a University advisory group. The sum doubled through the Maverick Match program, which pairs natural gas royalties with new endowment commitments to encourage philanthropic gifts.

Social Work Professor Beverly Black, above, who joined the University in 2008, has been named the professorship's first recipient. Dr. Black directs UT Arlington's Social Work Ph.D. program and focuses her research on sexual assault, adolescent dating violence, prevention programming, and domestic violence.

Robert Gladney, advisory council chair, says he and fellow members were moved to create the professorship by Smith's bravery. She was responding to a domestic violence call when she was fatally shot in December 2010. Smith, who graduated cum laude in August 2009 with a bachelor's degree in criminology and criminal justice, was heralded as a hero because she placed herself between the gunman and a child, saving the girl's life.

"We knew that naming the professorship for her would serve both to honor her actions and inspire future scholars to develop research-based practical solutions for the terrible problem of family violence," says Gladney, division vice president for Kindred Healthcare.

School of Social Work Dean Scott Ryan says family violence can destroy generations without respect for class or creed.

"It is a scourge on the American family," says Dr. Ryan, the Jenkins Garrett Professor of Social Work. "This kind of private support is critical to elevating the research of faculty who have distinguished themselves in the field of family violence prevention and to establishing best practices for resolving conflict before it is too late."

Spotlight

DEVELOPMENT BOARD
New Development Board members for 2011-12, from left, Raj Nooyi '78, John Harvison '54, and Chip Johnson at the September board meeting. Andy Sommerman '83 also joined the board this fall.

RANKIN LEGACY SOCIETY
Bill Hughes '50, Barbara Hughes, and President James D. Spaniolo at the Rankin Legacy Society Luncheon in September.

LEADERSHIP SUMMIT
Students Date Chin, left, and Jeffrey Hazelrigs with Gen. Tommy Franks '71 at the Leadership Summit Luncheon in September.

NEDDERMAN SOCIETY
President Emeritus Wendell Nedderman, Barbara Peet '86, and Betty Nedderman at the Nedderman Society Cookout last spring.

Class Notes

1950

Ann Palmer (AS, General Studies) has her own business, Weddings by Ann in Asheville, N.C. She has authored three books—*Letters to the Dead, I Know How a Butterfly Feels,* and *Ann of 1,000 Lives*.

1965

Glen Wilkerson (BS, Biology) is an attorney at Davis & Wilkerson, P.C., in Austin. He focuses on personal injury law, insurance law and litigation, construction law and litigation, commercial litigation, civil litigation, and professional liability.

1967

Jack Kilpatric (BS, Biology) received the Desert Ram Award, given by the Desert Bighorn Council for outstanding contributions to the Texas Parks and Wildlife Department's bighorn restoration program.

1971

T.R. "Dean" Daniel (BA, History) has been named president of the Council on Military Education in Texas and the South. Dr. Daniel is an associate professor of education and executive director and dean of the Wichita Falls Campus for Wayland Baptist University. **Tommy Franks** (BBA, Business Administration) will be inducted into the Oklahoma Hall of Fame in November. Born in Wynnewood, Okla., Gen. Franks served as commander in chief of U.S. Central Command, overseeing military operations across 25 countries, including in the Middle East. He earned an array of military honors, including three purple hearts for his work in Vietnam. **Jose S. Jimenez** (BS, Electrical Engineering) is chief diversity officer for Computer Sciences Corp., a software and technology management company in Falls Church, Va. He recently was honored by the Hispanic IT Executive Council with its Estrella award, which recognizes an industry leader who has made a major contribution to the advancement of technology and diversity. **Roy L. Williams** (BBA, Business Administration) received the College of Business Alumni Award for Extraordinary Service at the executive dinner in April. He retired in 2007 as chief scout executive for Boy Scouts of America. He chairs the advisory council for the College of Business.

1972

Harold Barnard (BBA, Business Administration) was elected vice president of the Trinity River Authority Board of Directors. He is president of Ellis County Abstract and Title Co. in Waxahachie.

1973

Rick Stone (BA, History) has accepted an appointment to the intelligence directorate of the Joint POW/MIA Accounting Command, which searches for those missing in action from World War II.

1974

Walter Dansby (BA, Health/Physical Education) is interim superintendent for the Fort Worth Independent School District. He has spent 37 years working for the district, most recently as deputy superintendent overseeing the bond package. **William T. Springer** ('74 BS, '79 MS, '82 PhD, Mechanical Engineering) received the S.Y. Zamrik Pressure Vessel and Piping Medal from the American Society of Mechanical Engineers for significant contributions in the nondestructive evaluation arena and for his support and leadership with ASME's PVP division. Dr. Springer is an associate professor and the Twenty-First Century Endowed Chair in the Department of Mechanical Engineering at the University of Arkansas.

