UT Arlington

THE UNIVERSITY OF TEXAS AT ARLINGTON MAGAZINE | SPRING 2013

Nano Defenders

UT Arlington researchers are developing tiny technology to strengthen homeland security.
TRUCK STOP
The food-truck craze rolled onto campus during the spring semester. Parked on the Central Library mall, the mobile meal providers offered Korean barbecue, sliders, cheesesteak sandwiches, and vegetarian selections.
Features

TAMING TRAFFIC 18
UT Arlington civil engineers are merging massive amounts of data to ease congestion on North Texas roadways.

CAREER SWITCH 22
More and more people are changing careers these days. Meet a Wall Street financier turned children’s advocate as well as three other alumni who chose UT Arlington to prepare them for professions vastly different from their original ones.

DEEP IN THE HEART OF ARLINGTON 26
With its restaurants, performance venues, and budding nightlife, downtown Arlington has become a dining and entertainment destination. And UT Arlington played a major role.

SMALL-SCALE SECURITY, FULL-FORCE DEFENSE 30
Since the 9-11 attacks on New York and Washington, D.C., homeland security has taken center stage. A new research initiative aims to protect the country using nanotechnology innovations.

Columns

TALK 7
After serving in Afghanistan, Ben Carroll has found success as cadet commander of the Maverick Battalion.

CRASH COURSE 9
Theater students create demons and more in their special-effects makeup class.

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FACULTY 10
Cedrick May and Julie McCown discovered a significant piece of early African-American literature tucked away in the Yale University Library.

FUTURE 13
Aerospace engineering Professor Cheng Luo envisions a day when you can roll up your laptop like a newspaper.

GALLERY 14
The Gallery at UTA featured public art from DFW International and Love Field airports.

SPORTS 17
It didn’t take long for Serbia native and All-American Bozidar Antunovic to shatter records in the shot put.

Alumni News

TEXAS-SIZED IMPACT 34
About 127,000 alumni live in Texas and provide a stream of well-prepared employees for high-demand fields.

CHELSEA ROFF 36
After overcoming an eating disorder, Chelsea Roff ’10 is thriving as a writer and speaker in Southern California.

UNIVERSITY GIFTS 43
Last year nearly 6,500 donors made gifts and pledges to UT Arlington totaling a record $18.8 million.
Email

ONLINE RESTRAINT
I repeatedly tell my children to be careful about what they post on Facebook and Twitter, so I was delighted to read your story, “Too Much Information,” in the winter issue. I made them read it so they could understand that the information you present on social media sites can follow you to the workplace. I realize that these online communication avenues have a purpose and place, but there are also dangers involved. Thanks for bringing that to light.

RICK BRUMFELD
Houston, Texas

LIFETIME OF LEARNING
Compared to the 12-year-old wunderkind featured in the winter 2012 issue, I feel very humble. But my years at the Arlington institution have played an important role in my long life. I used my G.I. Bill funds to enroll in Arlington State College’s industrial mechanical engineering program in 1953. Present UTA students might moan when they learn that in the 1950s, tuition costs for a Texan were only $25—not per hour, but for a full schedule of classes. I received my associate degree and planned to earn a bachelor’s degree and become a high school director of distributive education. But the Divine intervened. In 1964 I graduated from Concordia Theological Seminary with a Bachelor of Divinity degree and have served 48 years as a parish pastor in four states. The practical philosophy of ASC led me by the hand to a lifetime of learning and serving. I am grateful to Arlington State College and its successor, UT Arlington.

REV. LESTER H. DUMER
Warsaw, Ill.

CATCHING UP
I was a little late reading the winter 2012 edition of the alumni publication, as I have done some traveling and enjoyed a busy holiday season. As always, though, the publication was a treat to read. It is fun to catch up with people we knew during our many years at UT Arlington and also to be introduced to the new additions. The staff of the magazine does a terrific job. Both content and style are informative, colorful, and enthusiastic. When I finish with each issue, I take it to the exercise room at the YMCA where I exercise several times a week and put it on the magazine rack for all those OU and OSU fans and alums to enjoy!

GLORIA EYRES JOHNSON
Oklahoma City, Okla.

CLOSER TO HOME
I just wanted to write in to say how much my husband and I love receiving the magazine! Some of our fondest memories are from our time as undergrads at UT Arlington, and we’re so proud to see how the school has grown and continues to grow. It’s wonderful to be able to show our kids what an awesome college their parents attended. On top of that, we just moved to Florida and we miss Arlington and Texas very much. Getting the magazine here helps us feel just a little closer to home. Thanks for putting together such a great publication.

UMMA ALI ’99
Orlando, Fla.

MAVERICK LEGACY
My daughter was Supergirl in the article (winter 2012 issue) about the students visiting sick children in the hospital. I enjoyed all the articles and especially the cover story on the UTA president. I am a UTA alumna, and our daughter transferred to UTA last semester from the University of North Texas and is loving it. It looks like great things are happening at UTA!

SHANON LYND ’91
Arlington, Texas

YOUR THOUGHTS?
Send letters to the editor to utamagazine@uta.edu, or comment on magazine content at uta.edu/utamagazine.
AARON NEVILLE
With a stirring blend of R&B and soul, Grammy-winning singer Aaron Neville entertained a College Park Center crowd in the final presentation of the 2012-13 Maverick Speakers Series. Billed as “A Night With New Orleans Music Legends,” the evening featured jazz legend Ellis Marsalis. Neville’s solo career has produced four platinum albums and a string of hits, including “Tell It Like It Is” and “Everybody Plays the Fool.” He also has recorded with his brothers, Art, Charles, and Cyril, as The Neville Brothers. Neville and Marsalis, who are both members of the Louisiana Music Hall of Fame, answered audience questions between their performances. Watch a video at youtube.com/utarlington.
Tweets

Mark Kelly, husband of former congresswoman Gabrielle Giffords, speaking to full auditorium at Univ. of Texas at Arlington. – @smervosh

Current UTA Maverick & actor @TheRobertHayes is following in the footsteps of another Maverick great, @LouDPhillips. – @taddmike

Amazing sliders from the food truck on campus! – @oomyitskaren

Best taco I've had since moving from SoCal. Grilled shrimp taco at Diggs Taco Shop. This location is at UT Arlington. – @newyscruggs

UT Arlington receives a record donation of $7.5 million to support Institute for Research Technologies. – @CityOfArlington

Great meeting @hunterpence tonight. Nice guy and he’s proud to be a Maverick! – @JoshSours

Woop. Got accepted into UT Arlington. – @mellomarshes

Just submitted my application to transfer to UT Arlington. Working toward a better life for me. – @dummytree23

UT Arlington upsets No. 14 Oklahoma 6-1. – @dibaseball

“We do not inherit the earth from our ancestors. We borrow it from our children.” #jeffcorwin #UTA #maverickspeakers – @raptorwheeze

Thank you, Dr. Wayne Duehn of The University of Texas at Arlington for sharing your wisdom with our caregivers at the conference! – @FloridaFAPA

Just saw UT Arlington’s campus for the first time. #MaverickCountry – @XtinaXquire

I very much approve of the UT Arlington cheerleading squad. – @kramdawgsean

I got accepted to The University of Texas at Arlington!! Thank you Jesus! – @Serge_Santos

What a great weekend honoring my friend Clay Gould as he gets into UTA Hall of Honor! – @drt1434

Starting my journey to obtain my master’s from @utarlington! – @Ordaz4kids

On campus at my alma mater...UT Arlington. – @futureRT_tobi

I think UT Arlington is gonna be my school. Can’t wait for Texas. – @SyncclareMarie

Congrats to @MoneyLOOK-Good graduating from the University of Texas at Arlington this morning w/her bachel- elor’s in business! I’m proud of you! – @KJ_TheShow

It’s gonna be a sad day when Twitter finally finds out how to delete spam & only 50 of us or so remain. I’m not spam, just a huge UTA fan! – @utamavsfan

Got the most important acceptance letter, my #1 school!) UT ARLINGTON! – @SelenaDayz

What a great weekend honoring my friend Clay Gould as he gets into UTA Hall of Honor! – @drt1434

Starting my journey to obtain my master’s from @utarlington! – @Ordaz4kids

On campus at my alma mater...UT Arlington. – @futureRT_tobi

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Got the most important acceptance letter, my #1 school!) UT ARLINGTON! – @SelenaDayz

LET'S SOCIALIZE

Check us out online and on your favorite social media sites. We welcome your comments, posts, tweets, and photographs.

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.

linkedin.com/in/utamagazine
Link in and tell us about your career achievements.

Flickr

BACKSTAGE PASS
Aided by mirrors and makeup, students transformed themselves into characters while crewmembers prepared the set for a spring production of Fiddler on the Roof. The Maverick Theatre Company teamed with the Music Department to present the Tony Award-winning musical about Tevye, a poor dairyman with five daughters, who tries to protect his family and Jewish traditions from outside influences. For information on upcoming theater productions, visit uta.edu/theatre. See more behind-the-scenes Fiddler on the Roof photographs at flickr.com/photos/utamagazine.

MAVERICKS BASKETBALL
I love all this love everyone is showin’ the UTA men’s basketball team! #MavsUp #Buckem #Mavericks #UTA – @ChrisForShort

Congrats to the @UTAMAVS on a great season. You guys have a great coach in Scott Cross and will do well in the #Sunbelt next season. – @Stephen_Speaks

Thank you @CameroonCatlett, @jordanreves55, Kevin Butler, and @grusznic for everything you guys have done for our school! – @Scott_No_Stone

Watching the @UTAMAVS with a bunch of Mavs fans at Mavericks. Every TV is on the UT Arlington game! #BuckEm – @UTAAAlumni

UTA hosting Oral Roberts Wednesday night in CIT Tournament at the lovely College Park Center. – @aandro

Here we go Texans, maybe 20 minutes left in basketball season. We are all Mavericks. #UTA – @AubreyBloom247

Wishing best of luck 2 @CoachScottCross & the UTA Mavericks. Great staff, great team. Country needs 2 see them in the tourney. #toughguys – @MatthewJMckay

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Focused on the Future

Next president says UT Arlington must continue shaping a new model for excellence

Vistasp M. Karbhari believes UT Arlington possesses unique strengths that will provide opportunities to scale new heights. He’ll begin leading the climb June 1 when he becomes the University’s eighth president. “UT Arlington stands poised to take the next step toward Tier One status and, more importantly, toward being a model 21st-century urban university, a shining example for others to follow,” Dr. Karbhari says.

After a national search, the UT System Board of Regents named Karbhari the sole presidential finalist in February and officially appointed him president in March. He will succeed James D. Spaniolo, who has served as UT Arlington’s president since February 2004.

KARBHARI is currently the provost and executive vice president for academic affairs at the University of Alabama in Huntsville. In that role, he helped increase sponsored research expenditures, established a student success center, and oversaw the addition of more than a dozen academic programs. Previously he served as professor and vice chairman of the Structural Engineering Department at the University of California, San Diego.

A noted researcher and scholar, Karbhari is an expert in the processing and mechanics of composites and has authored or co-authored more than 460 papers in journals and conference proceedings and edited or co-edited four books. He earned his bachelor’s and master’s degrees at the University of Poona in India and his Ph.D. at the University of Delaware.

“Extraordinary leadership is crucial for our institutions, and the innovative environment at UT Arlington calls for an effective and visionary leader,” UT System Chancellor Francisco G. Cigarroa says. “Dr. Karbhari is extremely well suited to lead UT Arlington.”

During a two-day campus visit in February, Karbhari and his wife, Lisa, met with senior administrators, deans, faculty, staff, student leaders, alumni, and community members. The visit, the first of several this spring, included a town hall meeting in which he praised the University’s research and teaching excellence. “UT Arlington has a strong and compelling story, one that needs to be communicated far and wide. It’s a story that I’m not only anxious to tell but to continue nurturing and building,” he says. “Together we will become a world-class institution, a preeminent place for intellectual pursuits, and a driver of positive change.”

“UT Arlington stands poised to take the next step toward Tier One status and, more importantly, toward being a model 21st-century urban university.”

A respected scholar and experienced administrator, Dr. Vistasp M. Karbhari begins June 1 as UT Arlington’s eighth president.
Why did you decide to join the Army?
It was when 9/11 happened. Not to be too hard on myself, but I was pretty much useless around that time. I was at a community college, studying theater mostly because my friends were doing it. I was failing classes, and in general I just wasn't taking anything very seriously. A few days after 9/11, my brother and I agreed that if we liked President Bush's stance on how to respond, we'd go help. That was pretty much it.

So you went from aimless community college student to a high-ranking, high-achieving officer candidate at UT Arlington.

When I was stationed in Germany, it was the first time I was completely on my own. And I started to excel. It was like a snowball of confidence because I went from thinking, “I never finish, I have no follow-through,” to thinking, “I can be good, I am good.” I kind of got addicted to that feeling of achievement. Now that I’m here, it’s all focus. There are things I want to do that I don’t know how to do yet, and I’m here to learn them.

What’s next?
I plan to retire in the military, but I also want to run my own business. My father was an entrepreneur, and that just makes sense to me. I want to control my own destiny while contributing to the economy and society.
Awards

PRISCILA CAÇOLA
Kinesiology Assistant Professor Priscila Caçola has received the Lolas E. Halverson Motor Development Young Investigator Award from the National Association for Sport and Physical Education. The award recognizes outstanding contributions to research.

LEISA MARTIN
The National Association of Professors of Middle Level Education has named Leisa Martin its 2012 Outstanding Professor of Middle Level Education. An assistant professor in the College of Education and Health Professions, Dr. Martin is one of only two U.S. faculty members to receive the recognition.

KEVIN SCHUG
Chemist Kevin Schug has received the American Chemical Society Division of Analytical Chemistry Award for Young Investigators in Separation Science. Dr. Schug is the Shimadzu Distinguished Professor of Analytical Chemistry.

