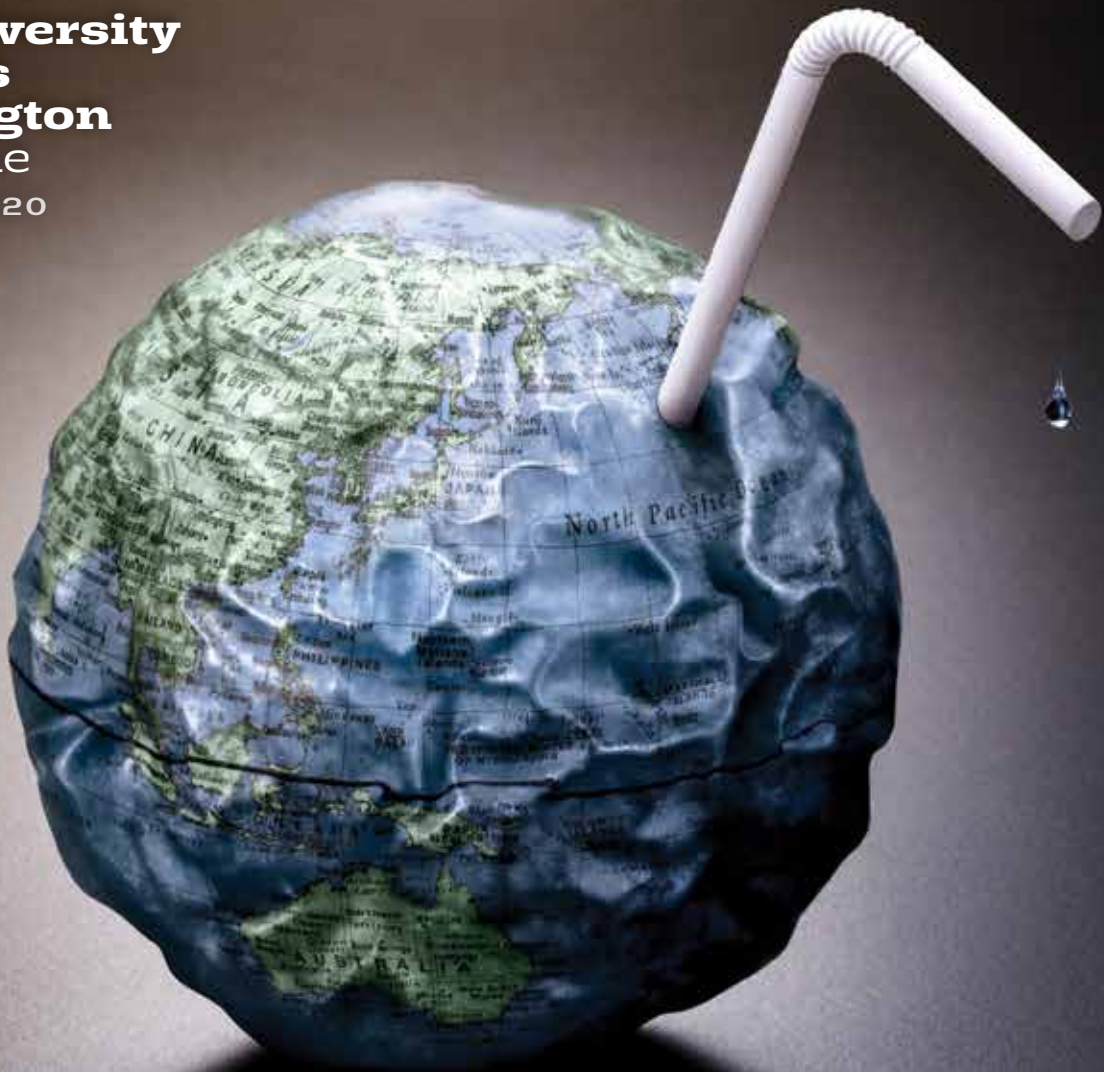


UTA

**The University
of Texas
at Arlington**
Magazine
WINTER 2020



Water Works

*UTA researchers work to
help manage the world's
water. PAGE 32*



**HAVING
A BLAST**
UTA's
marching band
welcomes
students
returning to
campus for
the 2019-20
academic year.

ON THE COVER: URS BUHLMAN/GALLERY STOCK

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SUPPORTING THE PLAN

Use the key below to see how stories correspond to UTA's Strategic Plan.
uta.edu/strategicplan

Themes



Guiding
Aspirations



Operational
Priorities



FEATURES



Managing the World's Water

A multidisciplinary team of UTA researchers is working to ensure access to clean water and safe, efficient delivery of the dwindling resource.



The Illustrious Allan Saxe

One of UTA's most beloved and longstanding faculty members, Allan Saxe, retired this year. The Maverick community pays tribute.



Illuminating Knowledge

Get to know more about UTA's six faculty members who belong to National Academies.



A Path Forward

College students nationwide are reporting growing struggles with mental health. Through our support services, UTA is focused on removing every barrier to student success.

Contents

WINTER 2020
VOL. XLIV

DRIVEN BY AN unwavering commitment to excellence, The University of Texas at Arlington continues to set standards for others to follow while advancing rapidly along a path of profound transformation. This year has brought unparalleled achievements to our University. In addition to the tremendous rankings attained by our programs across all colleges and the wonderful accolades gained by our outstanding faculty, staff, and students, we are ranked as the third fastest-growing institution, as well as No. 1 in the nation for veterans, No. 1 in Texas for the success of first-generation students, No. 4 in the nation in world global impact rankings, in the top 20 in the nation for best four-year adult education, sixth among national universities for undergraduate diversity, and first in Texas for the number of bachelor's and master's degrees awarded to African-American students and for master's degrees awarded to minority students.

This issue of *UTA Magazine* spotlights some of the alumni, donors, friends, students, faculty, and staff who are enabling our unprecedented rise in reputation across the globe.

Our cover story examines efforts by a multidisciplinary team of researchers to address the critical issue of the world's water resources and ensure that this dwindling resource is clean, safe, and accessible for all. Other highlights include profiles of UTA's six members of the National Academies—distinguished leaders who represent the top echelon of



President Karbhari with recent graduates

researchers and scholars in their fields. You will also read about our pioneering initiatives to provide a truly supportive environment under the Community that Cares umbrella to address student needs as related to issues such as mental wellness and health. In addition, you will be able to share in the celebration of the distinguished career of Professor Allan Saxe, who recently retired after 54 years on the political science faculty, through tributes from former students.

Our College of Engineering celebrates the 60th anniversary of its founding, and we are pleased to bring you key highlights and achievements of a college that is now internationally renowned. Much of the college's success can be attributed to its founding dean, Wendell Nedderman, who passed away earlier this year at age 97. A legendary and visionary leader, Dr. Nedderman served as president at UTA from 1972 to 1992, laying foundation for our emergence as a higher education powerhouse.

Your Maverick spirit ensures that UTA defines excellence, transforming lives and enabling bold solutions with global impact. I ask you to join us in celebrating our achievements and helping build even further momentum for ever higher levels of excellence in 2020.

—Vistasp M. Karbhari
President



The University of Texas at Arlington Magazine

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EXCELLENCE

AT A GLANCE

UTA continues to garner accolades at a record pace. Here are just a few of the latest. To catch up with all of the University's recent accomplishments, visit uta.edu/rankings.

#1 among national universities in Dallas-Fort Worth
—Washington Monthly, 2019

#1 in DFW, #34 in U.S. for return on investment
—College Consensus, 2019

17 Fellows of the National Academy of Inventors, the most in Texas and #4 in the U.S.

#6 among national universities for undergraduate ethnic diversity
—U.S. News & World Report, 2020

#1 in the U.S. for veterans
—Military Times, 2020

#4 in the U.S. in the Global University Impact Rankings
—Times Higher Education, 2019

3rd fastest-growing doctoral public institution
—Chronicle of Higher Education Almanac, 2019



EXPLORE
Learn more
about the
origins of
Brazos Park
on page 21.

*Stories about
the Mavericks
who shape
the UTA
community
near and far*

Mav Roundup

WAFFLEOPOLIS: A TIME of fun, friendship, Maverick spirit, and delicious breakfast food. Our 22nd Waffleopolis, a hallmark of the start of another new year in Maverick Country, was extra sweet because it was held at the grand opening of Brazos Park, the newest development on UTA's campus. Nearly 3,000 students packed the green space the night before classes started.