1976

Bob Wittkower (BS, Chemistry) is a certified safety professional and the HSE project lead for JP Kenny, a subsea engineering firm with offices in Houston. He has twice received the Wood Group Chairman's Safety Award.

1977

E.J. Copeland (BS, Architecture) is co-principal of CamargoCopeland Architects LLP in Dallas. A company project, The Bridge Homeless Assistance Center of Dallas, is the 2011 Gold Medal recipient of the Rudy Bruner Award for Urban Excellence. **Jeff Leuschel** (BA, Political Science) was named Public Finance Lawyer of the Year in the publication *Texas' Best Lawyers*. He is a partner at McCall, Parkhurst & Horton LLP in Dallas.

1978

Bill Gibson (BBA, Finance) is vice president of sales and marketing at SCT Fleet Solutions, a provider of fuel efficiency and safety solutions for the fleet industry in Longwood, Fla.

1980

Donna Bertram (BSN) received the Marguerite Rodgers Kinney Award for a Distinguished Career from the American Association of Critical-Care Nurses. She also received the Organizational Innovation Award at the American Organization of Nurse Executives' annual conference. Bertram is an adjunct faculty member in the College of Nursing at UT Arlington. **George Chaggaris** (BBA, Economics) was elected to a three-year term on the board of the Texas Bankers Association. He is president and CEO of Fort Worth's Riverbend Bank. **James Khalil** (BS, Electrical Engineering) is president of International Consulting Engineering in Delray Beach, Fla. **Mark O. Terry** (BA, History/Elementary Education) is president-elect of the Board of Directors of the National Association of Elementary School Principals. He is principal at Eubanks Intermediate School in Southlake and has served on the NAESP board since 2007.

1981

Rick Holden (BA, Political Science) is Cleburne city manager. He previously served as acting city manager and has worked in city management in Haltom City and Stamford. **J. Lee Whittington** ('81 MBA; '97 PhD, Business Administration) was one of four University of Dallas faculty named Haggerty Fellows during May commencement ceremonies. Dr. Whittington is a professor of management at UD.

1982

Patti Soch (BBA, Accounting) oversees all accounting, contracting, facilities, and HR functions as vice president of finance and operations at Gazzang, a cloud infrastructure software company based in Austin.

1984

Mark Henry (BA, Physical Education/History) is superintendent of schools for the Cypress-Fairbanks Independent School District in Houston. **Sandra Lowry Reeves** (BBA, Finance) is vice president of treasury services for Texas Health Resources. She is a certified treasury professional and fellow of the American Academy of Healthcare Executives.

1985

Barbara Alderete (MSSW) is manager of the Texas Health Springwood Center in Southlake. **Charles W. Schmitt** (BBA, Marketing) is head of SSAB's Americas Business Area in Lisle, Ill. SSAB deals in value-added, high-strength steel.

1986

Thaddeus Arroyo (BS, Mathematics) is chief information officer for AT&T Services in Dallas. **Paresh Naran** (BS, Biology) owns and operates Naran Family Dentistry in Raleigh, N.C. Dr. Naran has been in practice there since 1994. **Steve Rooney** (BS, Architecture) has joined Bread Loaf Corp. in Middlebury, Vt., and is working on the design team for the Hypertherm expansion project in Lebanon, N.H.

1988

Jaime Ayala (BA, Speech) is assistant chief for the field operation bureau at the Arlington Police Department. He is the first Hispanic assistant chief in the department's history. **Charles Duke** (PhD, Business Administration) was named Educator of the Year by the Marketing Educators' Association. He is a professor of marketing at Clemson University. **Anthony Odiorne** (BBA, Finance) was appointed to the Task Force on Indigent Defense by Gov. Rick Perry. Odiorne is an assistant public defender at West Texas Public Defender for Capital Cases in Lubbock County. **Kenneth Zuercher** ('88 BA, German; '04 MA, '09 PhD, Linguistics) is assistant professor of advising and academic development at Zayed University in the United Arab Emirates.

1990

John F. Dixon (MSN) is vice president of medicine and cardiovascular services for Baylor University Medical Center at Dallas. He is an adjunct graduate faculty member at UT Arlington and plans to complete his doctorate in nursing here in December.