BOB WOODS
The Society of Automotive Engineers International has honored mechanical engineering Professor Bob Woods with its annual Excellence in Engineering Education Award.

KHOSROW BEHBEHANI
Bioengineering Department Chairman Khosrow Behbehani has been named a fellow of the Institute of Electrical and Electronics Engineers. Dr. Behbehani was recognized for helping develop respiratory therapy devices to combat chronic pulmonary diseases.

Momentous Gift

Record $7.5 million from Shimadzu Scientific Instruments boosts innovation

A $7.5 million gift from Shimadzu Scientific Instruments will advance research in environmental testing, human disease analysis, pharmaceutical development, oil and gas exploration, and more.

The commitment is the largest philanthropic gift in UT Arlington history and supports one of the nation’s most significant installments of advanced scientific equipment. In recognition, the University has renamed the Institute for Research Technologies at UT Arlington the Shimadzu Institute for Research Technologies.

The Shimadzu Center for Advanced Analytical Chemistry, the Center for Imaging, and the Center for Environmental, Forensic, and Material Analysis compose the institute. It will house $25.2 million in equipment from Shimadzu, including instruments that will debut in the United States at UT Arlington.

“We have been pleased to find at UT Arlington kindred spirits who are committed to providing students the highest quality education possible through access to the most advanced scientific equipment,” Shimadzu President Shuzo Maruyama says. “Our technologies enable research that improves people’s lives, and we have a great passion for preparing students to be the next generation of great scientists.”

UT Arlington and Shimadzu, a world leader in scientific technology, began collaborating nearly a decade ago. In April 2012 the company donated equipment valued at nearly $3 million to establish the Shimadzu Center for Advanced Analytical Chemistry within the College of Science. A few months later the UT System Board of Regents allocated $7.5 million from the Permanent University Fund to help UT Arlington establish the Institute for Research Technologies in partnership with Shimadzu.

New business dean brings research focus

Rachel Croson says she’s eager to build on the reputation of UT Arlington’s College of Business.

“The University of Texas at Arlington is a tremendous institution with exceptional students, accomplished faculty, dedicated staff, and an impressive leadership team,” says the newly appointed dean.

“I’m looking forward to attracting new philanthropic support for the college.”

Dr. Croson, who began the position in January, most recently served as an economics professor and the Negotiations Center director at UT Dallas. She also spent the past two years as the National Science Foundation’s division director for social and economic sciences, managing eight programs and a $100 million annual budget.

Before joining UT Dallas, Croson held assistant and associate professor positions at the Wharton School of the University of Pennsylvania. She earned her bachelor’s degree in economics/philosophy of science there and her master’s and doctoral degrees in economics from Harvard University.

Much of her research centers on experimental and behavioral economics, investigating how people make economic decisions. Those fields contribute to many disciplines, including management, marketing, operations, political science, and sociology. Her work has been published in numerous journals.

INTO THE FUTURE A sold-out Texas Hall crowd heard Mark Kelly discuss America’s future and his career as an astronaut and naval aviator during his Maverick Speakers Series presentation in February. Kelly flew 39 carrier-based combat missions in Operation Desert Storm and was commander of the final voyage of the space shuttle Endeavour.

“I’m a prime example of somebody who was able to overcome a lack of aptitude with practice, persistence, and the drive to never, ever, ever give up,” he said. Kelly is married to former Arizona Congresswoman Gabrielle Giffords, who survived a 2011 assassination attempt. He and his wife recently formed Americans for Responsible Solutions to encourage elected officials to support responsible gun ownership.
From witch faces to demon horns to werewolf paws, students in Associate Professor Joseph Kongevick’s Special Effects Makeup Design class create props that bring imaginative worlds to life. Each semester about 20 students enroll in the upper-level theater arts course to learn the styles and techniques of specialty makeup applications for stage, film, and video. Kongevick teaches how to cast and mold body parts and then transform them into the prosthetics needed for special effects of all kinds—cuts, bullet holes, even cyborg faces. For their final project, students draw numbers that correspond to pictures of special effects they must duplicate. “The big thing my students learn is that you can’t rush anything,” Kongevick says. “A cast can take a day to set up, depending on the materials you’re using. Sculpting a mask takes a good deal of time. Patience is key—and that’s true for me, too. I have to relearn it each time I teach the class.”
Call them literary sleuths. English Associate Professor Cedrick May and graduate student Julie McCown recently discovered a never-before-published manuscript from one of the founders of early African-American literature. The handwritten poem by Jupiter Hammon, an 18th-century slave, called An Essay on Slavery had been boxed away in the Yale University Library archives. Dating from 1786, the work represents a major shift in the ideology that Hammon publicly advocated during his lifetime and seems to show his internal conflict over whether slavery was “God’s will” or a “dark and dismal” manmade state. Literary experts say the discovery is important because it voices a strong, direct critique of slavery and expands the few known works by enslaved African-Americans in the 1700s. “Initially, I thought this was either an incredibly elaborate hoax or a title put on something that Hammon had written earlier,” Dr. May says. “But that was not the case.” The research and the poem itself will be published in the June 2013 edition of the journal Early American Literature.
**Physicist uses both light and heat for electricity**

Physics Associate Professor Wei Chen has created a way to generate electricity that is less expensive and better for the environment than its alternatives.

Dr. Chen and his team invented a hybrid nanomaterial that converts light and thermal energy into electrical current, thus surpassing earlier methods that used either source but not both.

“If we can convert both light and heat to electricity, the potential is huge for energy production,” he says. “By increasing the number of micro-devices on a chip, this technology might offer a new and efficient platform to complement or even replace current solar cell technology.”

Chen, graduate students Santana Bala Lakshmanan and Chang Yang, and Louisiana Tech Associate Professor Long Que synthesized a combination of copper sulfide nanoparticles and single-walled carbon nanotubes, which they then used to build a prototype thermoelectric generator that they hope will produce milliwatts of power. Paired with microchips, the technology could be used in self-powering sensors, low-power electronics, and implantable biomedical micro-tools.

In lab tests, the new thin-film structure showed increases in light absorption by as much as 80 percent compared to single-walled nanotube thin-film devices alone, making it a more efficient generator. The copper sulfide is also less expensive and more environmentally friendly than the noble metals used in similar hybrids.

The journal *Nanotechnology* has published a paper on the researchers’ work.

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**Robotic rewards**

Gifts assist new high-tech health care lab

Advancing robotics to improve health care and first-responder applications is the focus of a new lab in the UT Arlington Research Institute.

Recent gifts of high-tech robots totaling more than $1 million will help the Assistive Robotics Laboratory focus on improving technology to aid nurses, navigate dangerous terrain, and much more.

RE2 Inc., a Pittsburgh-based robotics engineering firm associated with Carnegie Mellon University, gave UT Arlington a robotic nursing assistant. The mobile, manipulative device with two arms aids health care professionals with physically intensive tasks, such as helping a patient sit up or be transferred to a gurney. The device is valued at $850,000.

QinetiQ North America Inc., a Reston, Va.-based company noted for its global leadership in developing and fielding tactical ground robots, donated a Dragon Runner™ 20 model robot and funding to assist with research and development. The small, portable DR-20 device can navigate various terrain and aid in reconnaissance or first-responder scenarios. The company’s contributions are valued at $250,000.

The gifts advance the partnership between private-sector technology giants with strong ties to Defense Department research and the UT Arlington Research Institute.

“RE2 and QinetiQ North America have played critical roles in developing robots that have reduced the risks faced by our military servicemen and women,” says retired Army Lt. Gen. Rick Lynch, executive director of the Research Institute. “These technologies can be refined and adapted for myriad civilian uses and put to work to help us all live better lives.”

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**PLANT DOCTOR** Biologist Maeli Melotto hopes that by discovering the secrets of plant hormones, she can reduce chemical use in farming. Funded by a National Institutes of Health grant, the assistant professor is researching the hormone jasmonate, which, in healthy plants, helps reproductive development and growth responses. If you introduce stressors, the hormone shifts to defense-related cellular processes. However, some plant pathogens have developed ways to mimic jasmonate’s action in the cell, therefore enabling them to aggressively colonize plants without activating natural defense mechanisms. Dr. Melotto wants to determine what is responsible for the innate immunity that results in these plants. “By increasing genetic resistance, we could reduce the use of pesticides, decrease crop production costs, and promote environmentally friendly farming practices.”

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**Grants**

**FUQIANG LIU**

The National Science Foundation has awarded a $400,000 Early Career Development grant to materials science and engineering Assistant Professor Fuqiang Liu to improve the way solar energy is captured, stored, and transmitted. Dr. Liu uses semiconductors in an artificial photosynthesis process to harness power from the sun.

**LIBRARY**

The UT Arlington Library has received a collection of materials to help students, faculty, staff, and community members learn about Muslim cultures in America and around the world. The Bridging Cultures Bookshelf initiative is supported by a grant from the American Library Association and the National Endowment for the Humanities.

**HYEJIN MOON**

Mechanical engineering Assistant Professor Hyejin Moon has received a $400,000 National Science Foundation Early Career Development grant for her work with microfluidic devices. Dr. Moon’s novel approach to testing microscopic amounts of tissue and cells on microchips shows promise in improving 3D tissue and cell sample analyses.

**BAOHONG YUAN**

The National Science Foundation has awarded a $407,000 Early Career Development grant to bioengineering Assistant Professor Baohong Yuan. The funding supports Dr. Yuan’s use of light and sound to produce an image of a patient’s deep tissue.
Press

KATHRYN HOLLIDAY

JORGE RODRIGUES
Recent work by biology Assistant Professor Jorge Rodrigues was featured in Science magazine. His research has revealed a new concern about deforestation in the Amazon rainforest.

MIKE WARD
Economics Professor Mike Ward was quoted in a New York Times story about his research on whether playing violent video games affects behavior. “We found that higher rates of violent video game sales related to a decrease in crimes, especially violent crimes,” he said.

VICTORIA FARRAR-MYERS
Raycom News Network interviewed political science Professor Victoria Farrar-Myers about a polarized Congress’ attempts to avoid the budget sequestration. CBS Atlanta, Fox 5 Las Vegas, and more than 30 other RNN affiliates carried the story.

SHELLEY WIGLEY
In a syndicated story by Salary.com, the San Francisco Chronicle featured comments from communication Assistant Professor Shelley Wigley on “stealing thunder”—when people break their own bad news.

Oral history project gives veterans a voice

Military veterans have stories to tell, and UT Arlington is listening. The University recently launched Maverick Veterans’ Voices, an oral history project highlighting the experiences of veterans and their loved ones.

“There isn’t a lot of attention given to veterans’ family members as a primary source of documentation,” says Kimberly van Noort, associate dean of the College of Liberal Arts and architect of the digital humanities project. “But if we can get a soldier’s wife, widow, or adult children to talk to us about the challenges they’ve faced, then this can really be something special.”

The first veterans interviewed were the 2013 inductees into the Military Science Hall of Honor, retired Col. Archie Davis and Al Ellis. The UT Arlington Library will transcribe these and future interviews to create an online repository for scholarly research and the public.

Social work Associate Professor Alexa Smith-Osborne, who consulted on Maverick Veterans’ Voices, says the project will spotlight service members’ parents, siblings, adult children, wives, partners, and widows.

“The reality of military service is that service members’ families serve their country in a complementary fashion to the service members themselves,” Dr. Smith-Osborne says.

UT Arlington has a rich military tradition. The institution was Carlisle Military Academy from 1902-1913 and Arlington Military Academy from 1916-1917. Male students were required to participate in the Cadet Corps until 1954. Today’s Maverick Battalion has about 120 students, and more than 2,800 military veterans are currently enrolled.

Human Touch

With a $1.35 million grant, Dan Popa aims to make robots more lifelike

Imagine a human-like robot that can accurately perceive its environment and help people in need. Such technology may soon jump from the pages of science fiction into the real world. These smart robots are at the heart of a $1.35 million National Science Foundation project led by electrical engineering Associate Professor Dan Popa.

“Our goal is to make robots and robotic technology more human-like and more human-friendly,” says Dr. Popa, who leads the College of Engineering’s Next Gen Systems group. “Robotic devices need to be safe and better able to detect human intent. For example, when someone is wearing a prosthetic, we want that prosthetic to be able to determine when a baseball is being thrown at it, then catch the ball.”

Popa and his research partners believe that robots of the future will share their living spaces with humans and will wear sensor skins and clothing that can be interconnected, fitted, cleaned, repaired, and replaced.

“This research will unlock near-term and unforeseen applications of robotic skin with broad applicability, especially for home assistance, medical rehabilitation, and prosthetics,” he says.

The “smart skin” that Popa’s work employs has embedded sensors developed by electrical engineering Professors Zeynep Celik-Butler and Don Butler, as well as algorithms and data networking developed by Frank Lewis, professor of electrical engineering and the Moncrief-O’Donnell Endowed Chair. Hanson Robotics and Advanced Arm Dynamics, two North Texas-based companies, also are involved in the research.

Much of the work will take place at the UT Arlington Research Institute.

LIQUID ASSET

Discovering ways to better judge water quality is an important mission for scientists across the globe. Chemist Purnendu “Sandy” Dasgupta believes he may have discovered a device to do just that. The Jenkins Garrett Professor of Chemistry and Biochemistry and his research group invented a charge detector for ion chromatography, a device that can improve water quality testing and manufacturing methods. The components that make up organic and inorganic compounds in water carry differing levels of charged ions. Dr. Dasgupta’s patented method uses a membrane-based separation or desalting technology that detects ions in proportion to their charge and concentration.