Chat



Chat with Waded Cruzado ('84 MA, Spanish; '90 PhD, Humanities)
President, Montana State University



As an undergraduate, did you ever think you'd be president of a university—or was that always the goal?

If someone would have told me back then that I would end up serving as a college president—in Montana!—I would have looked at them with very puzzled eyes. In fact, back then I do not even know whether the geographical distance or the professional aspiration would have appeared more farfetched for me. Nowadays I encourage students—particularly female students who tend to be more prone to doubting their talents—to look up and aim high to horizons that they cannot even dream.

You mentioned geographical distance—how far are we talking here?

I was born and raised in Puerto Rico, the first of four children. I was the first person in my family to go to college, but not because I was brighter or more hardworking than my parents. As a matter of fact, my mother was one of the most intelligent individuals I have

ever met. The only difference between me and my parents is that someone gave me an opportunity to go to college. That experience was so transformational that I have devoted my life to ensuring that no other young man or woman is ever deprived of the opportunity because I know that education will change their lives, the lives of their families, and improve the communities they choose to live in.

How did UTA help you get to where you are today?

At UTA I learned the importance of adopting and embracing a student-first mentality. The responsiveness of faculty and administrators to student needs brought into focus for me how essential these relationships are for instilling confidence in students, particularly in first-generation students like me, who have very high hopes but also tons of questions about how to navigate the college years and a subsequent career.



ACCESS AGREEMENT

A PATH TO OPPORTUNITY

UTA provides DCCCD students a smooth transfer experience

Andres Lesmes has been on a journey—one that started in Bogota, Colombia. His was a voyage of ambition as he sought growth opportunities every step of the way. He eventually found himself at Mountain View College in Dallas, but he wanted more—and discovered it at UTA.

"It excited me when I realized that I would make new connections and new friends," the international business studies major says. "The Lockheed Martin Career Development Center has also helped me a lot—the staff has taught me what I need, how to create a standout resume, and how to conduct interviews."

Lesmes' transition from Mountain View College to UTA was made possible

thanks to UTA's longstanding agreement with Dallas County Community College District (DCCCD) to ensure the transfer pathway is open and seamless for qualified DCCCD students interested in earning a four-year degree at UTA. That agreement was enhanced this spring with greater avenues for a more efficient transition between the schools.

UTA's commitment to helping transfer students succeed has earned national recognition: *U.S. News & World Report* ranks UTA No. 3 in the U.S. for the number of transfer students enrolled. It's also No. 1 in Texas and the top destination for DCCCD students overall, with 2,214 enrolled at UTA in fall 2018.

MAV ROUNDUP



PRESIDENT-ELECT

KINESIOLOGY CLOUT

Professor leads sports medicine organization

Matthew Brothers will soon be leading more than a thousand sports medicine physicians, students, and faculty as president of the Texas chapter of the American College of Sports Medicine (TACSM).

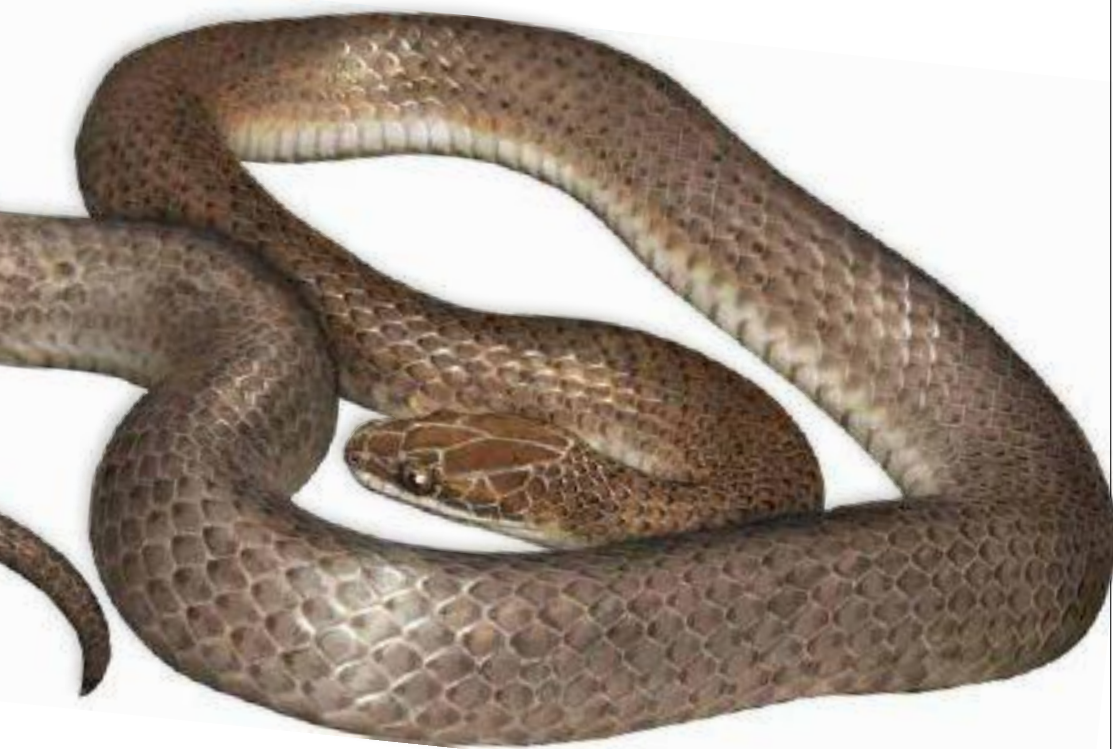
Dr. Brothers, an associate professor of kinesiology, has been a TACSM member since 2003. He says the organization gives students opportunities to present research, findings, and network with others.

Indeed, at TACSM's recent Fort Worth conference, UTA's kinesiology students won numerous awards, including the President's Cup, won by Sara Peper, an undergraduate.

"It's a great confidence builder for our students—these are things they can put on their CVs," Brothers says. "I'm going to continue to emphasize student involvement in the organization."

David Keller, associate dean and chair of the Department of Kinesiology, notes that Brothers' appointment is not only an honor for Brothers, but also the College of Nursing and Health Innovation and UTA.

"In addition to the inspiring leadership he will continue to provide, I am looking forward to working closely with him as we plan our 2021 meeting," says Dr. Keller. "It will be a great opportunity to showcase the college, UTA, and our faculty, staff, and facilities."



 **STOMACH DISCOVERY**

AN ELUSIVE SERPENT

UTA researchers document a new species of snake

Herpetologists at UTA have described a previously unknown species of snake that was found inside the stomach of another snake more than four decades ago. Their discovery represents an entirely new genus as well.

The snake has been named *Cenaspis aenigma*, which translates from Latin as “mysterious dinner.” It is detailed in a recent paper—“Caudals and Calyces: The Curious Case of a Consumed Chiapan Colubroid”—in the *Journal of Herpetology*. The paper was co-authored by Jonathan Campbell, professor of biology; Eric Smith, associate professor of biology; and Alexander Hall, who earned a doctorate in quantitative biology in 2016.

Utilizing the vast resources of UTA’s Amphibian and Reptile Diversity Research Center for comparative purposes, the researchers made CT scans of dozens of specimens of snakes. The biologists believe that *Cenaspis* is likely a burrowing snake that feeds on insects and spiders. Campbell believes that *Cenaspis* is not extinct but has eluded capture due to its burrowing lifestyle and other habits.

“This provides evidence of just how secretive some snakes can be,” Dr. Campbell told *National Geographic*, which ran a story about the discovery late last year. “Combine their elusive habits with restricted ranges, and some snakes do not turn up often.”



 **MONEY MAVEN**

MISSION POSSIBLE

Alumna takes pride in her role as the financial steward of UTA’s mission

It can be easy for some of the 475 staff in Business Affairs, Information Technology, Analytics, and Information Security to feel somewhat removed from the front-line action of such a thriving university. The people staffing those areas don’t often have the opportunity to interact with students and faculty on a regular basis.

However, Chief Financial Officer Kelly Davis (’84), who oversees that staff, makes it her mission to ensure they know how critical they are to the University’s success.

“UTA does today what it did for me when I attended as an undergraduate,” Davis says. “The people who made that experience possible are just like the incredibly talented people who continue to find ways to keep this University accessible to all students by keeping costs affordable.”

From undergraduate to CFO, Davis has seen things change, but the one constant has been her admiration for a University that continues to lead the way. She reminds the employees in each of the departments that report to her how they make a difference.