1991

Sime Bertolet ('91 BA, Communication; '04 MA, History) is executive director of the Historical Society of Berks County in Reading, Pa. **Tracey Cross** (BA, Speech) is principal at Short Elementary School in Arlington. **Daniela Decell** (MSN) is chief executive officer at Las Colinas Medical Center in Irving. **Ken Peach** (BM) is supervisor of music for the Cedar Hill Independent School District.

1992

Wes Bement (BBA, Management) earned two first-place awards during the 2011 Texas Commercial Motor Vehicle Enforcement Challenge. A Grand Prairie police officer, he took first place in the municipal officers category and in the passenger bus category. **Maria Antonia "Toni" Medellin** (BA, History) is an attorney in Denton.

1993

Blake Calhoun (BA, Broadcast Communication) has been directing Web series projects in Dallas. He directed *Pink, Exposed, Continuum,* and *Spilt Milk*, which all can be seen on the Internet (facebook.com/ContinuumTV). **Daniel Gallagher** (BS, Political Science) is principal at Butler Elementary School in Arlington. **Mary Jacoby** (BBA, Marketing) is business development officer for the region south of Lake Lewisville for the Denton-Area Teachers Credit Union (DATCU). **Troy Langston** ('93 BA, Anthropology; '07 MEd) is principal at the Texas Academy of Biomedical Sciences in Fort Worth. **Lei Testa** (BBA, Accounting) has been elected to a three-year term on the executive committee of the Texas Society of Certified Public Accountants. She is executive director at Texas Oncology and past president of the Fort Worth chapter of TSCPA. **David Trimble** ('93 BA, Exercise and Sport Studies; '99 MEd) is an assistant principal at North Side High School in Fort Worth.

1994

Suzanne Baldon (MA, Anthropology) is a criminal justice and forensic science instructor at the McLennan Community College Emergency Services Education Center in Waco. She is one of a handful of Texas forensic artists who work with the Texas Department of Public Safety. **Herbert Beckwith** (MS, Accounting) received the College of Business Alumni Award for Outstanding Career Achievement at the executive dinner in April. He is chief financial officer and senior vice president of finance and international operations for Justin Brands and is based in Fort Worth. **Randon Lane** (BA, Interdisciplinary Studies) is mayor of Murrieta, Calif. **Elizabeth Caufield Seay** (BM) teaches elementary music, kindergarten through fourth grade, in Rockwall.

1995

Brad Bonebrake (BM) is director of bands at Summit High School in Mansfield. **Michaela Cromar** (MPA, Professional Accounting) is a senior tax manager at Sanford, Baumeister & Frazier PLLC, an accounting firm based in Fort Worth. **Vickie Hance McMurry** (MSSW) is program director of the guardianship program at Health Services of North Texas in Denton. **Donnie Snow** (BA, Journalism) received a juris doctorate from the University of Memphis Cecil C. Humphreys School of Law in May.

1996

Joseph Bohanon ('96 BSW, '97 MSSW) has been named president of Pawnee Nation College in Pawnee, Okla. **Blair Chan** (BA, Psychology) has joined the family law department at Williams Schifino Mangione & Steady PA in Tampa, Fla. He also is a Florida Supreme Court certified family law mediator. **Shahbaz Tahamzadeh** (BS, Computer Science Engineering) is a program manager at Microsoft Corp.

1997

Karen L. Farmer (BS, Archi-

Notable

O.J. KEMP

Kemp ('80 BA, Physical Education/English) is athletic director for the Arlington Independent School District. She is the first woman and first African-American in that post. Previously, she was an assistant athletic director, principal, assistant principal, and girls basketball coach in the Arlington ISD.

BETSY PRICE

Price ('72 BS, Biology) was elected mayor of Fort Worth in June after serving 10 years as Tarrant County tax assessor. Before being elected to office, she owned Price Cornelius Title Service.

JOSE ALEJANDRO

Alejandro ('98 BSN) was named a fellow of the American College of Healthcare Executives. He is senior regional director of case management for the east region of Kindred Healthcare.

RAJA BALA

Bala ('87 BS, Electrical Engineering) received his 75th patent in July. He is a principal scientist conducting research and development in digital color imaging with Xerox Corp. in Webster, N.Y., working there since 1993. His research and inventions have been incorporated into several leading Xerox color products.

tecture) is an associate at Corgan Associates, an architectural and interior design firm based in Dallas. Her work with the aviation team has included projects at several major airports, both in the United States and internationally. **Robert Grovenstein** (MS, Real Estate) is an operating partner at JLB Partners, a realty development and management company with offices in Irving. **Terry Morawski** (BA, Journalism) is assistant superintendent for communications and marketing in the Mansfield Independent School District.