“Water analysis is only one of the many areas where the detector will have a great impact,” he says.
They may look like brochures or magazines, but the futuristic devices unfurled before these business professionals are actually flexible laptops and cellphones. Mechanical and aerospace engineering Professor Cheng Luo believes that in the near future you’ll be able to fold your phone and put it in your pocket like a wallet or roll up your laptop like a newspaper. He is developing a process called micropunching lithography to create lightweight, low-cost, and more flexible polymer-based devices that have the potential to replace silicon-based materials commonly used in computers. The benefits extend beyond electronics. “Practical applications for these microstructures could be in everything from glucose monitoring to delivery of chemicals in treating water pipes,” Dr. Luo says. Mechanical and Aerospace Engineering Department Chairman Erian Armanios sees other possibilities. “These novel microstructures of conducting polymers could be used as sensors and actuators for engineering and biomedical applications,” he says. Micropunching lithography involves cutting and drawing. In these two operations, polymers are deformed using rigid and soft molds, respectively, creating desired channels and sidewalls that can be used for detection and delivery. Luo’s work, which has been published in the North America edition of International Innovation, has garnered three grants totaling about $700,000, including a $300,000 National Science Foundation award.
AIRPORT ART
Don’t think of your next flight delay as an inconvenience. Think of it as an opportunity to peruse fine works by some of the nation’s leading artists. Dallas/Fort Worth International Airport is home to $6 million in commissioned paintings, sculptures, and mosaic floor medallions. At Love Field in Dallas, a modernization project is transforming the airport into another place to see outstanding art. The Gallery at UTA recently hosted “Flight Deck: Public Art at DFW and Love Field” showcasing the airport displays. The exhibit featured established art as well as models of forthcoming work intended for both locations. “Public art humanizes the public space and makes it more inviting,” says art Professor Benito Huerta, who curated the exhibit. “The airport is the first impression for visitors to the Metroplex, and the art gives that impression depth as to the diversity of ideas, expression, and culture within our community.”

CLOCKWISE FROM TOP
“Early Morning Flight,” mosaic, Billy Hassell;
“Celebration,” mosaic, Beatrice Lebreton;
“Floating in Space, a Waltz,” mosaic, Jane Helslander;
“Louise,” stone, Linda and Ed Blackburn
Nanoparticle delivery helps fight lung disease

Kytau Nguyen wants to help heal damaged lungs.

The bioengineering associate professor has teamed with Connie Hsia, internal medicine professor at UT Southwestern Medical Center at Dallas, on a nanoparticle drug-delivery system that will aid lung growth and function after partial lung removal or destructive lung disease.

“The treatment introduces drugs through inhaled nanoparticles that stimulate lung growth and remodeling,” says Dr. Nguyen, who holds a joint appointment with UT Southwestern. “We are synthesizing biocompatible, biodegradable polymers that will encapsulate, or load, the drugs and release them where needed.”

The polymer that houses the drugs will degrade with time, allowing them to be released within the lung. Once the drugs are delivered via nanoparticles, the researchers will measure therapeutic response using noninvasive imaging, physiological testing, and detailed structural analysis.

Nguyen and Hsia hope their work will lead to better quality of life for people who have had part of their lungs removed.

“This research is important because currently there is no definitive cure for most destructive lung diseases except transplantation,” Dr. Hsia says. “We have shown that partial lung removal may trigger regrowth of the remaining lung to compensate for the loss. By using nanoparticles as a vehicle for delivery of therapeutic compounds, we hope to amplify the lung’s innate potential for regrowth.”

Nguyen is working on the drug-delivery portion of the project, which is funded through 2016 by a $3.4 million National Institutes of Health grant.

Brilliant Ideas

George Kondraske among four professors selected to National Academy of Inventors

Devices that help people sleep and technology that improves drug analysis are among the inventions that landed four UT Arlington engineering professors a place in the National Academy of Inventors.

George Kondraske, Khosrow Behbehani, Nai Yuen Chen, and Robert Magnusson have been named NAI charter fellows for creating inventions that have made a tangible impact on quality of life, economic development, and the welfare of society.

An electrical engineering professor, Dr. Kondraske developed a software feature for computers and phones that identifies text and suggests a word to be used. He is also founding director of the UT Arlington Human Performance Institute.

Dr. Behbehani, professor and chair of the Bioengineering Department, has focused much of his recent work on developing sensors to help people who suffer from sleep apnea and related respiratory maladies. He was named a fellow of the Institute of Electrical and Electronics Engineers in 2012.

Dr. Chen, a National Academy of Engineering member and distinguished research professor in the Materials Science and Engineering Department, worked at ExxonMobil for 33 years before joining UT Arlington in 2011. He is inventor or co-inventor on 126 U.S. patents.

Dr. Magnusson is the Texas Instruments Distinguished University Chair in Nanoengineering and an electrical engineering professor. His research expertise includes applications in drug discovery, diagnostics, medical devices, homeland security, and solar cells.

“These distinguished faculty members truly are leaders in their respective fields,” Provost Ronald Eisenhower says. “They are models of innovation and invention and have shared their passion for discovery with students and colleagues.”

STARSTRUCK

Studying star explosions can help reveal the secrets of the universe. But scientists typically focus on either the blast or the remnants, not both. Physics Assistant Professor Sangwook Park and postdoctoral researcher Carola Ellingera hope to bridge the gap with SNSPH (a complex computer code) to create 3D simulations of a core-collapse supernova evolving into remnants. “There are a lot of numerical simulations for the supernova and a lot of simulations of the blast wave expanding into interstellar medium, but there was no useful work connecting the two,” Dr. Park says. “Now we are using the most appropriate program we know to do just that.”

Numbers

33,806

A record 33,806 students enrolled at UT Arlington in spring 2013. Driving the increase were gains in business, nursing, engineering, science, and social work compared with the same period last year. Enrollment has surged almost 35 percent in five years.

182

UT Arlington offers 182 degrees—81 bachelor’s, 70 master’s, 30 doctoral, one professional—in a range of disciplines within 12 colleges and schools.

10,000

About 10,000 students live on or within five miles of campus. More than 5,300, or about 16 percent of the student population, live on campus—the largest percentage of any university in the UT System.

1,500

A new imaging system used by civil engineering Associate Professors Sahadat Hossain and Melanie Sattler has doubled the amount of methane gas produced by the city of Denton’s landfill. The first landfill in Texas to implement the Enhanced Leachate Recirculation system, it provides power for about 1,500 households.

40,000

More than 40,000 people have attended the Maverick Speakers Series since its debut in 2008. Speakers have included Ken Burns, Doris Kearns Goodwin, Seth Meyers, Cokie Roberts, Bill Nye, Soledad O’Brien, and Mark Kelly. Visit uta.edu/maverickspeakers to watch videos.

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Champs

CLAYTON VAUGHN
Sprinter Clayton Vaughn won the 60- and 200-meter events at the Western Athletic Conference Indoor Track and Field Championships in February. With 20 points, he shared high-point honors and led the men’s team to a second-place finish.

KATELYN HAYWARD
Distance runner Katelyn Hayward was named Western Athletic Conference Freshman of the Year for indoor track. She won the mile and finished fourth in the 3,000 meters at the WAC championships in February.

TERI LYLES
Senior pitcher Teri Lyles threw her first career no-hitter as the Mavericks blanked Creighton, 3-0, in the UTA Softball Classic in March. She struck out seven batters.

MOVIN’ MAVS
The Movin’ Mavs finished second at the National Wheelchair Basketball Association Intercollegiate Championships in March. They defeated Auburn, 69-21, and the University of Wisconsin-Whitewater, 65-53, before losing to Alabama in the championship game.

ROMAIN MARTIN
Senior Romain Martin became a three-time All-American in the heptathlon as he finished eighth at the NCAA Indoor Track and Field Championships in March. He placed third in 2011 and fifth in 2012.

Carlon, Gould, Berger join Hall of Honor

The Athletics Hall of Honor grew by three members and two championship teams in January.

Pete Carlon was athletics director from 1996-2012 and currently serves as senior athletics director for administration. He began his UT Arlington career as head trainer in 1981 and served as assistant or associate athletics director from 1984-96. He was elected to the National Athletic Trainers Association Hall of Fame in 2005 and was named Athletic Director of the Year by the National Association of Collegiate Directors of Athletics in 2009-10.

In 1993 Clay Gould became the first baseball player in UT Arlington history to earn Southland Conference Player of the Year honors. He helped the Mavericks win SLC championships in 1990 and 1992. Gould served as an assistant baseball coach at UT Arlington in the late ‘90s and, at age 27, became one of the youngest college head coaches in the nation when he was hired to guide the Mavericks in 2000. His 2001 team won the SLC title, and he was co-recipient of the South Central Region Coach of the Year Award. Shortly after the 2001 season, he died of colon cancer.

Mishael Berger helped UT Arlington win consecutive conference track and field championships from 1999-2001. During those seasons, she won the 800-meter event in both the indoor and outdoor competitions. She holds the school record for the indoor and outdoor 800 and the SLC record for the indoor 800. At the 2000 NCAA Indoor Championships, she earned All-America honors, and in 2004 she advanced to the semifinals of the U.S. Olympic Trials. She is UT Arlington’s assistant athletics director for eligibility and certification.

Also joining the Hall of Honor were the 1990 and 1992 baseball teams. The 1990 team captured the school’s first SLC championship, and the 1992 team won a conference title and posted a season-best 40 victories.

Rising Trajectory

Men earn second straight postseason berth

The morning after the men’s basketball season ended March 20, Scott Cross awoke excited about his program’s future. UT Arlington had just lost to Oral Roberts in the 2013 College Insider.com Tournament, but the seventh-year head coach preferred to focus on the positives.

The Mavericks finished fourth in the Western Athletic Conference, rated the 13th strongest of 33 NCAA Division I conferences. They had advanced to the WAC Tournament championship game, narrowly losing to New Mexico State. And they had been invited to a second consecutive postseason tournament for the first time in school history.

“I’m more motivated and determined than ever to win a conference championship and earn a trip to the NCAA Tournament,” says Cross, whose 122-96 record includes three of the top five seasons in school history.

The Mavericks went 19-14 (11-7 in the WAC) in 2012-13 and were ranked among the top 10 nationally in field-goal percentage defense for much of the season. They lost four seniors—Jordan Reves, Kevin Butler, Karol Gruszeczyk, Cameron Catlett—but return plenty of talent. Brandon Edwards, Shaquille White-Miller, Greg Gainey, Jamel Outler, and Drew Charles played significant roles this season.

After one year in the WAC, UT Arlington moves to the Sun Belt Conference next season.

“I’m excited about the opportunity of joining the Sun Belt,” Cross says. “I am to the point, and I know our fans are to the point, where anything less than a championship is not good enough. We plan on winning the Sun Belt title next year.”
Being 6 foot 6 and 290 pounds draws attention. And when this fellow is a three-time NCAA All-American in the shot put, not just people on campus take notice. Bozidar Antunovic’s arrival helped propel the Mavericks into the nation’s top 25 indoor track and field ranks. “Any time you add someone as talented and well known as Bozidar, it catches the eyes of recruiters and coaches both nationally and internationally,” head coach John Sauerhage says.

Antunovic, a Serbia native, spent two seasons at the University of Arizona before transferring to UT Arlington, where he joins fellow countrymen and teammates Branko Petrovic and Ivan Storic. “The facilities and the training program are very strong, and the cooperation between the coaches and the athletes is at the highest level,” Antunovic says. In his Maverick debut, he shattered the University’s indoor shot put record by more than four feet. The junior finished fifth at the 2013 NCAA Indoor Championships and has his sights on an individual national title in outdoor competition this spring.
Taming Traffic

Aided by UT Arlington civil engineers, a regional transportation team seeks to unclog North Texas roadways by merging voluminous amounts of data into high-tech transit information systems. By Judy Wiley Illustration by Bob Staake

It’s a common and costly occurrence on North Texas freeways: Traffic suddenly slows, then creeps, then stops. Should you bail at the next exit or stick it out? When will you finally get to where you’re going? Could you have avoided the problem altogether? Alumnus Shaun Dodge asks himself questions like this during the drive from his southeast Arlington home to his information technology job in Dallas. Although his route
stays roughly the same, the time can vary greatly. On normal days the trip is 40-60 minutes. On bad days it can take two hours.

The North Central Texas Council of Governments says area motorists drive more than 176 million miles and spend 1.1 million hours in traffic delays every day. The congestion increases travel time 31.5 percent at an annual cost of $4.5 billion, NCTCOG says. By 2035 delay time and costs are projected to double.

Dodge, a 2002 graduate with a bachelor’s degree in communication and broadcast management, considers himself a seasoned commuter with more experience than your average highway jockey. He worked a couple of years for www.traffic.com, sitting in rush-hour jams and delivering reports for local news stations.

“I developed patience and tolerance for commuting,” he says. He learned to plan for delays regardless of what he knew beforehand, rather than assuming arrival times based on smooth sailing. “Everybody in DFW understands that getting anywhere in this area is going to take a lot of time. You know something unexpected will happen.”

But this spring area commuters may begin leaving the unexpected in their rearview mirrors.

UT Arlington civil engineering Professor Sia Ardekani and his team are working with Dallas Area Rapid Transit, NCTCOG, and several municipalities on ways to give drivers more precise traffic information.

The U.S. Department of Transportation and DART are funding the $8.3 million, five-year projects, DFW 5-1-1 and Integrated Corridor Management (ICM). Besides UT Arlington, the team includes Telvent Corp., Texas A&M’s Texas Transportation Institute, Southern Methodist University, and Texas Southern University.

DATA DRIVEN

Dr. Ardekani and his collaborators, who include civil engineering Associate Professor Steven Mattingly, have developed an expansive computer data network that is the backbone of the ICM project to help motorists traveling on U.S. Highway 75 (Central Expressway) and its major neighboring arterials from downtown Dallas to Texas 121. The data also is being used to create DFW 5-1-1, a system designed to put comprehensive traffic details at drivers’ fingertips.