“It is our mission to make UTA better,” Davis says. “If our teamwork creates a path for a current student to become the next CFO, I will know we have done our job well.”

Postcard

Following Mavericks as they travel the world



India, South Africa, Brazil

WHO: Thy Tran, senior, biology major	WHY: “I was interested in learning more about the role of public health and dentistry in the global context and how the forces of globalization impact health and health care. I also wanted to go abroad because it was a great chance for me to step outside of my comfort zone and enrich my life both inside and outside of the classroom.”	LESSONS SHE TOOK BACK HOME: “It is increasingly important to improve our abilities to listen and understand those with different backgrounds. This program challenged me to examine my worldview and my own values, but it also gave me a new enthusiasm and gratitude. I’ve learned to embrace ambiguity and tackle whatever obstacle life may throw my way.”
HOW: “I didn’t think it was possible because I was so close to graduating, but pursuing a minor in disability studies encouraged me to explore the options of going abroad. Through a Gates Millennium Scholarship, I was able to study abroad with the School of International Training/International Honors Program.”		





MASTER TEACHERS

Often, our Maverick Speakers conduct master classes for UTA students. When actress and playwright **Anna Deavere Smith** came to campus as part of the 2018 series, she held a master class with theatre arts students and instructors.



UP CLOSE & PERSONAL

UTA often hosts V.I.P. receptions before lectures, offering guests a unique opportunity to meet the speaker. For **Jack Hanna's** reception, 70 guests got a sneak preview and early introductions with the animals prior to their evening lecture appearance.



LAUDED LINEUP

Terry Crews was one of the Maverick Speakers Series' most popular guest lecturers, packing the seats at College Park Center with a dynamic presentation.

COMPELLING CONVERSATIONS



The legendary **Jane Goodall**, a primatologist and anthropologist, was one of our most popular speakers.



Acclaimed theoretical physicist **Michio Kaku** presented "Physics of the Future." Dr. Kaku is also a futurist and physics professor.



Alumnus **Lou Diamond Phillips** ('85 BA, Fine Arts), an actor and director, came back to campus to share stories of his career and memories of his time as a student.



Jackson Katz, a renowned global thought-leader, provided a big-picture perspective on gender violence in history, culture, and politics.

Scene

Maverick Speakers Series featuring Terry Crews College Park Center

"I AM NOT AN expert," actor and activist Terry Crews said as he introduced himself to a large crowd of Mavericks and community friends in a packed College Park Center. "I am not here to give you any answers. What I am here to give you is more questions." It was the start of Crews' Maverick Speakers Series lecture in which he discussed growing up in Flint, Michigan; his later upbringing; his experience in the NFL; and social activism.

Crews' opening sentiment is generally the theme of any Maverick Speakers Series lecture—events that bring speakers, entertainers, and big thinkers to the UTA campus to share thought-provoking stories and insight. The slate of speakers has run the gamut over the years, from noted athletes to renowned authors to lauded actors. The 2019-20 season is already continuing this tradition of excellence—the last few months have featured legendary journalist Bob Woodward, global thought-leader Jackson Katz, and former U.N. Ambassador Samantha Power. In 2020, hip hop star Common and tech entrepreneur and bestselling author Vivek Wadhwa will take the Maverick Speakers Series stage to round out the season. For event details and ticket information, visit uta.edu/maverickspeakers.

EXPLORE
The Maverick Speakers Series is an entire experience that goes beyond a lecture. Get an in-depth look before, during, and after the event at uta.edu/mag/scene.

★ LION LEADERS

PROVIDING A ROARING START

Arlington ISD partnership offers new transfer pathway

Idararosa Ekong wants to help her community by serving some of the most vulnerable among us—children. As a pre-med student double-majoring in biology and public health, she’s well on her way. “My biggest aspiration is to become a pediatrician, and I can’t see myself doing anything else,” she says. “UTA gives me the ability to network with medical programs and opens doors for me to continue my passion for earning a quality education.” Ekong, who was salutatorian of her graduating class, is only 18 years old—but she’s set to graduate in just a few years. That fast-track to success is thanks to her participation in the Lion Scholars program, the result of a strategic partnership between UTA and the Arlington Independent School District (AISD). The Lion Scholars program allows students at Arlington Collegiate High

School who are within six hours of completing their associate’s degree through Tarrant County College to begin taking classes toward a bachelor’s degree at UTA. AISD pays for the students’ UTA tuition at dual credit rates, along with textbooks and other required fees, until the students earn their high school diplomas. Once those students graduate high school, the University will review their status to determine eligibility for scholarships that could offer up to \$10,000 in tuition assistance. “UTA and AISD are breaking down barriers to a four-year university degree,” says state Rep. Chris Turner, D-Arlington. “We need to see more partnerships like this, where highly ranked and nationally respected public institutions find innovative ways to make college degrees at the highest level of quality more accessible and more affordable.”



★ BULLSEYE

FABULOUS FELLOWS

UTA’s Archer Fellows gain invaluable experience

Since 2001, the Archer Center has provided UTSystem undergraduate and graduate students from across the state the unique opportunity to live, learn, and intern in the nation’s capital through its Archer Fellowship Programs. More than 1,100 UTSystem alumni have graduated from the Archer Center’s programs since then—including 82 undergraduate and graduate students from UTA. “Having immigrated to this country from Mexico, I never dreamed of having a chance like this,” says current Archer Fellow Mayra Cantu, a UTA graduate student working toward a master’s degree in public administration. “I have the opportunity to make an impact on a program that will affect the entire country, and I have had access to events and people I would never have dreamed of.” Todd Hill-Jones, a spring 2010 Archer Fellow, interned at the Financial Services Roundtable as an undergraduate at UTA. He’s now a policy and research program manager at the Urban Institute. “The Archer Fellowship Program was everything I needed to get my foot in the door in D.C. and pursue a professional opportunity to achieve my career goals,” he says. “It made me want to be better and stronger in what I wanted to do and accomplish personally and professionally.”

Collected



Texas Disability History Collection, UTA Libraries



UTA LIBRARIES IS the only repository in the state focused on collecting Texas disability history materials. The Texas Disability History Collection, funded through a grant from the Institute of Museum and Library Services (IMLS), features documents, videos, images, and oral histories on the work of various disability advocates who were students, faculty,

or staff at UTA. It also reaches beyond the University to include local, regional, state, and national artifacts. The IMLS grant focused on developing website accessibility. In addition to accessible coding techniques and visual design, all documents are scanned with optical character recognition software, videos include synchronized subtitles, and text transcripts are available for audio files.

Top: Tiffany Demus, a 1987 Special Olympics participant, enjoys ice skating with Nick Maricich, a skater in Walt Disney’s Magic Kingdom on Ice show in Fort Worth.

Bottom right: A Special Olympian flies over the high jump bar during the 1986 regional Special Olympics in Haltom City.

Bottom left: During the regional Special Olympics held in 1982, a wheelchair participant is congratulated by spectators and volunteers.

★ **WORLD CHAMP**

PRODIGIOUS PERFORMANCE

Senior takes third consecutive world taekwondo title

Managing her studies. Helping run the family business. Amassing world titles. It's business as usual for Adalis "AJ" Munoz, a psychology and exercise science senior who also is a fourth-degree master black belt and the World Taekwondo Poomsae champion—a title she claimed in 2018 for the third consecutive year.

"To maintain that level of competitiveness is definitely a challenge, especially balancing a full-time academic load," Munoz says. "The biggest challenge is maintaining the organization and that drive."

To compete in the world championships and University Games, each country can only send one entry per division in both competitions. Athletes first have

to qualify at state tournaments and then be selected from the field at national championships. Munoz has earned eight national championship titles since she began competing in 2013.

Munoz started taekwondo when she was 10, training under legendary Grandmaster Myong Sok Namkung Mayes. But her primary coach in Texas has been her father, Joe Munoz, who had his family start martial arts as a way to learn self-defense together.

"It turned into a passion for my daughter," Joe says. "My daughter outranks us all and she's about to possibly get promoted again this year. She still has to do the dishes and take out the trash, though."



★ **WORKFORCE-READY**

MEASURING SUCCESS

Education researchers study whether new program will fast-track student success

A new statewide high school graduation initiative—the Foundation High School Program (FHSP)—aims to give students in-depth knowledge of particular subject areas, including science, technology, engineering, mathematics, and more. The goal is to better prepare students for the workforce by helping them make more effective decisions when choosing a college and major, thus increasing the likelihood of degree completion.