1998

Drew Lowen ('98 BA, History; '04 MEd) is an assistant principal at Helbing Elementary School in Fort Worth. **Scott Martin** (BS, Biology) oversees Texas Health Springwood Center facilities in Allen, Arlington, and Azle.

1999

Reggie Brown (BA, Speech) is an assistant basketball coach at Texas Christian University after spending the last two seasons in a similar role at Southern Methodist University. **Elizabeth Hostin** (Principal Certificate) is principal at Linda Jobe Middle School in Mansfield. She had been principal at Martha Reid Elementary School in Mansfield since 2004. **Amy Nichols** (BA, Journalism) is an account executive for Traveling Coaches, a Dallas-based training, application configuration, and user adoption consulting partner to law firms and corporate legal departments. **Beth Ann Woodard** (MEd) is principal at Little Elementary School in Arlington.

2000

Matt Brown (BM) is principal at Remynse Elementary School in Arlington. **Darin Cash** (BM) is professor of trombone and brass coordinator at Georgia State University. **Whoa Dill** (BA, Exercise and Sport Studies/Exercise Science) guided the Navarro College baseball team to the National Junior College Athletic Association Division I championship in June. He is in his fifth year as head baseball coach at Navarro. **Julie McAvoy** (MEd) received the TEPSA (Texas Elementary Principals and Supervisors Association) Principal of the Year award for District 11. She is a principal in the Hurst-Euless-Bedford Independent School District. **Alicia Rodriguez** ('00 BA, English; '08 MEd) is principal at Thornton Elementary School in Arlington.

2001

Kyna Eastlick (MEd) is principal at Brown Elementary School in Mansfield. **Joe Gumm** (BA, Broadcast Communication) is morning anchor for KOKH-TV in Oklahoma City. **Wes Lavender** (BA, Psychology) is business development director for Trigild, a San Diego firm that focuses on turnaround management of commercial real estate.

2002

Patty Ayala (MEd) is academic associate principal at Timberview High School in Mansfield. **LaKesha Drinks** (BBA, Management) is principal at Becker Elementary School in Austin. **Sharon Ikeler** (MSN) is chief nursing officer for Plaza Medical Center of Fort Worth. **Karen Marx** (BA, Kinesiology) was named 2011-12 Teacher of the Year by the Dallas Independent School District. A geometry teacher at North Dallas High School, she received a cash award of $5,000. **Agbai "George" Agwu Nnanna** (PhD, Mechanical Engineering) was appointed to the Francis and Elsie Meyer Professorship for Purdue University Calumet's Water Institute, which he directs. He also is a professor of mechanical engineering and holds a courtesy professor appointment in the School of Mechanical Engineering at Purdue's West Lafayette campus. **Mark A. Robinson** (MEd) is principal at Hudson Bend Middle School in the Lake Travis Independent School District in Austin. **Kelvin Stroy** (Education Certificate) is principal at Workman Junior High School in Arlington. **Callie Thompson** (MEd) is an assistant principal at Waverly Park Elementary School in Fort Worth.

2003

Jennifer Anderson (Principal Certification) is an assistant principal at Pope Elementary School in Arlington. **Ryan Getty** ('03 BA, '05 MA, Criminal Justice) is an assistant professor in the Criminal Justice Program at Tarleton State University. **Suraj Patil** ('03 MS, Electrical Engineering; '10 PhD, Materials Science and Engineering) is principal engineer, working in the thin films group, for Advanced Module Technology Development in the Greater New York City area. **T.J. Rucker** (Education Certificate) is principal at the Compass Center in the Jacksonville (Texas) Independent School District. **Matt Stiles** (BA, Journalism) was profiled in *New York Magazine* as one of "21 New Media Innovators." The former *Shorthorn* editor helped create several data-driven news applications at the nonprofit *Texas Tribune*. Since May, he has been a data journalist on NPR's StateImpact project, which sends a team of reporters to delve into public policy issues.

2004

Hashem Assadullahi (BM) is director of jazz studies at Mahidol University in Bangkok, Thailand. **Vernessa Bowie** (MEd) splits time as an assistant principal at Briscoe Elementary and Howell Elementary schools in Fort Worth. **Piper Elam** (MBA, Cohort Business Administration) is vice president and market leader for First Financial Bank in Crowley. **Sam Nix** (BA, History) is principal at Carter Junior High School in Arlington. **Lauren Elizabeth Sheets Prater** (MSSW) received a juris doctorate from the University of Memphis Cecil C. Humphreys School of Law in May. **Shaylea Tave** (BAIS, Education Interdisciplinary) is an assistant principal at Knox Elementary School in Arlington. **Sheng Thao** (BM) is assistant director of bands at Gorzycki Middle School in the Austin Independent School District. **Jason Treadway** (MS, Materials Science and Engineering) is the lead applied science educator for the Dallas Museum of Nature and Science.