“Mobility is one of the dominant issues in our region, and we have access to comprehensive data that can help motorists and traffic engineers improve how we navigate major travel corridors,” Ardekani says. “Our work synthesizes critical data in a way that will yield better solutions for all of us.”

Most people don’t realize it, but roadways have had sensors for more than 40 years, Ardekani says. Detectors buried beneath the pavement invisibly record speed and congestion.

In some cases, private vendors collect the data and
sell it to states, cities, and other entities. Or the data collection is above ground, like with a reader that time stamps vehicles’ toll tags as they pass through. Down the road, another reader produces data on how long it took the vehicle to get there.

Newer technology monitors streets other than freeways. Some systems analyze Bluetooth signals to glean real-time information on how long it takes a vehicle to reach point B from point A. Same as with the toll tag readers, these systems monitor only the signals, leaving the owners’ privacy intact.

All information sources are vital to the success of the 5-1-1 and corridor management initiatives. Of the two, DFW 5-1-1 is personalized for commuters. And it will be regionwide, unlike any other system in Texas.

NCTCOG’s Natalie Bettger says the council works with major cities and other partners to keep everyone involved. Besides DART and the Texas Department of Transportation, the players include Dallas, Highland Park, Plano, Richardson, and University Park, as well as the North Texas Tollway Authority.

Cities typically collect their own traffic data, but they rarely share it. 5-1-1 will pull all the region’s information together. For example, someone traveling from Dallas to an event in Arlington can know what’s happening along the route by calling a voice-activated system.

The current TxDOT system provides information based on where the state has field devices, but “there are gaps in that,” says Bettger, senior program manager at NCTCOG. “5-1-1 provides information on the whole freeway system.”

Other components such as weather and the status of transit systems are also a phone call away. Commuters like Dodge can call 5-1-1, learn the travel time to work, and find out about accidents along the way. He can save his route so the system will alert him via text message when there are problems. Then he’ll know for sure if he should leave home earlier.

“I think it will be extremely valuable,” he says, “especially as we’re seeing ourselves move to a more connected, social society where we demand real-time information in our hands at any give time.”

Ardekani says motorists using a computer before leaving their home or office can click on a trip’s origin and destination and quickly get the current travel time between the two, taking into account weather, traffic, accidents, incidents, construction, and other variables.

Scheduled for a public launch this fall, 5-1-1 will keep track of transit such as buses and light rail. It can suggest travel from origin to destination exclusively on transit when such options are feasible, complete with departure and arrival times and trip time estimates.

HIGH-TECH HIGHWAY

Every driver has endured traffic jams caused by accidents or construction. It’s inconvenient but understandable. What about those unexplained slowdowns?

“It’s maddening,” Dodge says. “There seems to be a point on the road where things just open up. You drive by and you expect to see a lane taken away, an accident, something that would make sense as to why things would be slow.”

But there’s nothing. Just traffic, now flowing smoothly.

The ICM system on U.S. 75 from downtown Dallas to Texas 121, only the second in the nation (the other is in San Diego), should ease those situations. Beginning this spring, motorists who see traffic slow and perhaps stop will be given alternatives by dynamic road signs (often used now for Amber Alerts).

The signs might say something like “Accident ahead, consider using light rail” or “Accident ahead, take next exit.”

Behind the scenes, traffic signals on service roads and side streets change to accommodate the heavier load as people leave the highway. The DART station might shorten run times to take on more passengers or add train cars and begin to monitor parking. When parking lots and trains are full, the dynamic sign might stop promoting light rail as an alternative.

Historical data reveals how often accidents occur and where they happen, enabling traffic engineers to develop scenarios. They can see where commuters might exit the highway and how traffic signals should be re-timed to accommodate the additional loads.

There are, of course, hundreds of scenarios. A fender-bender on U.S. 75 at midnight is one thing; the same minor mishap blocking traffic at 7:30 a.m. is another. A cattle truck overturning at 5 a.m. presents a different set of options that would change as the morning wears on.

Whatever happens, DalTrans, the traffic control center for Dallas, chooses the pre-approved response, posts the alternatives on the dynamic sign, and begins contacting the entities involved for traffic signal modification, rail use, or bus routes.

Besides helping drivers, the system has broader implications. Fewer cars idling in traffic will mean fewer emissions. Faster response to incidents should reduce the chance of secondary incidents. First responders also may benefit, although that has yet to be evaluated.

Ardekani, who will continue to act as project liaison for UT Arlington, says the teams will meet monthly to examine and tweak the program.

“It’s a living, evolving system,” he says. •
For Luis Reyes-Arriaga, retirement provided an unexpected opportunity. He spent 27 years in the Air Force, training pilots and other aircrew members at the Naval Air Station Fort Worth Joint Reserve Base to use survivor equipment in case of a plane crash.

The Puerto Rico native retired in 2006, and boredom struck within a week. He had completed a bachelor’s degree in chemistry before joining the Air Force and wanted to continue serving his country. He could think of no better way than education.

“I realized what this nation really needs is people to educate our future generations. Education is a matter of national security,” he says. “We have a generation of children that is suffering from lack of a good education, and I worry we are losing our edge on technology and innovation.”

Reyes-Arriaga, 51, enrolled in UT Arlington’s chemistry doctoral program with plans to teach at an area public school. But the husband and father soon realized that pursuing a Ph.D. would place too much stress on his family. After talking with University advisers, he opted for master’s degrees in chemistry and education, which he completed in 2009 and 2010.

Returning to school after so many years proved difficult but rewarding.

“I hadn’t touched a chemistry book in 20-some years. I hadn’t written a paper in even longer. It took a while to get back on track, but I was eventually surprised at how much came back to me. It felt natural.”

Professors and advisers helped Reyes-Arriaga apply for financial aid, and he received a Robert Noyce Teacher Scholarship, funded by the National Science Foundation to promote science, technology, engineering, and math education.

While still a student, Reyes-Arriaga began searching for jobs and landed a position as an adjunct professor at Tarrant County College. In 2010 the college hired him full time, and he now teaches chemistry to science and non-science majors.

“Sometimes I find myself smiling,” he says. “I cannot believe I got this shot at a second life.”
A wall street financier dreamed of making a difference. An aircraft mechanic was laid off. An engineer faced a health crisis. An Air Force veteran pondered his next move. Career change happens all the time, but researchers say the instances have increased dramatically as the Great Recession and shifts in the workplace make some jobs obsolete. No official statistics plot career do-overs, but some experts place the number as high as seven in a lifetime. A Bureau of Labor Statistics study found that people born from 1957 to 1964 held 11.3 jobs from ages 18 to 46.

“The world we lived in 50 years ago where people chose a career and stuck with one employer until retirement no longer exists,” UT Arlington management Associate Professor Wendy Casper says. “The workforce is changing so much, so fast. People have to adapt. The job you start might not even exist a couple of decades later.”

UT Arlington helps students pursue career changes by offering flexible programs and online courses to accommodate families and jobs, and by strongly emphasizing career counseling and advising. Meet four professionals who turned to the University to launch new careers.
Nursing never occurred to Jennifer Bloxham. Growing up, the sight of blood made her queasy. So she studied aerospace engineering and worked as a flight test engineer at Lockheed Martin in Fort Worth, helping develop the country’s new fighter, strike, and ground attack aircraft.

Then in 2006 complications from appendicitis left her seriously ill. "I learned I needed to become my body’s advocate," Bloxham says. "I had to learn the best place to put an IV, why certain medications made me sick, why this was even happening. I wanted to understand my body on a deeper level."

A surgeon even joked that Bloxham missed her calling to be a doctor or nurse. In her spare time, Bloxham, who was just completing an MBA, began researching nursing requirements and told her husband she wanted to leave engineering to become a nurse. "He told me I was crazy," she says. "My parents really thought I was insane."

One year later she became pregnant and was placed on bed rest. Unable to work, she finally decided to pursue nursing prerequisites. Drawn by online offerings, affordability, and convenience, she enrolled in UT Arlington’s College of Nursing in 2010.

Merging parenthood and a full class schedule was daunting, she says, but professors and advisers provided invaluable encouragement. Once, when she was hospitalized, the college’s student success coordinator helped her get in touch with instructors to make up work.

"The professors were right behind us," she says. "They wanted us to succeed." Bloxham, 33, graduated in December 2011 and now works as an emergency room nurse at Texas Health Resources in Burleson. In some ways, aerospace engineering prepared her for a nursing career. Both require a holistic, system-wide approach.

"The body is a very complex system. It has lots of parts that don’t always play nicely together, and an airplane is the same thing. You have a headache, but it might be because of a heart medication you’re taking. Your wheels might not be going down, but it could be because the strut is not in the right place."

Bloxham is now considering a Ph.D. in nursing and eventually wants to teach. "But when you start talking about your fourth degree," she says, "people really start to think you’re crazy."

In 1989 Rusty Prewitt landed a job as a baggage handler for American Airlines. A decade later he decided he wanted more out of a career and signed up for aircraft mechanic training. In 2001 he watched with his classmates in Fort Worth as a second airplane crashed into the Twin Towers. He felt paralyzed.

"I knew instantly that my life, my profession, my company, and my industry were changed forever. It hit like a brick in the face. I knew this was game changing."

He was right. Two years later he was laid off and forced to take a lower-paying job in Chicago. Six months after that he returned to North Texas with an even bigger pay cut. At a crossroads, he decided to go to college and major in finance.

"With little education, my options were limited," he says. "My lack of marketability made it difficult to find another job."
Just out of college, Madeline McClure needed a job that paid well. She found one at a Wall Street firm. Over the next decade she climbed from office administrator to research associate to assistant vice president and, finally, to vice president. “I was driven to make money in the go-go 1980s,” she says. “And it was a fascinating, lovely lifestyle, but it was never the perfect fit.”

In 1989 a business acquaintance was brutally attacked in what became known as the Central Park jogger case. McClure was outraged, consumed with the incident, and it stirred a long-dormant fascination with psychology and sociology. “Something about the case stuck in my brain. I knew there were so many big issues well beyond the confines of Wall Street that we needed to be dealing with. I asked myself, ‘What drives someone to perpetrate this type of behavior against another human being?’”

Deciding she wanted to be a therapist, McClure enrolled at New York University to study social work. In 1995 she moved to Dallas with her husband, a native Texan, and transferred to UT Arlington’s School of Social Work. Two classes changed her life. A course in community action planning, taught by Professor Richard Schoech, helped her realize she could make broad and systemic changes through community-based work. In another, taught by Professor Wayne Duehn, she saw the far-reaching effects and devastating consequences of child abuse. McClure graduated in 1997 with a Master of Social Work degree and began working as a child abuse therapist for the Dallas Children’s Advocacy Center and volunteering for numerous advocacy organizations. In 2000 she launched the Abuse Prevention Advocacy Commission. Two years later the organization helped defeat a bill that would have dismantled Child Protective Services’ ability to respond to cases.

Colleagues urged McClure to start a statewide advocacy organization, and in 2004 she founded TexProtects: The Texas Association for the Protection of Children, which aims to prevent child abuse, improve treatment of victims, and provide accessible mental health services. The organization has grown from a budget of $50,000 and one full-time employee to $750,000 and seven full-time workers.

Named a UT Arlington Distinguished Alumna in 2004, McClure credits her Wall Street time with making TexProtects an effective organization. “You don’t find too many social workers with a background in economics and finance,” she says. “We’re not just pounding our fists on the table and saying, ‘Save these kids.’ We have to appeal to both sides of the aisle. We have to show why this is a wise investment for our tax dollars. But of course, I pound my fists, too.”

McClure now urges others to find a way to transform their passion into a living. “When you look at career changes, it’s not always about a 180-degree shift. It’s really about returning to where we should have been all along.”

Prewitt fell in love with the university experience, and professors and mentors helped him navigate the challenges of managing work, family, and school. “It was empowering. I realized all you have to do is try and give it your best and you’ll get through it. It built up my confidence and convinced me to continue my education.”

He enrolled in UT Arlington’s dual master’s program in business administration and human resources management, earning degrees in 2008 and 2009. At American Airlines he jumped from aircraft maintenance technician to account manager to senior analyst to organization development consultant to regulatory compliance manager. Recently he was promoted to manager of regulatory affairs, where he handles correspondence with the Federal Aviation Administration. He’s also an adjunct professor at UT Arlington, teaching negotiation and conflict resolution in the College of Business.

Prewitt, 42, says his combination of operational experience and education has helped him stand out in the marketplace. Juggling everything was trying at times, but he says the perseverance paid off. “It was absolutely worth it. Going to college helped me change the trajectory of my life and career.”
A long abram street a courtyard with picnic tables beckons between Freebirds World Burrito and Twisted Root Burger Co. Next door the newly reimagined Hooligan’s presents a stylish and casual bar with beautiful woodgrain touches, a stone fireplace, and a cozy patio. A few steps around the corner you’ll find old favorite J. Gilligan’s still serving cold beer and heaps of Irish nachos. Behind Gilligan’s the trendy Capital Bar has transformed an old Goodyear building.

Little of this was here a few years ago: the restaurants, the people, the cars parked along South Street because the nearby lots are full. Hard to believe. Downtown Arlington is bustling, and people are talking.

Architecture alumnus Homer Saenz takes his family downtown at least once a week. “It’s nice to have a place to go out with your friends, enjoy some live music and things that we haven’t had before,” he says. “We’ve always had to go to Fort Worth or Dallas to do that. I really like what’s going on down there.”

University and city leaders shared a vision of transforming downtown into a dining and entertainment destination. The result: a revitalized corridor featuring restaurants, performance venues, nightlife, and a rising cool factor. BY DAVID HOPKINS
MIDDLE OF SOMEWHERE
South Arlington may be a hub for shoppers with The Parks at Arlington mall and Arlington Highlands, and north Arlington is a sports fans’ paradise with Rangers Ballpark, Cowboys Stadium, and abundant sports bars. But downtown has found its niche, too—eclectic dining, entertainment, cultural events. Forget north and south. The place to be is right in the middle.