To find out how well the program is meeting that goal, College of Education Associate Professor Yi "Leaf" Zhang and Professor Maria Trache are analyzing data from more than 400,000 students who went through FHSP during high school into their first four years of higher education. They hope to shed light on how the program affects student performance and also help administrators improve FHSP. Their work is funded by a \$265,531 grant from the Greater Texas Foundation.

"If a student comes into school with little idea of what they want to do, it can lead to wasted time and more money spent," Dr. Trache says. "This program tries to alleviate that. But no evidence of student success has been provided, and we hope to make the program more efficient and effective for administrators and students by finding empirical answers to our study's questions."

Faculty Focus



John Garrigus,
Professor
College of Liberal
Arts, History



THIS YEAR, HISTORY Professor John Garrigus became the first scholar in UTA history to be selected for the prestigious Andrew Carnegie Fellows Program. He was one of 32 chosen from a pool of 273 nominations across the nation, and the only 2019 fellow selected from a Texas university.

"I found out in an email that I read at home," Dr. Garrigus says. "It was one of those moments where you read an email and can't quite believe what the words are saying."

Garrigus has spent his career studying the pre-conditions of the Haitian Revolution, the world's only successful

slave uprising. "Haiti—or more accurately, Saint-Domingue—was the first place in the New World that actively tried to build a multicultural democracy," he says. "All of us who live in a multicultural democracy should know about the men and women who worked to create a new kind of society 200 years ago."

What past accomplishment is your proudest?

My first book, *Before Haiti*, which won the Gilbert Chinard Prize from the French Historical Society. I spent nearly 20 years trying to get that book published, but interest in the Haitian Revolution wasn't there until 2004, when Haiti celebrated its bicentennial.

What are you excited about right now?

Learning about the livestock diseases that had such a huge impact on people and cultures in the 1700s but are not very well studied. Diseases like anthrax—which armies adapted for biological warfare in the 20th century because it kills people and animals so rapidly—could kill 70 to 80% of the cattle in a region and no one knew why. Planters accused their slaves of poisoning the animals because they seemed healthy until just before they died. When enslaved Africans tried to use their remedies, the planters thought those were poisons.

What are you most looking forward to?

I'm looking forward to using geographic information systems (GIS) to map the plantations where these mysterious "poisonings" occurred. This was the same area where the Haitian Revolution first broke out 34 years later. Historians have never really explored the spatial history of these events—how people, animals, diseases, and ideas traveled through this region. I have a collection of digitized manuscript maps, and I'm planning on putting my GIS results on the web for other historians and interested folks.

Gallery



UTA Faculty Biennial XVII, The Gallery at UTA

THIS FALL, UTA debuted its 17th consecutive Faculty Biennial, a showcase for recent work created by faculty in the Department of Art and Art History. “The Faculty Biennial is an opportunity for our talented faculty to experiment with new ideas and creatively investigate new modes of expression,” says Benito Huerta, gallery curator and director. The 2019 exhibition

features the work of 36 faculty members in a wide variety of media, including painting, drawing, sculpture, photography, and more. In many ways, the exhibition serves as a testament to the faculty excellence that guides students of the department’s internationally recognized

undergraduate and graduate programs. With a growing reputation as a center of creative and academic excellence in Texas, the department and its faculty provide a rich and varied educational environment for the study and practice of art.



1. Fragments (Conic Sections) by Assistant Professor Bryan Florentin

2-5. Project Barbatype, clockwise from top left: “Jeff Stroker (as Bram Stroker),” “Alura O’Shaunacy,” “Veronika Doll,” and “Verandah L’ni,” by Senior Lecturer Scott Hilton and his collaborator, Bryan Wing

6. Bubble (Scanner 4) by Professor Nicholas Wood

7. Thankfine by G. Scott Cook, assistant professor

8. A Romantic Gesture by Benjamin Terry, senior lecturer

9. Home Team by Senior Lecturer Carlos Donjuan





★ NATIONAL LEADER

BEST FOR VETS

UTA ranks No. 1 in the nation for veterans

This year, UTA rose two spots in *Military Times*’ ranking of four-year institutions for veterans and their families, from No. 3 to No. 1 in the nation.

The *Military Times* Best for Vets: Colleges 2020 list recognizes UTA for its 85% veteran graduation rate, its large population of service members and veterans—totaling more than 3,100—and its ample experience working with military-connected students. The publication also cited UTA for its program to connect faculty and staff who served in the military with students who served, providing mentors who understand the military background.

“We are privileged to be able to serve our veterans and military-serving families. They served our nation with distinction and now bring a passion, ‘can-do’ attitude and enthusiasm to campus serving as role models and showing us the importance of commitment, dedication and honor,” UTA President Vistasp Karbhari says. “The recognition by *Military Times* reflects not just the high level of excellence made possible by our tremendous faculty and staff but also our commitment as a University to serve and support our veterans and military-serving families as they continue their education, and through it their service to our nation.”



Captain Andrew Cato leads Team Jaeger, the program’s Overwatch team.

GAME ON

ESPORTS TEAM LEVELS UP

UTA’s Esports Program goes varsity

Varsity esports—competitive and organized video gaming—has arrived at UTA. The program kicked off this fall with a team of 15 players and newly appointed coach Drew Boehm, who heads up the esports division of Campus Recreation. The team practices at the new Esports Stadium in Arlington.

“We want our UTA team to be well-rounded students, just like what you see in traditional sports programs,” Boehm says. “We want them to learn from mistakes and the team to become a well-oiled machine. There’s a lot to do and I’m excited about that.”

The UTA team competed in Overwatch, League of Legends, and Rocket

League—all team-based multiplayer video games—in its inaugural season.

Esports is not new to UTA, where a student organization was founded in 2011. The club enjoyed immense success, winning the 2017 Heroes of the Dorm National Championship, one of the nation’s biggest tournaments, along with over half a million dollars in scholarships.

“The esports student organization here on campus has built an excellent foundation to help UTA continue the path of success nationally within this emerging sport,” says Lisa Nagy, vice president for student affairs. “We are thrilled about the opportunities for our students to shine as leaders in this sport.”

Campus Buzz

I’m starting a new chapter in my life next spring. I’m officially an Aerospace Engineering student at The University of Texas at Arlington!

🐦 / @SUPERMOUTSOLD

Connect with UTA across all social media channels using the handle @utarlington.

Popular and random opinion: Everyone at @UTAShorthorn is incredibly talented and going places. Period.

🐦 / @FATHERHIDALGO



Not an opinion—it’s a fact! I’m very proud of the @UTAShorthorn

🐦 / @VISTASPKARBHARI

2019 University of Texas at Arlington Percussion Section. Love working with these gals and guys!

📷 / @CHRISJNADEAU



My last OSCE for nursing school and we all PASSED! It was before OSCE check off, and we were stressed a little...and I forced her to smile for the picture.

📷 / @YUNIQUE_WORLD



Wow! What an experience with #NintendoOnCampus at #UTArlington!

📷 / @YUNG_MOCHI



Students enjoyed therapy time with adorable doggos at UTA’s Central Library.

📷 / @UTALIBRARIES



Aneetta Kuriakose Biomedical Engineering PhD Candidate

Congratulations on your National Institutes of Health (NIH) pre-doctoral fellowship! How did it feel when your proposal was accepted?

I had been applying for this fellowship for quite a long time—this was my third attempt, actually. When I was writing my third proposal, I was pregnant. And I had this gut feeling that I might get it. I think my pregnancy changed my thinking. I just felt more goal-focused and confident.

Balancing new motherhood and family with rigorous research must be challenging. How do you manage it?

With pregnancy, I took more than a semester off. Since our lab involves chemicals, I did non-chemical work inside the lab. I also used the pregnancy time to focus more on that proposal, so I give credit to my son! And I also give credit to the support of my family—I'm not sure I would be able to do anything without them. And to my mentor, Dr. Kytai Nguyen. She has been very supportive and flexible in my research work. Not everyone has such an opportunity, and I am really grateful to her and to be in her lab.

Can you share more about your research?