2005

Valerie Bruce (MEd) is an assistant principal at North Side High School in Fort Worth. **Raquel Daisy** ('05 BA, Broadcast Communication; '07 MA, Communication) is communications specialist for North Texas Specialty Physicians in Fort Worth. **Mike Foreman** ('05 BBA, Management; '10 MPA, Public and Urban Administration) is city manager in Celina, Texas. **Mia Hall** (MEd, Educational Administration) received the Bold Award from Girls Inc. The award goes to a woman in the community for being an exceptional role model. She is principal at Young Women's Leadership Academy in Fort Worth. **Kendall Hasse** (MEd) is an assistant principal at Worley Middle School in Mansfield. **Kateryna Ivanova** (BA, Russian; BS, Biology) is doing psychiatry residency training at the Cleveland Clinic in Cleveland, Ohio, after receiving her M.D. from the University of North Texas Health Science Center. **Wendell Joubert** (MEd) is an assistant principal at Timberview Middle School in Mansfield. **Deborah Mabry** (MEd) received the TEPSA (Texas Elementary Principals and Supervisors Association) Assistant Principal of the Year award for District 11. She is an assistant principal in the Mansfield Independent School District. **LaJoy McCoy** (MEd) is an assistant principal at Pate Elementary School in Fort Worth. **Leeann Michalak-Bartee** (MEd) is principal at Monnig Middle School in Fort Worth. **Jim Ragsdale** (BM) is assistant director of bands at Alamo Heights High School in San Antonio. **Will Townsley** ('05 BM, '08 MM) is an adjunct professor of saxophone at UT Arlington.

2006

Valorie Bedford (MEd) is principal at Waverly Park Elementary School in Fort Worth. **Lori Donovan** (MSN) was named chief nursing officer at Texas Health Arlington Memorial Hospital in July after serving as interim chief since April. **Grant Harrell** (MBA, Business Administration) received the College of Business Alumni Award for Outstanding Early Career Achievement at the executive dinner in April. He is chief executive officer for Silico, a Texas-based cleantech company.

2007

Kendra Bowen (MA, Criminal Justice and Criminology; MSSW) is an assistant professor in the Criminal Justice Program at Tarleton State University. **Carolyn Cerda** (BA, Broadcast Communication) is a bureau chief/multimedia journalist for KTBS-TV in Shreveport, La. **LaTres Cole** (MEd) is an assistant principal at Logan Elementary School in Fort Worth. **Joshua Delich** (MEd) is principal at Riverside Middle School in Fort Worth. **Mary Lara** (Education Certificate) is an assistant principal at Success High School in Fort Worth. **Robert Rivera** (BA, Political Science) was elected to the Board of Directors of the National Association of Latino Elected and Appointed Officials in June. He has been a member of the Arlington City Council since 2005. **Logan Rucker** (BM) performed in *The Mikado* at Bass Hall in the Fort Worth Opera Festival, May 14-June 5.

2008

Daniel Armbruster (BA, Broadcast Communication) is a reporter/anchor for KBTX-TV in Bryan/College Station. Previously, he worked at KXII in Sherman. **April Beltran** (MEd) is an assistant principal at William James Middle School in Fort Worth. **Jesse Enderle** (BM) performed in *The Mikado* at Bass Hall in the Fort Worth Opera Festival, May 14-June 5. **Anna Gann** (MA, Teaching English to Speakers of Other Languages) is an assistant professor of ESOL at Austin Community College in Austin. **Chloe Lemelle** ('08 MS, Psychology; '10 PhD, Experimental Psychology) was named to the executive consulting team at Batrus Hollweg International, a talent management consulting firm in Plano.

2009

Alex Alphonse (MS, Materials Science and Engineering) is an application and sales engineer for Nano-Master in Austin, manufacturer of high-tech specialty semiconductor products. **Jessica Carrillo** (BA, Broadcast Communication/Spanish) is co-host and producer for the entertainment show *Acceso Total*, where she works with host Victor Cordero for Telemundo in Los Angeles. **Lisa Hees** (BA, Art and Art History) is director of McKinney Avenue Contemporary, a performing and visual art space in Dallas. **Vikas Nandwana** (PhD, Materials Science and Engineering) is a postdoctorate research fellow in the Energy Frontier Research Center at the University of Massachusetts Amherst. **Irma Natoli** (MEd) is an assistant principal at Carter-Riverside High School in Fort Worth. **Tommy Orellana** (BA, Broadcast Communication) is director/tech director on the morning show for KUVN-TV in Dallas. **John Stutler** (MA, Teaching English to Speakers of Other Languages) teaches Spanish in the Cooper (Texas) Independent School District. He also is a dual-credit Spanish instructor at Paris Junior College.