Downtown wasn’t always a big deal. “It was terrible,” alumna Patti Diou, executive director of Friends of the Levitt Pavilion, recalls of her time as a UT Arlington student. “It wasn’t a downtown. There was nothing.”

Efforts to improve the area began a couple of decades ago and gained steam in 2006. The result has been a burst of development and interest.

UT Arlington has fueled downtown’s resurgence. President James D. Spaniolo sought for Arlington a college town atmosphere, so the University partnered with the city to establish the Downtown Arlington Management Corp. The two provided initial funding, then the city established a business improvement district to subsidize the support. The district taxes 400 properties within the downtown boundaries, approximately 15 cents per $100 in valuation.

Around that time, the Levitt Pavilion was rising across from City Hall in a land swap with the First Baptist Church. The outdoor performance venue was a collaborative venture involving the Downtown Arlington Management Corp., city of Arlington, Chamber of Commerce, and the University.

UT Arlington’s ambitious College Park District all by itself takes downtown to another level, adding numerous restaurants and the 7,000-seat College Park Center events venue. Diners can frequent Pie Five Pizza Co., Coolberry Frozen Yogurt, Smiling Moose Deli, Digg’s Taco Shop, Pho Xpress, Grip Mediterranean Grill, and Blaze’s Sports Grill.

Nor is College Park just for students, something locked deep within the campus, but a 20-acre residential and retail montage that blurs the boundaries between the city and the University, inviting everyone to visit.

EAT, LISTEN, ENJOY
All this buzz reflects a national trend, a shift in perspective that again makes downtown crucial to a city’s identity.

“Every city needs a downtown,” says Diou ’86. “They moved away from it, and now everyone is going back to it. It’s a comfort knowing we have a downtown that’s growing and vibrant and will continue to grow and become a fun place for people.”

The restaurant boom has been most noticeable. Since 2006 Arlington has welcomed, among others, Mavericks Bar and Grill, Old School Pizza and Subs, Fuzzy’s

MAKING THE SCENE
The bustling nightlife in downtown Arlington includes live music at the Grease Monkey Burger Shop and Social Club, popular restaurants like the Flying Fish, and performances at the recently renovated Arlington Music Hall.
Taco Shop, Flying Fish, Mellow Mushroom, Babe’s Chicken Dinner House, and Potager. Alumnus Greg Gardner ’91, managing partner of the Grease Monkey Burger Shop and Social Club, appreciates downtown’s one-of-a-kind vibe.

“It’s got a uniqueness to it. It doesn’t feel strip mall or overrun with franchise-type businesses. There’s a sprinkle of local originality. I hope to see that grow.

“People always ask me, ‘Are you worried about these places going in?’ Oh my gosh, I’m like, ‘The more, the merrier.’ The only way this is going to truly be a place for people to come and hang out, park their car, and walk around is if you’ve got multiple places and different types of venues and shops and restaurants.”

Some eateries offer more than food and drink. Capital Bar and Gilligan’s regularly host bands. Grease Monkey has live music five nights a week, including a UTA Jazz Band ensemble the last Monday of the month.

Arlington Music Hall, which underwent a $7 million renovation, is showcasing the likes of Willie Nelson, Loretta Lynn, and Merle Haggard. The Levitt Pavilion provides 50 free concerts a year.

“When we started, we really wanted to have at least 500 people on the lawn,” the Levitt’s Diou says. “Now we’re disappointed when there’s not 2,000 people. We’ve been thrilled. Our audience last year hit over 100,000 people.”

**DOWNTOWN DISCOURSE**

Housing may be the linchpin to downtown maintaining its growth, with potential demand coming from 33,800 students and the University’s nearly 4,000 employees. About 6,000 students live on or within a mile of campus, and the City Council recently approved rezoning for a five-story apartment community catering to professionals, particularly UT Arlington faculty and staff.

“The growing trend to build more housing is extremely important because it drives traffic and excitement downtown,” says Tony Rutigliano, president and CEO of the Downtown Arlington Management Corp.

Rutigliano would like to see more multifamily residences in central Arlington, but the challenge is building them at a higher value. Typically, apartments go for 80 cents a square foot; he envisions $1.50.

“Anecdotally, I hear a lot of people saying, ‘Hey, I graduated from UTA and I’m ready to stay here and work and do things,’ ” he says. “We need to help them by providing housing opportunities.”

Beyond housing, the Downtown Arlington Management Corp. makes a case for a new approach to streets. Bond funding will address Abram Street from Cooper to Collins in 2015.

“I expect we’ll be working with the city over the next year or so on the design,” Rutigliano says. “I’m hopeful that the project will be pedestrian oriented.”

Abram Street is crucial to downtown’s continued redevelopment and momentum.

“We’ve got to reverse our mindset. Arlington was developed around the car, but we now have the opportunity to redevelop downtown Arlington around the pedestrian. It’s a once-in-a-generation opportunity. We need people to come downtown on Abram Street and have that be a destination street. Get here, stay here, park here, walk.”

As Arlington and its citizens mull how to improve downtown, its ultimate look will evolve. Arlington is not Dallas or Fort Worth, with their looming skylines, but it doesn’t bear the expectations of its large neighbors, either. Like Austin, Arlington’s downtown depends on its university. Unlike Austin, Arlington doesn’t suffer the “curse of Sixth Street”—a college bar scene so frenetic and volatile that locals stay away.

Will Arlington imitate Grapevine with its quaint, walkable downtown, or maybe the Depot Entertainment District in Lubbock with its historical buildings, live music, and sports bars on Buddy Holly Avenue? Comparisons aside, at least downtown is part of the conversation—and the talk is growing louder.

For Saenz ’93, an architect with Freese and Nichols and a 25-year Arlington resident, downtown’s dynamic scene offers the perfect mix.

“There are so many options. You can eat dinner with the family or listen to live music at the different bars. You don’t have to haul all the way to Fort Worth or Dallas. It’s a great place to hang out, and it’s close to home.”

Close to remarkable, actually.
Small-Scale Security
Full-Force Defense

A new center aims to strengthen national security by devising nanoscale probes to test food and water, creating sensor technology to track border threats, and developing nanomedicine to treat radiation exposure. By O.K. Carter Photograph by Adam Voorhes

In Wei Chen’s futuristic universe, incredibly sensitive nanotech sensors fly about in drones, are implanted in high-traffic bridges, and journey aboard robots into environments no humans could survive. They’re placed invisibly and inexpensively into buildings, stadiums, roadways, airports, rail lines, maritime shipping docks, and population centers.

The tiny things never sleep, never go off duty. They detect radiation even when it’s heavily shielded, sniff out dangerous chemicals in the air and water, and identify biological hazards like anthrax spores. When they sense a threat, advanced technologies like radio frequency identification transmit alerts.

That’s the future Dr. Chen sees—and it’s not that far away. A physics associate professor and leading authority on using nanotechnology for radiation sensing, he is the director of UT Arlington’s new Center for Security Advances Via Applied Nanotechnology (SAVANT). Established in January, the center focuses on strengthening U.S. security through cross-disciplinary research.

Plans include marrying RFID and sensing technologies to track border threats, creating nanoscale probes...
to test food and water, and developing nanomedicine to treat radiation exposure. The center will explore using luminescent nanoparticles to prevent friendly fire incidents.

“Our center will go beyond standard detection techniques using newly advanced, science-based breakthroughs,” Chen says. “We will be looking to identify threats in a variety of arenas, including transportation hubs and other public gathering places, public infrastructure networks, and the U.S. border.”

**PROFITABLE PARTNERSHIPS**
UT Arlington is already a pacesetter in sensing and visioning technologies, particularly in health care. Provost Ronald Elsenbaumer believes SAVANT will ratchet up that research.

“Federal funding agencies have clearly indicated the need for increased innovation to address U.S. security issues at home and abroad,” he says. “Research universities, especially those like UT Arlington, have a significant role to play.”

SAVANT stemmed from Homeland Security Department grants Chen received to fund pilot studies. The goal: Create inexpensive, commercially produced sensors using nanotechnology refinements.

“If, for example, you want to use traditional radiation detectors, the devices are very expensive,” Chen explains. “Plus, many old-style detection devices are not very sensitive, as opposed to nanoparticle devices, which are not only much more sensitive but potentially much less costly to commercially produce.”

Even before SAVANT came along, federal entities showed interest in UT Arlington’s efforts. Chen and physics Professor Andrew Brandt have received more than $1.9 million in federal grants to develop radiation detection devices using luminescent nanoparticles embedded in a polymer thin film.

Dr. Brandt and Erick Jones, an industrial and manufacturing systems engineering associate professor, are deputy directors of the center. Collaboration primarily will be between the College of Science and the College of Engineering, but the College of Education and Health Professions, the College of Liberal Arts, and the College of Business also will play a role.

Chen foresees SAVANT members consulting with architects to determine how best to incorporate sensor technology into buildings and landscapes. As the research becomes commercially feasible, marketing and communications assistance will be sought.

“The days when researchers across campus were limited to their own silos of specialty are finished,” College of Engineering Dean Jean-Pierre Bardet says. “If we’re going to solve complex problems, collaborations like this are essential.”

**RADIATING HOPE**
Chen says developing nanomedicine for radiation diseases is something no other homeland security center incorporates. SAVANT will concentrate on threat detection and prevention, and it will aid U.S. citizens should radiation events occur.

“We may use nanocarriers to deliver oxygen and nutrients to help DNA and protein repair once they are damaged by radiation. This might help patients recover more quickly.”

Other nanomedicine team members include bioengineering professors Liping Tang and Ky tai Nguyen and psychology Associate Professor Qing Lin.

“Radiation disease is in some ways similar to cancer,” Dr. Tang says. “We may use similar approaches from cancer treatment to explore nanomedicine for radiation diseases.”

It does little good for a sensor to detect radiation if it can’t communicate the problem to people. J.-C. Chiao, who holds the Janet and Mike Greene and the Jenkins Garrett professorships in electrical engineering, says the devices must communicate using wireless technology. His research embeds sensing elements inside a wireless transponder.

“Making devices wireless may sound straightforward,” he says, “but there are a lot of challenges.”

For example, the signals generated by nanoscale devices are usually weak and must be amplified. But it’s not feasible to recharge or replace batteries for thousands—millions—of sensors embedded in buildings, on bridges, across borders, or inside concrete levees. But what if the sensors had self-operation capability to harvest energy? One option is to use electromagnetic energy as the power source.

“Such nanodevices can be small, durable, and installed anywhere because they don’t need batteries,”

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**“Advances in sensor technology in medicine can increase efficiency, save lives, and cut costs—all good things.”**
says Dr. Chiao, who works with electrical engineering researcher Rasool Kenarangui on wireless miniature radiation and structural health detectors. “Build them cheaply enough and they can be widely distributed and placed directly into our infrastructures. With power sources from electromagnetic waves, they can provide real-time environmental—either physical, chemical, or biological—data to the networking cloud for immediate responses. You can imagine how useful this would be to Homeland Security, the police, or even the CDC.”

**SENSE OF SECURITY**

Sometimes these sensors must be adaptable to dangerous and confusing environments. Such was the case with the Fukushima Daiichi nuclear disaster following the monstrous tsunami that struck Japan in 2011.

“At Fukushima they had some very expensive and sophisticated robots that they tried to send in to determine the extent of the problem, but the robots couldn’t access some areas and many of them broke down,” electrical engineering Associate Professor Dan Popa says. “We’re working on robots that can withstand harsh environments and communicate the information that sensors pick up with each other. The bonus is that in addition to the sensory abilities, we can design robots that do tasks similar to what humans can do, such as turning valves in very hostile environments with radiation.”

Dr. Popa sees robotics moving rapidly from science fiction to reality. He believes the advanced sensing capabilities provided by SAVANT researchers will accelerate the trend—and not just in homeland security.

“The interdisciplinary approach has the potential to make some very basic research breakthroughs with applied-science commercial applications. You’ll see this work in industry, medicine, recreation, and many other areas.”

It’s the medical angle that interests microbiologist and SAVANT member Julian Hurdle.

“Detecting disease-causing bacteria in environmental samples has always been a fascination for me,” says the biology assistant professor, who’ll be developing compounds and technology with sensors for bacterial pathogens.

Dr. Hurdle views the emerging technology as useful not only for detecting and imaging infectious diseases but also, with modifications, as a way to provide localized drug delivery.

“Besides thinking about bioterrorist organisms, there are also other bacterial pathogens that substantially affect treatment outcomes for combat-related injuries and impose billions of dollars in health care costs. Some of these superbug bacteria are resistant to antibiotics. It’s an area with many needs for new-age discoveries. Advances in sensor technology in medicine can increase efficiency, save lives, and cut costs—all good things.”

As the research and technology near commercial capability, another feature of SAVANT emerges.

“It’s one thing to develop a technology that results in a device that does something in the way of sensory observation, but it’s another whole layer of talent when you’re talking about taking that application to the marketplace,” Vice President for Research Carolyn Cason says. “With SAVANT we want a continuum from basic science and research to developing prototypes and pursuing marketability options.”

The possibilities for commercialization fuel Chen’s excitement.

“A great part of the future will focus on nanoscience from an interdisciplinary way, with a big shot of entrepreneurialism in the process,” he says. “We’re going to be doing a lot more here than advancing theories, and we absolutely will be successful.”

**TINY TRACKERS**

Researchers in the SAVANT center are developing luminescent nanoparticles and wireless sensors to keep Americans safe from biological hazards and terrorist attacks.
Texas-Sized Impact

Rising alumni influence serves as catalyst for state’s growing workforce

Alumnus Wayne Watts understands a thing or two about conducting business in Texas. As senior executive vice president and general counsel with Dallas-based AT&T, he handles legal matters for the communications giant. He sees firsthand the impact UT Arlington graduates have on the Texas workforce.