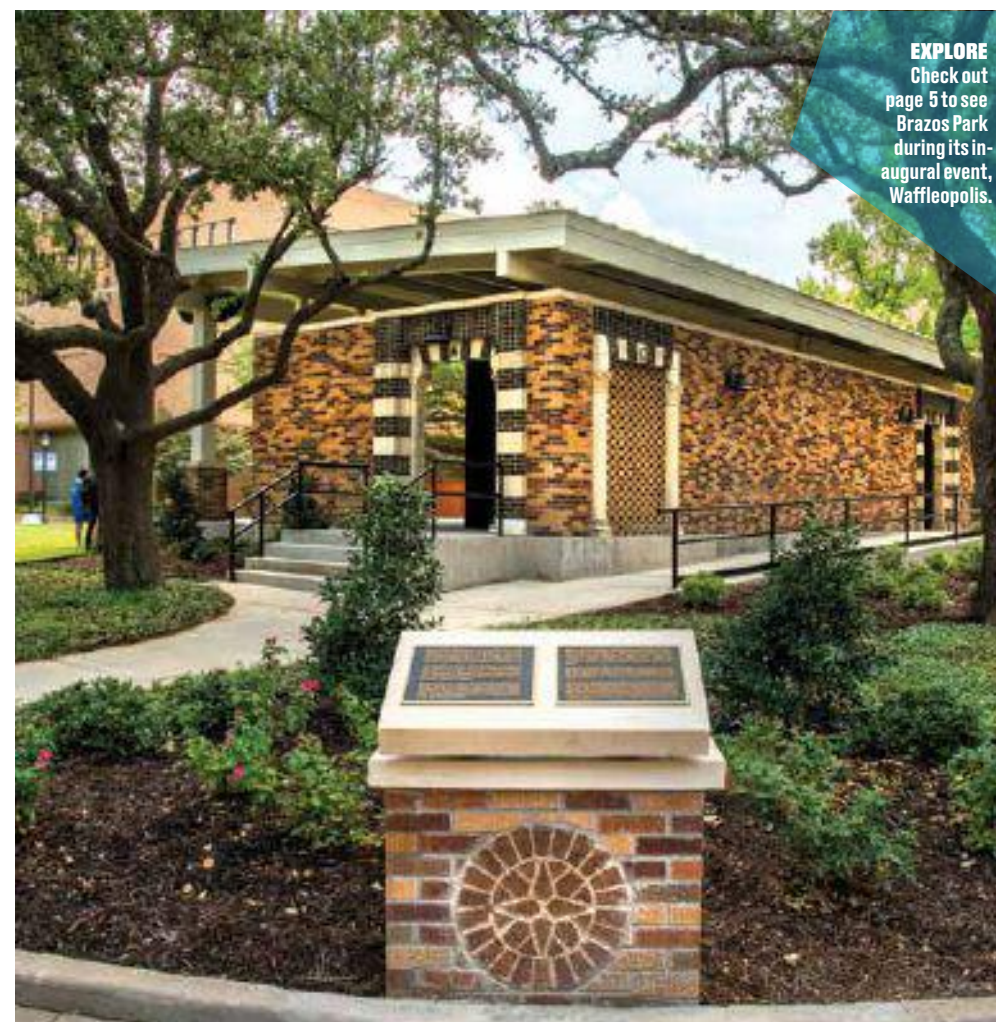
We are working on developing a minimally invasive treatment for peripheral artery disease. Our method involves using balloon devices used in angioplasty procedures, where we modify those balloons and incorporate nanomedicine into them. Not only would it be less invasive, it would not leave any foreign material, like a stent.

You're a trailblazer as the first UTA student to win this prestigious NIH award. Any advice to future student researchers who hope to follow in your footsteps?

This is not something that only I can do. I just started it—it doesn't mean it's not actionable. Use your past rejections as a confidence booster because you can learn from them.

What's next for you in the future?

I will finish my PhD, get established, and focus on family. And at the same time I want to do either a postdoctorate or work as a researcher in the industry. It depends on what life is going to offer to me, but I'm open to it all.



EXPLORE
Check out page 5 to see Brazos Park during its inaugural event, Waffleopolis.



PRESERVING HISTORY

THE BRAZOS LEGACY

UTA celebrates the opening of the new Brazos Park

In 1936, a legend was built on the UTA campus. With it came a community that would only deepen over the years. Brazos House was a residence hall with a unique character. However, as one of the oldest buildings on campus, it had begun to show its age—and the University made the difficult decision to demo the building to make room for a new space that would cultivate community and togetherness. It was vital, though, to honor Brazos House's rich history while creating what would become Brazos Park, a green space complete with an amphitheater.

Dedicated in April 2019, Brazos Park was made possible in part thanks to a

gift from Distinguished Alumnus Mustaque Ahmed ('81 BS, Economics). Since graduating, Ahmed has been focused on providing more avenues for connection at UTA. In 2005, he funded the Festival of Ideas Global Research Institute, which fosters thoughtful dialogue on issues vital to the development of a diverse society. Brazos Park creates a vibrant place for meeting, collaboration, and celebration of the Maverick spirit that unites the community.

To further honor the Brazos House legacy, architectural elements of the original building have been preserved and incorporated into the new amphitheater.



CRANIAL CARE

VISIONARY RESEARCHER

Passion for research helps professor work through vision loss

Inside his lab at UTA, Venu Varanasi, associate professor in the College of Nursing and Health Innovation (CONHI), relies on a series of adaptations to help ensure that his progressive vision loss, caused by a genetic retinal disorder, doesn't inhibit research that could revolutionize bone treatments for severe cranial injuries. His projects, he says, are too important to let declining vision hamper his work.

"We're moving past current methods and building a transformative one that will heal patients without invasive techniques," Dr. Varanasi says. "Health care is on the cusp of a new era, and our research can put UTA at the forefront."

Varanasi has developed a technique for live 3D printing of bone-forming scaffolds in the cranium that are grafted to bone defects in real-time. This non-invasive approach would be more in tune with the body's natural healing process and could lead to shorter healing times.

Marco Brotto, George W. and Hazel M. Jay Professor, says Varanasi's research marks a bold approach to the treatment of musculoskeletal maladies.

"It captures the meaning of translational research," Dr. Brotto says. "His challenges have pushed him to pursue work that helps and heals people, and we are fortunate he brought that passion to our university."

Look Back

The College of Engineering celebrates 60 years at UTA

TODAY, UTA'S COLLEGE of Engineering has become a force to be reckoned with in the engineering world, graduating more than 34,000 students, increasing enrollment, and becoming an overall education and research powerhouse. The impact of the college at present can be traced to its humble beginnings in 1959. The college was founded amid rapid growth and was guided by a visionary leader who saw tremendous potential there.

When Arlington State College became a senior college in 1959, a School of Engineering was also created. Wendell Nedderman, who was a professor of civil engineering at Texas A&M at the time, was brought aboard to serve as founding dean, a position he would hold until 1969. He worked tirelessly to build the school, ensuring its first five undergraduate programs were accredited and adding graduate and doctoral programs.

"The advent of the graduate program, and the deliberate fashion in which Dr. Nedderman and Jack Woolf [former Arlington State College president] approached it, was one of the biggest factors in the college's success," says Kent

Lawrence, a professor of aerospace engineering who joined the faculty in 1961 and has worked at UTA for all but three years since then, for a total of 55 years. "Many of our graduate students were inclined to research and were good at it. The money that research grants brought in allowed us to do things we couldn't before. A lot of our early faculty came from high-profile research institutions around the country, and Drs. Woolf and Nedderman pursued and hired faculty from top schools such as MIT and Cal Tech. It was extremely forward-thinking of them to hire that way, because it gave our college as broad a view of research as possible."