2010

Sean Bolton (BA, Communication Technology) is a database programmer focusing on data mining for Ulterra Drilling Technologies, based in Fort Worth. **Pam Brown** (Education Certificate) is dean of instruction for Adams Middle School in Grand Prairie. **Yinsheng Fang** (MS, Materials Science and Engineering) is doing research on photocatalysis at Nanjing Beilida Industry Co., which specializes in decorative gardening products and artistic sculpture, in Nanjing, China. **Sarah Macias** (BA, Broadcast Communication) is a producer and editor at KXII-TV in Sherman. **David Muñoz** (MEd) is an assistant principal at Trimble Technical High School in Fort Worth. **Prashanth Ramesh** (MEngr, Materials Science and Engineering) is a senior chemical engineer with Foamex Innovations (FXI), a developer in foam technology in Seattle. **Diana Rojas** (BA, Broadcast Communication) covered the Dallas Mavericks for Radio Cadena Nacional, Colombia's national radio and television station. **Alexis Spears** (BA, Broadcast Communication) is a reporter at WOAY-TV in Beckley, W.Va. **Ramkumar Subramanian** (PhD, Materials Science and Engineering) is a senior research scientist for Matheson Tri Gas, a supplier of gases and gas handling equipment based in Longmont, Colo. **Arunya Suresh** (MS, Materials Science and Engineering) is a product engineer/tribologist for NanoMech, which designs materials at nano scale and is based in Springdale, Ark.

2011

Samantha Brittenham (MEd) is an assistant principal at Forest Oak Middle School in Fort Worth. **Martin Cardenas** (BA, Mathematics) was selected to participate as a National Science Foundation Robert Noyce Teacher Scholar in the American Association for the Advancement of Science annual conference in Washington, D.C., in July. **Kayla Danielle Crooks** (MSSW) works with autistic children for Mental Health Mental Retardation of Tarrant County. **Maria de la Torre** (BA, Broadcast Communication/Public Relations) is attending graduate school at the University of Colorado. **Andrew Farr** (MEd) is an assistant principal at Monnig Middle School in Fort Worth. **Matthew G. Fisher** (MA, Communication Speech) is communications manager for multimedia with the American Heart Association. **Adam Gray** (MEd) splits time as an assistant principal at Hedrick and Peter's Colony elementary schools in Lewisville. **Stacie Humbles** (MEd) is an assistant principal at Butler Elementary School in Arlington. **Rebekah Karth** (BA, Public Relations) received the UT Arlington Honors College 2011-12 Bridge to Graduate School Fellowship in recognition of academic excellence. She began graduate studies in the Department of Communication in August. **Ben Kirk** (MEd) is an assistant principal at Hughes Springs Elementary School in Hughes Springs, Texas. **Elena Lopez** (Education Certificate) is an assistant principal at Pope Elementary School in Arlington.

Briefly

TOPPING OUT

The Architecture Alumni Chapter hosted its eighth annual Topping Out dinner and awards program in October at the Frontiers of Flight Museum in Dallas. The networking event brings together industry leaders from the building profession to recognize the teams that create outstanding built environments in the Dallas-Fort Worth area. Proceeds benefit the Arc of Dallas and the School of Architecture. For chapter information, visit utaalumni.org.

DRIVE IN STYLE

Increase your horsepower with UT Arlington's new Texas license plate. Offered through the Texas Department of Motor Vehicles, the colorful tags are an ideal way to support deserving Mavericks. The cost of the plates varies—starting at less than $30 a year—and a percentage of the sale from each plate benefits student scholarships. Order yours today at myplates.com/go/uta.

SHOW YOUR COLORS

Looking for ways to express your Maverick pride? Check out UT Arlington's one-stop online shopping mall for hundreds of shirts, caps, outerwear, accessories, and other merchandise. The website includes links to the Alumni Association store, UT Arlington Bookstore, athletics store, Planetarium gift shop, and more. Go to uta.edu/shoponline.

START A CHAPTER

For information on starting an alumni chapter, contact the Alumni Association at 817-272-2594 or uta_alumni@uta.edu. To see a list of chapters, visit utaalumni.org/alumnigroups.