“I know several alumni personally who hold key positions at major companies in our area, such as Exxon and Energy Transfer. AT&T is no exception,” says Watts, a 1976 graduate and member of the University’s Development Board. “We’ve hired a number of UTA alumni into our management development programs, especially over the last few years. The University is a hotbed of talent, and companies like ours recognize it.”

A recent study found that UT Arlington has a $13.6 billion annual economic impact on Texas and generates almost 132,000 jobs. In North Texas alone the impact is $12.8 billion and more than 122,000 jobs.

Of the University’s more than 163,000 alumni, about 127,000 live in Texas and provide a stream of employees for high-demand fields like nursing, information technology, and bioengineering. UT Arlington graduates hold leadership positions at all 52 Fortune 500 companies headquartered in Texas.

“UT Arlington is strategically positioned to provide the entrepreneurial ingenuity to keep the Texas economy competitive and thriving,” Provost Ronald Elsenbauer says.

The University conferred a record 9,052 bachelor’s, master’s, and doctoral degrees in 2011-12. Most alumni live and work in the state’s major population centers, with North Texas (106,000), Houston (5,900), Austin (3,700), and San Antonio (2,000) boasting the largest number of graduates.

Like many UT Arlington students, Watts was the first in his family to attend college, and he paid for his education himself. He believes that by providing a good education at a reasonable cost, the University gives students the tool set to succeed professionally and strengthen the Texas economy.

“UTA’s location is central to the Metroplex and is a great geographic launching pad, as demonstrated by the large number of alumni who continue to live and work here and throughout Texas,” he says. “UTA offers great value, a high-quality education, and great support for all kinds of students. Taken together, this translates to the University of Opportunity.”

And Texas is reaping the rewards.

“The University is a hotbed of talent, and companies like ours recognize it.”
Alumnus Raja Bala
has a patent on patents

Bala ’87 started with Xerox more than 20 years ago after earning a Ph.D. in electrical engineering from Purdue University. He traces his career success to his days at UT Arlington.

“UTA’s undergraduate engineering program is strong, especially in terms of its focus on real-world applications. I gained a solid foundation in electrical engineering with a good balance between theoretical and practical aspects.”

A recipient of the Xerox Ann Mulcahy Inventor Award, which recognizes significant business impact from intellectual property, Bala recently shifted focus to mobile imaging and video surveillance. His research involves computer vision, which helps computers “see” and make sense of the world the same way humans do.

“I enjoy exploring new concepts and applications,” he says. “I hope to continue developing technologies that not only push the boundaries of scientific research but make a meaningful impact on society.”

Grand Tribute

1895 Society event fetes president, donors

A decade of unprecedented growth in enrollment, research activity, philanthropic support, and the physical campus is cause for celebration and for recognition of those who made the achievements possible.

With a theme of “Triumph + Tribute,” the annual 1895 Society gala honored retiring President James D. Spaniolo for his leadership and the donors whose generosity has helped fuel UT Arlington’s progress.

Held in March at College Park Center, the event featured a video tribute to President Spaniolo as well as a virtual choir video with faculty, staff, students, and community members singing a modified version of the Beatles’ “With a Little Help From My Friends.”

“I’ve always wanted to make a difference in the lives of people around me,” Spaniolo said during remarks to the more than 300 attending. “I’m very gratified to know that together, working with all of you, we have contributed to changing the perception of a great university and strengthened its capacity to do even more.”

Provost Ronald Elsenbaumer announced the creation of the James D. Spaniolo First Generation Scholarship Endowment to support students who are the first in their families to attend college. The fund already has received commitments of nearly $250,000, and these gifts will double through the University’s Maverick Match program.

The evening also featured a dinner and reception celebrating the contributions of 1895 Society members, who annually contribute $1,000 or more to UT Arlington. Membership in the society, named for the year the University was founded, reached a record high last year.

“We have demonstrated over the past nine years that we are a university that could, can, and will,” said Spaniolo, who will retire May 31. “There are no limitations on what we can achieve and what we can be if we truly commit ourselves in common cause and give our very best to this life-changing institution.”
CHELSEA ROFF ’10 can pinpoint the moment she realized she had to overcome her severe eating disorder. It wasn’t when the scale read 58 pounds, or when her organs started failing, or when she entered the hospital. It was the day she stopped fighting treatment and the doctors and nurses determined to help her. “I regained consciousness on the floor of a padded room, my entire body paralyzed, and I remember thinking: ‘I’ve lost.’ That was the day I learned to surrender,” she says. “I allowed myself to be taken care of, and through that experience I rediscovered my will to live.” After 18 months of inpatient treatment, Roff was released from the hospital and put officially in charge of her own recovery. She went to her first yoga class a few months later. “Yoga put me in touch with my body. Most importantly, the desire to practice introduced me to a community of support that’s been so meaningful for my recovery.” Today, Roff is managing editor for Intent.com and teaches, writes, and speaks nationally about issues related to eating disorders, health policy, and social justice. Her story has been featured on major news outlets like CNN and The Huffington Post. “Sharing gives my life meaning,” she says.
Sweet Whimsy

Jenice Johnson brings candy into focus


Inspiration struck the 2003 alumna when she found herself snacking on gummy bears while looking at a stack of proofs in her Dallas Morning News office. Lost in the tedium of her work, the English graduate and former Shorthorn staffer looked down at the bright blue treat in her hand.

“From that pop of color, art was born. I swept aside the proofs and started taking pictures. I realized: ‘I love this.’ Then I just wondered what else I could stick the gummy bears on.”

Since then, Johnson has photographed gummy bears in every color in a variety of places and situations—nestled in a rose, looking in the mirror, impaled on a pincushion, lit by Christmas lights, holding tiny cotton “snowballs.”

“I always loved gummy bears, especially when I was a kid,” she says. “And when I first photographed that blue gummy bear, I just felt like I had found a different concept.” Her whimsical prints and greeting cards are available at www.jenicesgummyworld.com.

While she once sampled her art with gusto, Johnson now primarily eats a paleo diet consisting of sustainably cultivated foods.

“I wanted to be healthier, and going paleo changed my life,” says the assistant director of marketing and communications for Tanka Bar, a Native American health food business in South Dakota.

Though she no longer eats gummy bears, the rewards of her photography are still plenty sweet.

“I just love the reaction these little guys get. It brings out the kid in everyone and puts a smile on their faces. That’s what’s important, making people happy.”

Former actress finds joy in helping others

Her termination came courtesy of Elizabeth Taylor—at least she’s pretty sure it did. Ann Palmer ’60 was playing one of five princesses in filming the movie Cleopatra when Richard Burton, in full view of Taylor, acknowledged Palmer by her first name.

“Miss Taylor glared,” Palmer recalls. “I had my notice three days later!”

Palmer, who earned her degree in commercial art from UT Arlington, had always wanted a career in fashion and modeling. A move to Los Angeles brought plenty of modeling work, which segued into acting jobs.

Over the years, she appeared in 75 national commercials, several films, and as a nurse for 14 seasons on the ABC soap opera General Hospital. Her ultimate goal was to produce inspirational, values-driven movies that bucked the trend of dark subject matter as entertainment. Though the dream went unrealized, Palmer hopes her efforts laid the groundwork for the success of others with similar dreams.

“Show business really can be a dog-eat-dog kind of world,” she says. “I like to think I helped open doors for younger women to get into production.”

Now that Palmer has transitioned out of the Hollywood scene, she teaches voice and stage presence to aspiring actors. She also has officiated more than 400 weddings.

“I love creating beauty. Helping couples create beautiful beginnings of their lives together is very rewarding.”

Events

MAVERICK RING CEREMONY
Eligible alumni and students receive their Official Maverick Rings at this biannual event. 6 p.m. Thursday, May 2, in the Lone Star Auditorium of the Maverick Activities Center. More information: utaalumni.org/officialmaverickring

GRADUATION CELEBRATION
Actor Kal Penn will speak at the year-end bash celebrating the Class of 2013. Penn is known for portraying Kumar Patel in the Harold and Kumar films. 7:30 p.m. Friday, May 10, at the Levitt Pavilion in downtown Arlington. The free event is open to the public and features a fireworks show. More information: uta.edu/commencement

MAVSMEET
Alumni are invited to help welcome new Mavericks to campus at the annual convocation that kicks off the 2013-14 academic year. 4 p.m. Wednesday, Aug. 21, College Park Center. More information: uta.edu/mavsmeet

ALUMNI GALA
Mark your calendars for the Alumni Association’s 48th Annual Distinguished Alumni Gala recognizing graduates for their professional achievements and service to the community. 6:30 p.m. Saturday, Oct. 19, E.H. Hereford University Center. More information: utaalumni.org/distinguished
Class Notes

1967
Clarence Cope (BS, Geology) is president and broker of the Cope Co., a real estate brokerage firm with offices in Dallas and Plano. He founded the company in 1980.

1970
Leonard E. Davis (BA, Mathematics), chief judge for the U.S. Eastern District of Texas, was named Baylor Law School's 2012 Lawyer of the Year. At Baylor he graduated cum laude and first in his class after winning first place in the State Moot Court competition in 1976.

1971
Kristy Libotte Keener (BFA, Art) donated her collection of storyteller dolls, which she gathered over 25 years, to the Gilcrease Museum in Tulsa, Okla. She also won MarCom Gold Awards for graphic design for a transportation aviation cover design and a choir invitation. She is the design coordinator at the North Central Texas Council of Governments.

1978
Cliff Nelson (BS, Criminal Justice) is interim fire chief in Colleyville. He has 34 years experience in public safety and was fire chief in Grand Prairie from 1996 until January 2013.

1974
Lillie Biggins (BSN) was named to the 2013 board of trustees for the Dallas-Fort Worth Hospital Council. She is vice president of operations for Texas Health Harris Methodist Hospital in Fort Worth.

1980
Theresa Daniel ('80 MSSW, '80 MA, Urban Affairs; '02 PhD, Public and Urban Administration) was elected Dallas County commissioner in November. She took office in January. She is an adjunct professor of urban and public affairs at UT Arlington and also managed program evaluation and accountability in the Dallas Independent School District.

1982
Lauri Lawrence ('82 BA, English) was named a "Great Woman of Texas" by the Fort Worth Business Press. She was events manager for the Amon Carter Museum of American Art from 2000 to February 2012. She serves on the boards of Jewel Charity Inc., the Van Cliburn Foundation, and the Texas Ballet Theater.

1983
Theron Bowman ('83 BS, Biology; '91 MPA, '97 PhD, Public and Urban Administration) was named deputy city manager for the city of Arlington in October 2012. He had been the city's police chief since 1999. Dr. Bowman oversees neighborhood services, which include the police, fire, parks and recreation, and code compliance departments as well as the library system.

1984
Lori-Lea McDaniel Cobb (BA, Journalism) is special projects coordinator in the UT Arlington Office of University Communications. Previously she was a community relations officer for Texas Trust Credit Union and an associate real estate advertising manager for the Fort Worth Star-Telegram.

1986
Ken C. Hall (BS, Civil Engineering) is the global technology leader of water supply services at CH2M HILL, a project delivery company. He is based in the Fort Worth office.

1987
Pam Hadley (BGS, General Studies) teaches pediatrics at Southwestern Adventist University in addition to her duties as a UT Arlington clinical nursing instructor. She is also a registered nurse on the clinical resource team/ER at Children’s Medical Center in Dallas.

1988
Theresa Finn (BS, Mechanical Engineering) is vice president of new market development for Intellicentrics, a developer of security solutions. She is based in Dallas.

1989
Teresa Moss (BS, Psychology) is executive director of the Bob Jones Nature Center Organization in Southlake. Previously she was director of the Oscar E. Monnig Meteorite Gallery at Texas Christian University.

1990
Jepilyn Matthis (MSSW) is an assistant principal at Timber Creek Elementary School in the Tomball Independent School District.
device into an enterprise office phone. He is sales vice president of U.S. national accounts at Alcatel-Lucent, a provider of mobile, fixed, and optics technologies. He is based in Dallas.

1996
Scott Campbell (MPA, Public and Urban Administration) was named Roanoke city manager in January. Previously he was town manager of Sunnyvale. His experience includes major public works and capital improvement project financing and construction. David Gappa (’96 BS, Architecture; ’98 MArch) owns Vetro, a glass studio and gallery in Grapevine. A master glassblower, his art has been displayed in the Arlington Museum of Art and the Fort Worth Community Arts Center. He has done commissioned work for the Dallas Museum of Art and area churches.

1997
Apryl Baylor (’97 BS, Social Work; ’01 BA Sociology; ’03 MEd, Educational Leadership and Policy Studies) is principal at the South Grand Prairie High School 9th Grade Center.

1998
Christina Hernandez (’98 BS, Social Work; ’07 MEd, Curriculum and Instruction) is an assistant principal at Goodman Elementary School in Arlington. Emily Amps (’98 BA, ’03 MA, Political Science) is chief of staff for state Rep. Chris Turner. She held the same position during Turner’s 2009-11 term.

1999
Evan Michael Bloom (BBA, Finance) is a sales supervisor at H.D. Vest Financial Services in Irving. Marygrace Hernandez-Leville (’99 MSN, ’08 PhD, Nursing) is vice president of the Southern Nursing Research Society and a member of the UT Arlington Hispanic Studies in Nursing and Health advisory committee. Manuel Ramos (BS, Mathematics) teaches math and tutors in the Dallas County Community College District. James Recks (BBA, Accounting) is president and CEO of Austin-based Littelfield Corp., the largest public owner of charitable bingo halls in the United States. Previously he was senior vice president and chief financial officer of AMC Financial Holdings. Joseph Showell (MEd, Educational Administration) is principal at Lancaster High School.