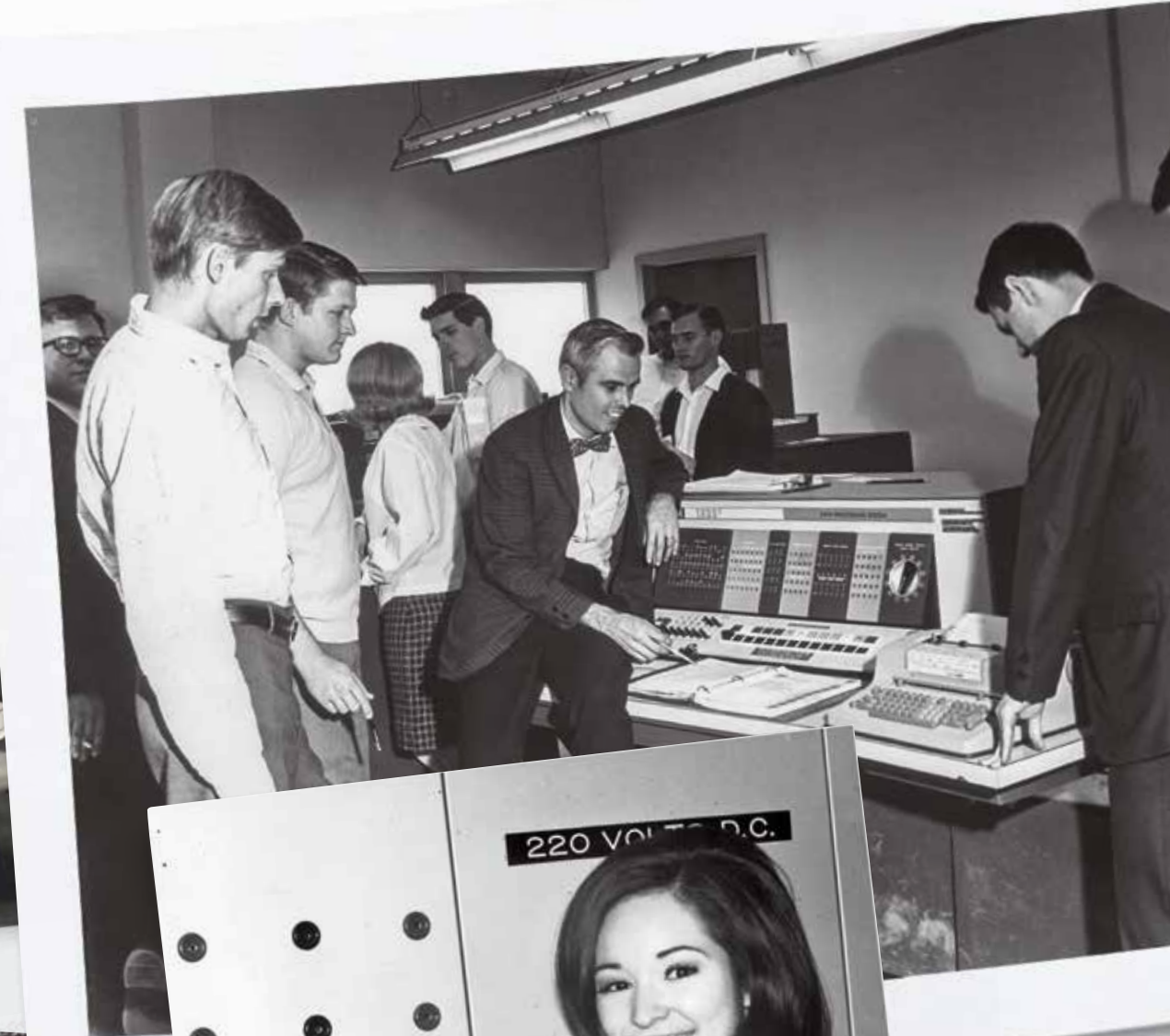
Clockwise, from top left:

Engineering students at work during class time.

The college's first computer, an IBM 1620, was purchased for the computer science engineering program in 1961.

Linda Garza, pictured here in 1970, was the college's first female electrical engineering student.

Mechanical engineering students won a first-place trophy and \$1,000 for their Formula SAE car in 1986.





★💡 GENEROUS SUPPORT

MAVS GIVE BACK

UTA's Day of Giving brought a wave of support from the Maverick community

Maverick spirit shows itself in all kinds of ways: the crowd of blue and orange filling College Park Center during Homecoming basketball games, the cheers that bound through Texas Hall for every Convocation, and the tears of joy and pride at every graduation ceremony. In late April, on UTA's inaugural Day of Giving, the Maverick spirit showed itself in a tidal wave of generous donations from alumni, faculty, staff, students, and friends of the University.

A total of \$209,068 was raised from 579 gifts, primarily from alumni. Nineteen percent of the donors gave to the University for the first time. The money raised supported UTA's Emergency Assistance Fund, general scholarships, *The Shorthorn*, athletics, and more.

One donor even took the opportunity to present the University with a gift-in-kind: a map from 1548 depicting the area that would become Texas.

"I had been at UTA for less than a month, and the UTA Day of Giving gave me an introduction to the outpouring of love and support that so many have for the University," says Michele Boillotat, assistant vice president for development. "The buzz traveled literally all over the world. UTA means so much to so many, and I look forward to seeing how this Day of Giving develops on an annual basis."



★💡 SERVICE-MINDED

COMMUNITY CRUSADERS

Students cap Maverick Stampede with a weekend of service

To conclude the first week of the fall semester, UTA students committed their weekend to giving back to the community surrounding UTA's campus.

More than 200 Mavericks spent Saturday, August 24, volunteering for nine local charities and nonprofit organizations for Super Service Saturday, part of the activities of Maverick Stampede—UTA's annual tradition that kicks off the new academic year.

"It's important for UTA to be responsibly connected to the community we're within, and Super Service Saturday is a great starter opportunity for our students to recognize service as an option,"

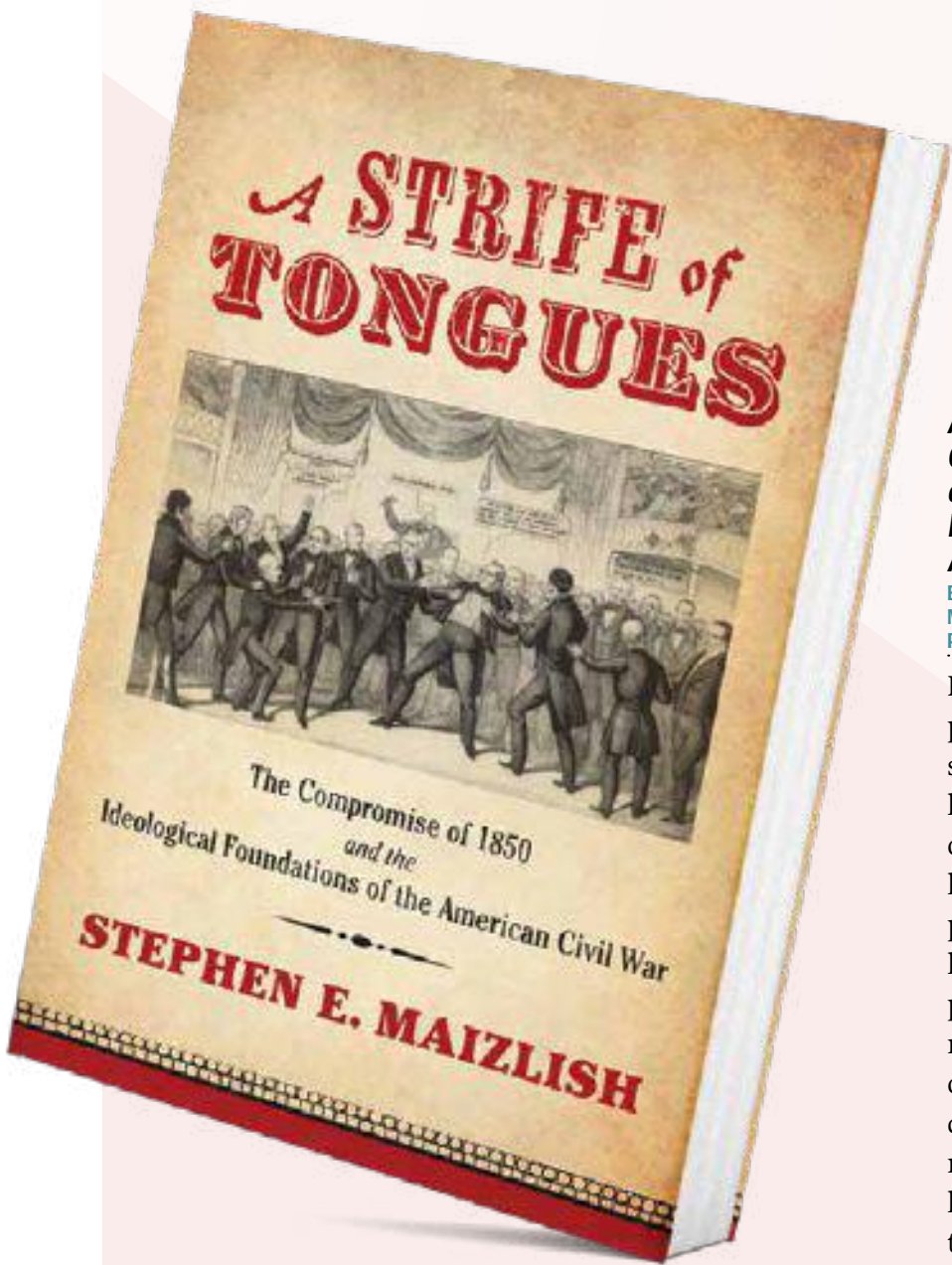
says Julian Humphrey-Davis, student development specialist. "We want to invest in our community, and our students can be on the forefront of that."