JAMES W. CALLICUTT
A 40-year faculty member, James Callicutt died Sept. 15 in Arlington. He was 83. Dr. Callicutt was a professor emeritus of the School of Social Work and a founding member of what was then the Graduate School of Social Work in 1968. He led efforts to win accreditation for the school in 1970. An assistant dean and associate dean, he served as interim dean three times before retiring in 2008. He was named a pioneer by the National Association of Social Workers and served on numerous committees and agency boards.

DONALD DWIGHT SEATH
Longtime aerospace engineering Professor Don Seath died May 3 in Fort Worth. He was 79. Dr. Seath was a professor at UT Arlington for 45 years, serving as chair of the Department of Mechanical and Aerospace Engineering for 11 years. He was an instructor at Iowa State University and worked for General Dynamics in Fort Worth before taking the faculty position at Arlington State College (now UT Arlington) in 1965. His research included low-speed aerodynamic analysis and wind tunnel testing, analysis of flight vehicles, and wind energy conversion systems rotor analysis and testing.

In Memoriam

1940s

H.B. Wofford Jr. ('47 AA, Engineering), 85, June 23 in Irving. Mr. Wofford worked as a registered professional engineer for 40 years, retiring in 1988. **William R. Anderson Jr.** ('48 AA, General Studies), 82, April 11 in Cleburne. Mr. Anderson was an attorney in Cleburne for 37 years. In 1993 he was elected the first judge of Johnson County Court at Law No. 2. He retired from the bench in 2006. He served as president of the Cleburne Chamber of Commerce and the Cleburne school board.

1950s

Milton Ray Kelley ('51 AS, General Studies), 79, March 26 in Mount Vernon, Texas. Mr. Kelley was a key developer of the residential care program in Texas, building facilities in Mount Pleasant, Harlingen, Corpus Christi, Lubbock, Tyler, and Mount Vernon.

1960s

James Edwin McDowell ('61 BBA, Business Administration), 77, April 10 in Arlington. Mr. McDowell was a member of the first graduating class after Arlington State College (now UT Arlington) became a four-year school. He was an executive with ElectroCom in the industrial engineering field until his retirement in 1994. He joined ElectroCom (then LTV and E-Systems) in 1961. He served on the alumni board for UT Arlington in its early days as a four-year university. **Kenneth Gerald Musick** ('63 BS, Civil Engineering), 74, Jan. 10 in Benbrook. Mr. Musick worked for the Federal Aviation Administration Airports Division, where two of his projects were the Granbury and Alliance airports. After retiring from the FAA, he worked for Freese and Nichols engineering consultants. **T. David Skinner** ('63 BBA, Business Administration), 70, April 1 in Arlington. Mr. Skinner was a member of the football team at Arlington State College (now UT Arlington). While in the real estate business, he developed numerous subdivisions in Arlington and Fort Worth. **Charles R. Teneyck** ('64 BS, Civil Engineering), 73, April 7 in Attleboro, Mass. Mr. Teneyck was a civil engineer at I.C.O. Systems in Cambridge, Mass., until his retirement in 2001.

1970s

Jerry Paul Doan ('70 BA, Mathematics), 63, March 23 in Arlington. Mr. Doan spent his career in government service, retiring from the General Services Administration in 2003. **Billy Wade Barnes** ('73 BA, Political Science), 65, June 7 in Arlington. Mr. Barnes was a fleet manager in car sales in the Fort Worth-Dallas area since 1973. **David Flores** ('74 BA, History), 60, May 21 in Fort Worth. Mr. Flores was an attorney in Fort Worth. He held many civic offices in Tarrant County, including president of the Hispanic Chamber of Commerce. **Deborah Elam** ('75 BSN), 58, April 18 in Fort Worth. Ms. Elam was a certified critical care nurse. A neurospecialist, she worked at Arlington Memorial Hospital and at St. Joseph's Hospital and Plaza Medical Center in Fort Worth. **Eugene Joe Yen** ('76 BBA, Accounting), 62, July 6 in Pleasanton, Calif. Mr. Yen worked for many years as an accountant for Safeway before spending his final working years at Kaiser Permanente. **Alfred W. Vincent Jr.** ('77 BBA, Business Administration), 79, Jan. 1 in Grapevine. Mr. Vincent returned to college to get his degree after retiring from the Air Force with the rank of major following 23 years of service. **Scott Russell Davidson** ('78 BBA, Real Estate), 54, April 1 in Mansfield. Mr. Davidson owned Scott Davidson Realtors in Arlington. He rode with the Tarrant County Sheriff's Posse, an ambassador group for the Sheriff's Department, and sang with the Turtle Creek Chorale and Resounding Harmony. **Gary Wayne Ferguson** ('79 BBA, Management), 57, March 27 in Fort Worth. Mr. Ferguson worked at Texas Steel Foundry for 25 years before he purchased and operated C&L Aluminum Foundry in Fort Worth.