2000
Sloan Harris (’00 BS, Architecture; ’03 MBA, Business Administration) was promoted to firm principal by VLK Architects in Fort Worth. He has been with VLK since 2003. He also is president of the White Settlement Independent School District Education Foundation. Michelle Wilmoth-Senato (MEd, Educational Administration) is area superintendent for the secondary schools in the Arlington Independent School District. Previously she was principal at Boles Junior High and at Bowie High School in Arlington.

2002
Hal Collett (MS, Real Estate) is president of the asset resources unit at Prudential Mortgage Capital Company. Based in Dallas, he oversees servicing of about $69 billion in commercial mortgages. Carole Eldridge (MSN, Nursing Administration) is director of graduate programs at the Chamberlain College of Nursing in Downers Grove, Ill. Mary-Margaret Lemons (BA, Communication) was named 2012 Alumna of the Year by the Texas Classroom Teachers Association. She is principal at Seguin Elementary School in Grand Prairie.

2003
Elizabeth Dinh (BA, Broadcast Communication) is a morning reporter for DFW’s CBS 11 after working two years at KOMO-TV in Seattle. Stuart Everett (BS, Architecture) is an architectural designer at Bennett Benner Pettit Architects + Planners in Fort Worth. He is providing design services on renovations of the device into an enterprise office phone. He is sales vice president of U.S. national accounts at Alcatel-Lucent, a provider of mobile, fixed, and optics technologies. He is based in Dallas.

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Land Title and Jett buildings, the plaza at Sundance Square, Gateway Park in Sulphur, Okla., and Tarrant Regional Water District pump stations as parts of the integrated pipeline project. Marilyn Hammer (BSN) is an assistant professor in New York University’s College of Nursing. She received a grant from the National Institutes of Health for her research in glycemic status and infections in autologous hematopoietic cell transplantation recipients. Evan Heckmann (MED, Educational Leadership and Policy Studies) is an assistant principal at Highland Park High School in Dallas. Mark Melton (‘03 BBA, Accounting; ‘03 MS, Taxation) received the Dallas Association of Young Lawyers Foundation award of excellence in December. He is an associate with Hunton & Williams. Sandy Punnakitikashem (‘03 MS, ‘07 PhD, Industrial Engineering) is a professor at Mahidol University in Bangkok. Scott Scarborough (PhD, Business Administration) is provost and executive vice president for academic affairs at the University of Toledo. Previously he served as senior vice president and executive director of the University of Toledo Medical Center. He has been with the University of Toledo since 2007 when he became senior vice president for finance and administration. Chivalai Temiyasathit (‘03 MS, ‘08 PhD, Industrial Engineering) is an assistant professor in the International College at King Mongkut’s Institute of Technology Ladkrabang in Bangkok. Yodchanon Wongsawat (‘03 MS, ‘07 PhD, Electrical Engineering) is an engineering professor at Mahidol University in Bangkok.

2004
Mistie Cadman (BBA, Marketing) has published her first children’s book, Sophie’s Sombrero Adventure. Caroline Davis (BM, Music; BS, Psychology) released her debut album, Live Work & Play. She is an alto saxophonist/composer in Chicago. Piper Davis (‘04 BA, ‘08 MA, English) is a learning specialist in the McNair Scholars Program at UT Arlington and a Ph.D. candidate in English at Texas Christian University. Os Flores (MS, Information Systems) is deputy chief for the East District of the Arlington Police Department. He has been with the APD since 1998. Brent Lakatos (BS, Software Engineering) won three silver medals for his native Canada in the 2012 London Paralympics. His medals came in the wheelchair 200-, 400-, and 800-meter events. Aleshia Niedziela (MArch) is executive director of the American Institute of Architects, Fort Worth chapter. She previously worked at WKMCC Architects in Dallas. Allison Vo (BSN) is director of the oncology service line at Methodist Dallas Medical Center.

2005
Paul Aslin (OS BBA, Marketing; ‘11 MS, Health Care Administration) was a member of the inaugural class of the Leadership and Management Institute Healthcare Fellows with the Texas Organization of Rural & Community Hospitals. He is chief operations officer of Clinical Care Associates at Wise Regional Health Systems in Decatur. Carlos Donjuan (BFA, Art) was among the speakers on State of the Arts, a PBS series on KERA-TV in January. He is an art adjunct professor at UT Arlington. David Eng (BA, Kinesiology) was a member of the Canadian wheelchair basketball team that captured the gold medal at the 2012 London Paralympics. He averaged 7.4 points per game for Team Canada. Matthew Good (‘05 BA, Spanish; ‘12 MED, Educational Leadership and Policy Studies) is an assistant principal at Arlington High School. Justin Wayne Johnson (BS, Information Systems) is an accounting supervisor for Ben E. Keith Co. in Fort Worth. He was a member of Delta Upsilon fraternity. Cody Martin (BAIS, International Business) is the brewmaster and co-owner of Martin House Brewing in Fort Worth. He is a former land development civil engineer who moved to environmental engineering. Paul Schulte (BS, Mechanical Engineering) was a member of the USA wheelchair basketball team that won the bronze medal at the 2012 London Paralympics. He averaged 4.5 points per game.

2006
Matthew Brooker (BS, Biology) has joined the emergency medical staff at Terrebonne General Medical Center in Houma, La. Yanet Cardoza (MED, Educational Leadership and Policy Studies) is principal at McWhorter Elementary School in the Carrollton-Farmers Branch Independent School District. Joseph Copeland (MED, Educational Leadership and Policy Studies) is principal at Long Middle School in the Carrollton-Farmers Branch Independent School District. Kayleen Cress (MED, Educational Leadership and Policy Studies) is an assistant principal at Roark Elementary School in Arlington. James Layfield (BM, Music) is a member of Black Bayou Brass, a faculty ensemble at the University of Louisiana at Monroe. He is an instructor of low brass in the Department of Music. Joshua Leonard (MED, Educational Leadership and Policy Studies) is principal at Blanton Elementary School in Arlington. Jennifer Oliver (MED, Educational Leadership and Policy Studies) is principal at the Young Women’s Leadership Academy in Grand Prairie. Kim Sasser (MA, English), senior lecturer in the UT Arlington Department of English, received a research fellowship at the University of Edinburgh in Scotland for spring 2013. Vincent Sliva (BBA, Management) had “Touch of the Sky” from his Aisle7 album featured in the movie Thunderstruck. Known as LehtMoJoe, Sliva also has music featured in a Showtime television show and an indie film movie trailer, Core. Debra S. Temple (‘06 BSN, ‘11 MS, Health Care Administration) is chief nursing officer at Select Specialty Hospital in Dallas.

2007
Whitney Allen (BS, Interdisciplinary Studies) is working on a second degree at UT Arlington and is an intern at the Center for American Progress, where she is a climate guest blogger. She is a fall 2012 Bill Archer Fellow. The fellowship brings accomplished students to Washington, D.C., to participate in internships and take classes on policy, economics, and persuasion. Adam Myers (BS, Civil Engineering) is a co-owner of Martin House Brewing in Fort Worth. Venkata Nallamothu (BS, Civil Engineering) is an engineer at Sabra, Wang & Associates, a multidisciplinary engineering firm in Columbia, Md. Jason Nelms (BA, Criminal Justice and Criminology) was the second-leading scorer for the USA wheelchair basketball team that won the bronze medal at the 2012 London Paralympics. He averaged 10.5 points per game. Darren Nelson (’07 Cohort MBA; ’08 MS, Human Resources Management) is recruiting director at Dr Pepper Snapple Group. Previously he was director of accounts receivable and credit.

2008
Chad Gann (MA, Criminal Justice and Criminology) was honored as an Outstanding Young Graduate of Howard Payne University. He has been a member of the Arlington Police Department since 2000 and is acting deputy chief over the Operations Support Division. He is pursuing a
Ph.D. in public and urban administration at UT Arlington with an emphasis in criminal justice administration. Alton Jackson (MEd, Educational Leadership and Policy Studies) is an assistant principal at Lancaster High School. Att Kruafak (PhD, Electrical Engineering) manages the Voice Business Department at the Communication Authority of Thailand in Bangkok. Damien Stovall (MEd, Educational Leadership and Policy Studies) is principal at Gill Elementary School in Dallas. Zejun Tian (Executive MBA) has been appointed to the board of directors at Alderon Iron Ore Co. in Vancouver, B.C. He has 24 years experience in mining, geological and metallurgical technology, and management. Previously he was deputy general manager of Laiyuan Non-ferrous Metals Co.

2009
Robert Earley (MS, Health Care Administration) has been named to the 2013 board of trustees for the Dallas-Fort Worth Hospital Council. He is president and CEO of John Peter Smith Health Network in Fort Worth. Jennifer Ellison (MEd, Educational Leadership and Policy Studies) is an assistant principal at South Grand Prairie High School. Elaine Shields (MS, Health Care Administration) is vice president of quality management at Plaza Medical Center of Fort Worth. Previously she served as Plaza’s interim vice president of quality risk, infection control, and patient safety.

2010
Nadia Ayala (MEd, Educational Leadership and Policy Studies) is principal at the International Leadership of Texas Charter School in Dallas. Rebecca Strong Bartholomew (BA, Public Relations) is marketing coordinator at Cassidy Turley, a commercial real estate services provider. Litany Brown (BA, Advertising) is the client manager of a social media campaign team at Standing Dog Interactive, an Internet marketing agency in Dallas. Kathelin Buxton (BA, Public Relations) is an account associate at Linhart Public Relations in Denver. Kevin Carrigan (BBA, Economics) won the Canadian Men’s Mid-Amateur Golf Championship in the fall and qualified for the 2013 Canadian Open in July. Francisco Moreno (BFA, Art) is the gallery teacher for The Rachofsky House art collection at The Warehouse in Dallas. Jamison Powell (BA, Information Systems) is an account manager for SYS-CON Media in Woodcliff Lake, N.J. Fanny Ramirez (’10 BA, French/English; ’12 MA, English) is pursuing a Ph.D. at Rutgers University. Ross Peyton Richardson (BA, Political Science) is a contractor with J.D. Caldwell Construction Co. in Fort Worth. Carlos Walcott (MEd, Educational Leadership and Policy Studies) is an assistant principal at Gill Elementary School in Dallas.

2011
Ruqiyyah Abu-Anbar (BA, Spanish/English) is pursuing a Master of Public Affairs degree with a focus on social policy at UT Austin’s LBJ School of Public Affairs. Aman Batheja (MA, Economics) is a reporter for The Texas Tribune, an online news service. Marcus Culpepper (MA, Criminal Justice and Criminology) is assistant special agent in charge of the Dallas field office, south central region, with the Education Department, Office of Inspector General. A special agent with the ED/OIG since 2000, he oversees 10 special agents who independently conduct investigations to detect fraud, waste, and abuse in programs and operations administered or financed by the Education Department. Damodor Dahal (BS, Mathematics/Management) has opened an eatery called Momos & More south of UT Arlington. The signature dish of Nepal, momos are steamed dumplings filled with meat or vegetables. Justin Ginsberg (MFA, Art) is glass studio technician in the UT Arlington Department of Art and Art History. He was selected as a finalist for the Saxe Award, given by the Pilchuck Glass School in Seattle to the outstanding teaching assistant for summer 2012. Kaitlin Hennessy (BA, Art and Art History, Public Relations) is event rental coordinator at McNay Art Museum in San Antonio. Christopher Hunter (MEd, Educational Leadership and Policy Studies) and Chadd Johnson (MEd, Educational Leadership and Policy Studies) are assistant principals at the Young Men’s Leadership Academy in Grand Prairie. Tony Jarrard (MEd, Educational Leadership and Policy Studies) is an assistant principal at Hoover Elementary School in Tulsa, Okla. Adrienne LaShawn Paul (BSN) is assistant director of nurses at Priceless Care Home Health in Dallas. Teresa Pickowitz (MEd, Educational Leadership and Policy Studies) is an assistant principal at Lancaster High School. Parker Scheideman (MS, Taxation) is a taxation associate at KPMG LLP, an audit, tax, and advisory firm in Fort Worth. Michael Schwartz (MEd, Educational Leadership and Policy Studies) is an assistant principal at Spring Oaks Middle School in Houston. Jana Spillers (MSN, Nursing Practitioner) is a neonatal nurse practitioner at Parkland Memorial Hospital in Dallas and a clinical nursing instructor at UT Arlington. She also is a peer reviewer for the Southern Medical Journal. Allyson Spurgeon (MEd, Educational Leadership and Policy Studies) is an assistant principal at Palmer Elementary School in Palmer, Texas. Emily Suied (BA, Public Relations) is an account assistant at Jasculca Terman and Associates, a public relations firm in Chicago.