Event organizers at the Follett Student Leadership Center say the day helps build momentum for other service-oriented events throughout the school year, such as The Big Event, Alternative Breaks, and UTA Volunteers.

"It's a great way to start the school year for students," says Eva Fortson, a senior majoring in public health and student director of Alternative Breaks. "Our volunteers showed up early ready and excited to give back to the community."

Well Read

Dive into fascinating books by Maverick authors.



A Strife of Tongues: The Compromise of 1850 and the Ideological Foundations of the American Civil War

BY STEPHEN E. MAIZLISH, ASSOCIATE PROFESSOR, HISTORY

In *A Strife of Tongues*, Stephen E. Maizlish deconstructs the ideological history of the Compromise of 1850 by examining the language of the time, from public discourse to private letters. He reveals the complex dichotomy between northern and southern ideologies and shows how the debates of 1850 actually cemented those differences—laying the foundations of the Civil War.

WHAT ARE YOU READING RIGHT NOW?

Are you reading a book by a UTA author? Did you write your own tale of wit and wonder? Let us know at utamagazine@uta.edu.



On the Mediterranean and the Nile: The Jews of Egypt

BY AIMÉE ISRAEL-PELLETIER, PROFESSOR, MODERN LANGUAGES

Aimée Israel-Pelletier examines the work of five Egyptian Jewish writers, revealing issues of identity, exile, language, immigration, and much more for Middle Eastern Jews living in Islamic societies.



Finding Freedom in Confinement: The Role of Religion in Prison Life

EDITED BY KENT KERLEY, PROFESSOR AND CHAIR, CRIMINOLOGY AND CRIMINAL JUSTICE

Comprising contemporary research on faith and religion in correctional contexts, *Finding Freedom in Confinement* offers a scientific understanding of how faith plays a role in the everyday lives of prisoners.



Phantom in the Sky: A Marine's Back Seat View of the Vietnam War

BY TERRY L. THORSEN ('66 BS, BIOLOGY)

Phantom in the Sky is Terry L. Thorsen's account of his time (1966-70) as a radar intercept officer on a supersonic Phantom jet during the Vietnam War.

Crash Course



ENGL 2303/WOMS 2301 Badass Women

A WOMAN GRAPPLING WITH mental illness begins to see troubling patterns in the yellow wallpaper in her bedroom. A different woman travels through time to rescue her father from a dark planet. One could find many ways to connect these women and their journeys, but English Lecturer Bethany Shaffer narrows it down succinctly in the title of her English course: “Badass Women.”

“This course is designed to challenge the stereotype of a typical badass,” Shaffer says. “Students quickly learn how the definition can change when the word ‘women’ is added.”

In the beginning of the course, students develop a working definition of what that term means; as their studies progress, the definition evolves.

“This class helped me come into my own as a womanist and taught me how to critique art through a feminist lens,” says Ruba Akkad, who is majoring in English. “Recognizing, amplifying, validating, and celebrating the voices of women through multiple forms of art for a whole semester was refreshing, to say the least.”

While the class population is generally dominated by women, about 30% of Shaffer’s students are male.

“I had never been academically questioned about the intersection of oppression or heard it spoken out loud by other people in general,” says Omar Lazcano, a political science major. “I’ve come to understand that the course is not just an overview of some of literature’s most exceptional female characters, but an analysis of the timeline of women’s liberation told by some of the English language’s most prominent minds.”

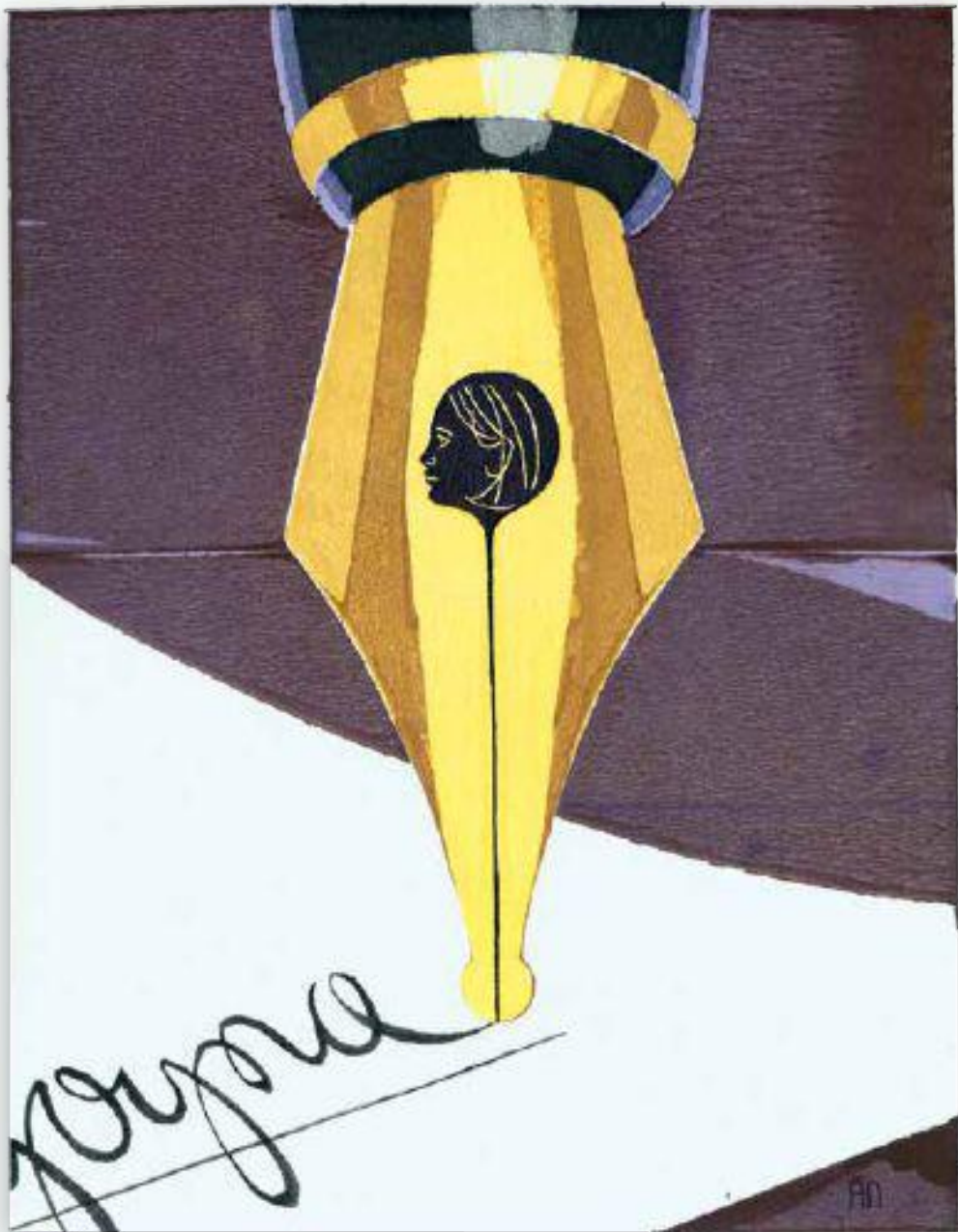


ILLUSTRATION BY ALEX NABAUM



REEF RESCUER

CORRALLING CORAL DISEASE

Biologist studies corals at the cellular level to help save diseased reefs

Since 2014, an infection has been killing coral reefs off the coast of Florida. More recently, that disease was reported in other areas of the Caribbean. Biology Professor Laura Mydlarz is working to uncover cellular mechanisms that may help corals overcome infections and other environmental stressors.

In a paper published in July, she and her UTA collaborators studied corals’ mitochondrial unfolded protein response to determine how it may help corals survive in stressful environments.

“Corals are the base of the ecosystem,” Dr. Mydlarz says. “Without live coral, the

reef doesn’t have the structure it needs to support life that relies on it. Understanding the existence of this gene means that there is now the potential to identify if corals are experiencing stress before they appear dead or bleached.”

In another study published late last year, Mydlarz sought to better understand why some coral species succumb to disease while others adapt, build immunity, and survive. She thinks cellular-level differences in immunity may contribute to these responses.