1980s

Dolores "Dee" Ann Keller ('80 BSN), 86, April 21 in Arlington. Ms. Keller received her nursing degree at age 55. She worked as a school nurse and in psychiatric nursing. She helped in the 2005 fire disaster at the Texas City refinery and assisted with Food Pantry, Meals on Wheels, and Women's Crisis Center. **Elise Connell Leahy** ('82 MA, English), 85, May 10 in Maplewood, N.J. Ms. Leahy worked in public libraries in Elk Grove Village, Ill., and Irving, Texas. **Jonathan McRaney** ('85 BS, Computer Science Engineering), 50, April 28 in Coppell. Mr. McRaney was a software engineer for various companies, including Eastman Kodak and most recently Accent on Integration. **Larry Dan Gossett** ('86 MBA, Business Administration), 63, March 28 in Arlington. Dr. Gossett was a senior lecturer of marketing in the College of Business at UT Arlington, joining the faculty in 2002. Previously, he was a visiting assistant professor at the University of California, Riverside and at William Paterson University in Wayne, N.J., as well as a faculty associate at Arizona State University.

1990s

Lisa Gilbert Cash ('91 BA, Communication Speech/Elementary Education), 43, May 28 in White Oak, Texas. Ms. Cash taught 13 years in the Grand Prairie Independent School District and six years in the Gladewater ISD. She was a lifetime member of Tri Delta sorority.

2000s

Gene David Wheelbarger ('03 BS, Computer Science Engineering), 29, June 21 in Crowley. Mr. Wheelbarger worked at XTO Energy, All Systems Inc., and PSC Motorsports. **Debra Jean McNeill** ('04 MSN), 43, April 15 in Fort Worth. Ms. McNeill worked for Medical City in Dallas before joining the T&R Clinic in Haltom City. **Robert F. Welch III** ('08 BA, Interdisciplinary Studies), 26, April 3 in Afghanistan. First Lt. Welch was an ordnance officer in Company B, 201st Brigade Support Battalion in the U.S. Army 1st Infantry Division. Among his honors were the Bronze Star and Purple Heart, both awarded posthumously.

Faculty and Staff

John Harold "Hal" Box, 81, May 8 in Austin. Mr. Box's career at UT Arlington began in 1970, when he was chosen to lead the new Department of Architecture. When the School of Architecture was approved two years later, he was named dean, serving until 1976. He left UT Arlington to become dean of architecture at UT Austin. **Irving Owen Dawson**, 83, May 8 in Arlington. Dr. Dawson taught in the Department of Political Science at UT Arlington from 1977-93, serving as chair for 12 years. He was named professor emeritus in 2001. He also taught at Lamar, Texas Wesleyan, and Texas Christian universities and was a consultant for the U.S. Department of Labor and the U.S. Civil Service Commission in Washington, D.C., under President Lyndon B. Johnson. **Peggie Mazziotta**, 83, April 25 in Dallas. Ms. Mazziotta was a staff photographer at UT Arlington from 1973-92. She previously worked for the *Louisville* (Ky.) *Courier-Journal*, *Star-Telegram*, *The Dallas Morning News*, and the *Dallas Times Herald*. **J. Roy Moses Jr.**, 83, May 5 in Kerrville. Mr. Moses taught speech and English from 1968-72 at UT Arlington and served as an adviser for *The Shorthorn*.

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Past Protest against Texas A&M System, 1964

Before joining The University of Texas System in 1965, UT Arlington was part of the Texas A&M System. In the early 1960s, a rift developed between University supporters and the A&M System board of directors over the Arlington school's future. In 1964 the board presented a reorganization plan that proposed changing the name of Arlington State College, as UT Arlington was called then, to Texas A&M University at Arlington. Other recommendations included establishing graduate degree programs in 11 fields but granting those degrees in the name of the College Station campus. The plan outraged University supporters and spawned student protests on campus. A turning point came in 1965 when Texas Gov. John Connally announced plans to revamp the state's higher education structure. Under his proposal, Arlington State College would become part of the UT System. Later that year, the switch became reality as both houses of the Legislature passed a bill introduced by Sen. Don Kennard of Fort Worth. Two years after joining the UT System, the college changed its name to The University of Texas at Arlington. *Photograph courtesy of The University of Texas at Arlington Photographic Collection, Special Collections, UT Arlington Library.*