2012
Eric Barnes (MEd, Educational Leadership and Policy Studies) is an assistant principal at DeSoto High School. Angela Brown (PhD, Mathematics) is an assistant professor of mathematics at Sul Ross State University. She was a National Science Foundation MAVS GK-12 grant fellow, graduate teaching assistant, and an adjunct professor at UT Arlington. Ricky Brown (MEd, Educational Leadership and Policy Studies) is an assistant principal at the Young Men’s Leadership Academy in the Fort Worth Independent School District. Taylor Cammack (BA, Journalism) is a web developer for the Fort Worth Star-Telegram. Carlos Cucalon (BA, Communication Technology) is a front-end web developer for Hanley Wood, a media and information company serving the housing and commercial design and construction industries. Katy Kiger (BA, Public Relations) is promotions and marketing manager at Radio Disney in Charlotte, N.C. Steven Moore (MEd, Educational Leadership and Policy Studies) is principal at Elliott Elementary School in Fort Worth. Dennis Padilla (MEd, Educational Leadership and Policy Studies) is an assistant principal at Codiad Elementary School in San Angelo. Kate Palmquist (BA, Communication Technology) is a junior developer at the advertising/marketing firm Concussion in Fort Worth. George Vanderhule (MEd, Educational Leadership and Policy Studies) is an assistant principal at Palmer Middle School in Palmer, Texas. Jessica Patzer (BA, Communication Technology) is a junior developer at the advertising/marketing firm Concussion in Fort Worth. George Vanderhule (MEd, Educational Leadership and Policy Studies) is an assistant principal at Diamond Hill-Jarvis High School in Fort Worth. Kira Viator (BSN) is a registered nurse in the Lafayette General Medical Center’s intensive care unit at Lafayette, La.
In Memoriam

1960s
Jarald Eugene “Gene” High (‘62 BS, Electrical Engineering), 73, Sept. 23 in Grand Prairie. Mr. High was an electrical engineer and inventor with more than 66 patents, including the Jet Sweep conveyor belt oven used in pizza establishments worldwide. Early in his career he built power supplies and pioneered technology used at the dawn of satellite communications systems and the Saturn space program. Clifton Jerrel Hale Jr. (‘63 BS, Physics), 79, Oct. 26 in Fort Worth. Mr. Hale was a nuclear physicist with the Nuclear Regulatory Commission until his retirement in 1989. He was an ordained deacon in the Baptist church and a distinguished life member of the President’s Club at Southwestern Baptist Theological Seminary. Granville E. “Gene” Tyson (‘64 BA, History), 70, Dec. 22 in Lampasas. Lt. Col. Tyson was an Army chaplain and an ordained pastor in the United Methodist Church. He served churches in Germany, Korea, and Texas before retiring in 1996. He founded Tyson’s Corners Retreat and Wellness Center and was named to the Military Science Hall of Honor in 2007. Glenis Leon “Glen” Scivally (‘68 BBA, Accounting), 71, Nov. 29 in Denton. Mr. Scivally worked for NCH Corp. in Irving for 31 years, serving as treasurer and executive vice president before his retirement in 2004. He also worked as a CPA. Richard Stetson Nesbit (‘69 BS, Mathematics), 67, Oct. 19 in Fort Worth. Mr. Nesbit was a 10-time All-American and seven-time NCAA champion swimmer at UT Arlington. He was inducted into the UT Arlington Athletics Hall of Honor in 1992 and the Texas Swimming and Diving Hall of Fame in 2009.

1970s
Erceal V. Doty Jr. (‘70 BS, Mathematics), 64, July 9 in Denton. Mr. Doty retired from GTE in 1999 after 29 years of service. He worked at XO Communications from 1999-2001 as an information technology manager. Byron Charles Bolliger (‘73 BS, Architecture), 61, Oct. 6 in Fort Worth. Mr. Bolliger worked in public housing planning, public education, and social aid and rehabilitation needs for underserved populations. Ronald Edward Buba (‘74 BBA, Accounting), 71, Sept. 28 in Arlington. Mr. Buba was a materials manager on the Multiple Launch Rocket System program at Lockheed Martin, retiring in 2001. Phil Edward Johnson (‘74 BS, Mechanical Engineering; ‘81 MBA, Business Administration), 66, Dec. 4 in Arlington. Mr. Johnson formed Lagniappe Manufacturing Co. and Pegasus Professional Services. Jerry L. McGlasson (‘74 BS, Criminal Justice), 71, Oct. 10 in Grandview. Dr. McGlasson was a lieutenant in the Fort Worth Police Department before serving as police chief at North Richland Hills and Grandview. He was elected president of both the North Texas Police Chiefs Association and the Texas Police Chiefs Association. Leldon “Zeke” Taylor (‘74 BBA, Accounting), 60, Dec. 27 in Fort Worth. Mr. Taylor retired from the Internal Revenue Service in 2007 after 34 years of service. He was pastor at Rendon Baptist Church for 13 years. Jimmy L. Thompson (‘78 BBA, Finance), 55, Nov. 2 in Grapevine. Mr. Thompson was an instructor pilot in the Navy before joining Delta Air Lines in 1985. He advanced from flight engineer to captain at Delta, piloting the 767-400 internationally.

1980s
Glenda Hobbs-Reynolds (‘82 BBA, Marketing), 52, Oct. 29 in Dallas. Ms. Hobbs-Reynolds was a producer in the Dallas advertising community. Craig Steven Miller (‘82 BFA, Art), 53, Nov. 7 in Arlington. Mr. Miller was a writer, artist, and publisher of magazines, including Wrapped in Plastic and Following Cerebros. He also worked for Lone Star Comics & Science Fiction in Arlington. Richard “Lee” Green (‘83 BS, Mechanical Engineering), 53, Sept. 17 in Fort Worth. Mr. Green was a mechanical engineer at Lockheed Martin for 28 years. John James Weikum (‘83 BS, Criminal Justice), 53, Dec. 26 in Fort Worth. Mr. Weikum worked as a home health care provider and as a substitute teacher in the Fort Worth Independent School District. Sharon Lynn Macko (‘84 BSN), 54, Oct. 18 in Keller. Ms. Macko specialized in labor and delivery nursing. She also did volunteer work, including traveling to Houston to help Hurricane Katrina evacuees. Patricia V. Chester (‘86 BS, ’88 MS, Social Work), 80, Oct. 17 in Fort Worth. Dr. Chester was department administrator for foreign languages and linguistics at UT Arlington before practicing as a psychotherapist. Dwayne Riley Jr. (‘88 BBA, Accounting), 53, Nov. 23 in Crowley. Mr. Riley was senior operations analyst for Owen Oil Tools in Godley, Texas. Alice Clinch Barnhill (‘89 BBA, Marketing), 62, Aug. 10 in Arlington. Ms. Barnhill spent 30 years in the medical device industry and in regulatory compliance. In 1999 she and a team of seven at Alcon Labs in Irvine, Calif., received the Federal Drug Administration’s Hammer Team honor for working to build a better government. Thomas Michael Smith (‘89 BBA, Management), 46, Dec. 3 in Grand Prairie. Mr. Smith worked at Microsoft for more than 20 years, most recently as a global critical situations manager.

1990s
Linda Jane Coulston (‘94 BA, Interdisciplinary Studies), 63, Nov. 7 in Fort Worth. Ms. Coulston was a field office manager for Austin Bridge and Road in Grand Prairie and a project accountant for W.W. Webber Construction in Dallas. Carolyn Lutz Lousteau (‘97 PhD, Business Administration), 67, Dec. 7 in New Orleans. Ms. Lousteau was an assistant professor of accounting at the University of New Orleans for five years.

Faculty and Staff
Barbara Coleman, 60, Dec. 7 in Hurst. Ms. Coleman served as assistant director and events manager at Texas Hall from 2003-12. Richard Massie, 55, Sept. 16 in Chicago. Dr. Massie was director of Multicultural Services from 1982-97. Clinton E. Parker, 77, Dec. 14 in Arlington. A professor emeritus of civil engineering, Dr. Parker served as chair of the Civil Engineering Department from 1982-99. More than 10 endowed scholarship funds were established during his tenure as chair. He established the Civil Engineering Advisory Committee, which serves as a liaison between the University and industry.

William Mac Stegall, 85, Dec. 5 in Arlington. Mr. Stegall taught printmaking and photography for more than 30 years in the Department of Art and Art History. Delbert Arlyn Taebel, 78, Aug. 31 in Austin. Dr. Taebel was a professor emeritus in the School of Urban and Public Affairs. He served as associate dean for the school, graduate adviser in the Master of Urban Affairs program, and adviser for the Ph.D. in urban and public administration. See more in Memoriam at uta.edu/utamagazine.
Through generous support from our alumni, parents, and friends, The University of Texas at Arlington is able to significantly enhance its facilities, strengthen research programs, and provide countless opportunities for students. In the 2012 fiscal year, nearly 6,500 donors made gifts and pledges totaling more than $18.8 million. This represents a 25.8 percent increase in giving over last year and is the highest total for private philanthropy in UT Arlington’s history.

On the following pages, you will find the names of our donors of $100 or more. We hope you are proud to see your name among those who support scholarships, research projects, endowments, academic programs, and other UT Arlington initiatives. We invite you to visit the campus to experience firsthand the extraordinary transformation taking place, as well as visit our website at www.uta.edu/giving to see the difference your support makes in the lives of our students and in the University’s global impact.

UT Arlington’s potential for continued success lies not only in its outstanding students and faculty but also in the investment made by generous friends and supporters like you. You make all the difference.

P.S. Help keep the momentum going. You can ensure your inclusion in the 2012-13 listing by making a gift of $100 or greater to any of the University’s programs by Aug. 31, 2013. If you have questions about making a donation, please call the Office of Development at 817-272-2584. You may also make a gift online at www.uta.edu/giving.

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Chair, Development Board

Jim Lewis  
Vice President for Development

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- Trey Yelverton ’88  
  City Manager, City of Arlington
Carlisle Society
The Carlisle Society recognizes benefactors whose cumulative giving exceeds $50,000. It is named for Col. James M. Carlisle, who in 1902 founded Carlisle Military Academy, one of the early predecessors of UT Arlington.

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ILLUST RATION GIFTS

ACCELERATING ACHIEVEMENT
Noted Arlington businessman Arnold Petsche made a $1 million commitment to establish the Arnold E. Petsche Center for Automotive Engineering. The center will promote engineering education, innovation, and entrepreneurship, especially through student participation in UT Arlington’s Formula Society of Automotive Engineers program. His gift will double through the University’s Maverick Match to create a $2 million endowment. Petsche, who founded A.E. Petsche Co., is a member of the Carlisle Society, which recognizes donors whose cumulative giving to the University exceeds $50,000.

*denotes donor is deceased
Rankin Legacy Society

The Edward E. Rankin Legacy Society honors those who have made provisions for the University through their estate plans. The society is named for the Arlington businessman and civic leader who was a driving force behind the establishment of Arlington College (now UT Arlington) in 1895.

Joe Briley
Jack Brown
Jimmy R. Brown
Don Bunnell
Abe Bush, Jr.
Bill D. Carroll
Ronnie L. Cates
Dr. Nathan Cedars
Curtis A. Chitty
Al and Shalyn Clark
Jeanette Coburn
Cynthia Coulson
Lisa and Carl Cravens
Jacqueline R. and William E. Crosby
Mary Lynn Crow
Jack and Carolyn Davis
Dr. Gary Dye
Aaron and Carolyn Farmer
Shelly Frank
William Frey
David H. Gaines
Robert Gamble
Paul Geisel
Randy and Beth Gideon
Michael Gingrich
John Gooldby
Danny Griffin
Mary Groner
Sue Harl
Ralph and Susan Hawkins
Ann B. Hewitt-Phiggs
Robert L. Holibaugh

ENDURING LEGACY

Rankin Society member Al Clark believes UT Arlington is a catalyst for helping the city of Arlington reach its full potential. Through their estate, he and his wife, Shalyn, will establish the Shalyn and Al Clark Academic Achievement Scholarship to provide need-based support to UT Arlington students who excel during their freshman year. The Rankin Society recognizes estate gifts to the University.

Jenny Hudson
Barbara and Bill Hughes
David and Melissa Hullender
Daniel Kauth
Bettye and Gary Key
Ferne and Evan Kyba
Cheryl and Jim Lewis
Dorsey Kent Long
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John and Darlene Wier
Dale* and Cindy Will
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Gretchen N. Williams
David F. Wolf
Morgan Woodward
Ann JoBe Wynia

1895 Society

The 1895 Society recognizes those who invest $1,000 or more annually in any of the University’s colleges, schools, initiatives, scholarships, endowments, or programs. Recognition levels within the 1895 Society are the President’s Associates, Dean’s Associates, and Director’s Associates.

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($10,000 or more)
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Mustaqe and Rubana Ahmed
Frank and Jane Alexander
Shahrazad Amrani
Marvin and Shirley Applewhite
John and Jane Avila
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Kyong Ju Barnett
Mia Barnett
Drs. Vincent and Wendy Barr
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Carrie Baum
Michael R. Baylor
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A PASSION FOR NURSING

Although not a nurse herself, Ruby Dean viewed nursing as a noble profession. Her estate gift to the College of Nursing established the Ruby Dean Endowed Scholarship, which supports two undergraduate nursing students each year. Dean, who died in 2010, was a member of the 1895 Society’s President’s Associates, which recognizes annual gifts of $10,000 or more.
CORPORATE KINDNESS

Carrizo Oil & Gas President S.P. “Chip” Johnson spoke at the grand opening of the YWCA Arlington Child Development Center last fall. Carrizo provided $1.12 million for construction of the facility near the northwest corner of campus. One of UT Arlington’s most generous corporate partners, Carrizo previously donated $5 million to support College Park Center and $1 million to establish a graduate research fellowship. The Houston-based energy company has been developing the University’s natural gas resources for several years.
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Although the school that would become UT Arlington dates to 1895, no president presided over the campus for the first 53 years. In the early days, the top campus executives were called trustees or superintendents. When the school joined the Texas A&M University System in 1917, the chief administrative officer received the title of dean. Presidents eventually were named at branch campuses. Thus in 1948 North Texas Agricultural College (now UT Arlington) gained its first president, E.H. Hereford. Nicknamed “Old Rosebud” because he often wore a rose on his lapel, Dr. Hereford worked diligently to elevate the junior college to a full-fledged university. After suffering a heart attack in his Ransom Hall office, he died Nov. 24, 1958, about six months before legislation granted the school four-year status. The E.H. Hereford University Center is named in his honor. The rotary telephone and bulky intercom system he used are now obsolete. And on today’s smoke-free campus, President Hereford would have to ditch the ashtrays and cigar. Photograph courtesy of Special Collections, UT Arlington Library.