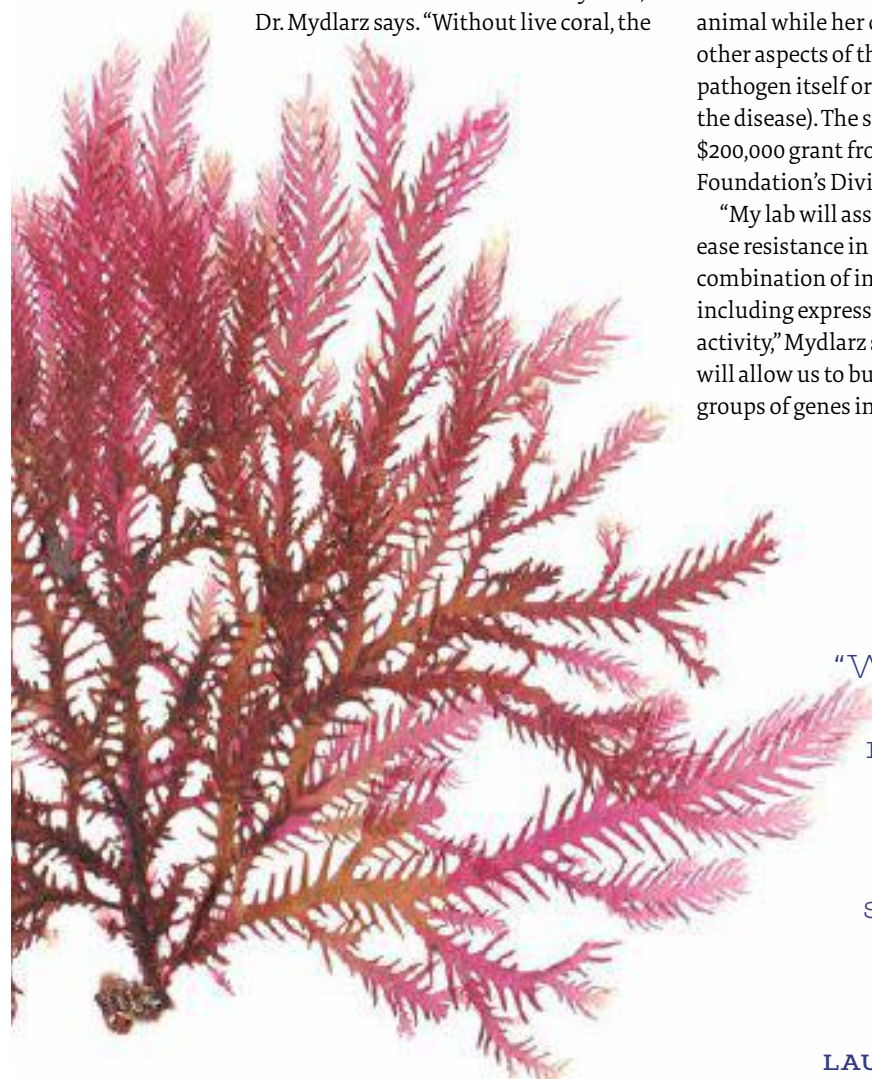
For this research, she studied the coral animal while her collaborators looked at other aspects of the problem (such as the pathogen itself or how water flow affects the disease). The study was funded by a \$200,000 grant from the National Science Foundation’s Division of Ocean Sciences.

“My lab will assess immunity and disease resistance in coral based on a unique combination of immune phenotypes, including expressed genes and protein activity,” Mydlarz says. “This approach will allow us to build pathways and turn groups of genes into immune traits.”



“Without live coral, the reef doesn’t have the structure it needs to support life that relies on it.”

PROFESSOR
LAURA MYDLARZ



MAV ROUNDUP



ART START

CREATIVE SCIENCE

Groundbreaking discoveries fueled by an artistic approach

Science and art may seem to represent a dichotomy, but Rhonda Prisby, associate professor of kinesiology in the College of Nursing and Health Innovation, would argue otherwise. Dr. Prisby, who has an undergraduate degree in art, sees the disciplines as intertwined.

“Like art, science allows me to come up with my own ideas, be creative, and ask, *what if?*” she says.

Currently, Prisby’s research focuses on vascular function in bone. Recently, she also made important discoveries related to the development of stroke, heart attack, and other cardiovascular ailments.

Prisby joined UTA in 2009, but left in 2012 to explore research opportunities elsewhere. UTA’s commitment to research soon drew her back to campus.

“I saw a great level of passion for research that went all the way up to President Vistasp Karbhari’s office,” she says. “Being surrounded by such a distinguished and encouraging group of colleagues is a rare opportunity, one I would be foolish not to take advantage of.”

Although her approach to research may be considered unconventional, Prisby believes her art training has been crucial to the way she sees the world.

“I used to think that my artistic ability was distinct from my scientific work,” she says. “I have come to realize it as an advantageous complement.”



SOFTBALL STUNNERS

POSTSEASON CHAMPS

In the 2019 softball season, Mavericks reached unprecedented heights

UTA's softball team finished third in the Sun Belt Conference with 17 wins, the most since joining the league in 2014. Over the course of the season, the Mavericks defeated three nationally ranked opponents (No. 16 Baylor twice, No. 13 Arkansas, and No. 13 Oklahoma State).

The team earned a third-straight postseason bid to the National Invitational Softball Championship (NISC). UTA went on to win its second-consecutive regional title before advancing to the Championship Round in Fort Collins, Colorado, where the team went 3-0 to claim its first NISC Championship with a 4-3 win over Iowa State.

Laura Curry became the first Maverick to lead the nation in any statistical category, finishing the season as the NCAA leader in hits (91). Her final numbers were good enough to earn a spot on the Honorable Mention Softball America All-America team, making her the second-ever Maverick to garner All-America status.

"Our players did a great job of staying together and staying focused," says Peejay Brun, head coach. "Our players embrace that we're going to do it from the heart and leave everything on the field."



SPORTING MAVS



MEDALING MAV

PARALYMPIC CHAMPION

Basketball star goes for gold

Abby Dunkin ('19 BS, Kinesiology) was always an active kid, participating in everything from basketball to martial arts. The sports served a therapeutic function, helping her with a chronic nerve condition. Dunkin played through discomfort until her senior year of high school, when a few treatment sessions didn't go as planned. She ended up in a wheelchair, and a few months later, received a new diagnosis—neurocardiogenic syncope dysautonomia with small fiber neuropathy.

"I didn't think that people with disabilities could be athletes or live an independent life," she says.

In the intervening years, Dunkin has not only lived independently, but also thrived as an athlete. A two-time wheelchair basketball national champion and All-American, she even won a gold medal with Team USA at the 2016 Paralympic Games in Rio de Janeiro.

"One of the big things people want in life is just to be loved and accepted, and I felt that here at UTA," she says. "Whether you've got a disability or not, everyone is so welcoming and supportive."

Dunkin graduated earlier this year, but her playing career is far from over. Her sights are set on another gold medal—at the 2020 Paralympic Games in Tokyo.



BIG HITTERS

LOADING THE WIN COLUMN

Maverick baseball hits a milestone

Led by Coach Darin Thomas, the Mavericks posted a 32-26 overall record last season, marking the 25th time in program history that UTA has won 30-plus games. The Mavs also secured the 1,400th win in program history March 30th, defeating South Alabama 9-7 at Clay Gould Ballpark.

"I'm excited about the future of UTA baseball," Thomas says. "I am ready to help this program continue to strive for championships in the Sun Belt Conference."

Senior right-hander Andrew Gross, who was named to the Midseason National Collegiate Baseball Writer Association (NCBWA) Stopper of the Year Award

Watch List, finished his senior campaign with a 2-3 record in 36 appearances with a conference-leading 17 saves. He posted a 4.11 ERA, .296 opponent batting average, and 46 strikeouts in 46.0 innings.

In Sun Belt play, Gross had 17 appearances, going 2-2 with nine saves and a 2.40 ERA. He is also an NCBWA 2019 Division I All-America Third Team honoree and ABCA/Rawlings Division I Central All-Region Second Team selection.

In June 2019, he became the 64th player in UTA baseball history to be selected in the Major League Baseball Draft when the Tampa Bay Rays chose him in the 39th round.

QUICK HIT
Former UTA star Hunter Pence was named a starter in the 2019 Major League Baseball All-Star Game for the Texas Rangers.

COACHING SUCCESS

HOOP HEIGHTS

Coaches guide Maverick men's and women's basketball teams to huge seasons

In his first season leading Maverick men's basketball in 2018-19, Chris Ogden guided his team—predicted to finish second-to-last in the Sun Belt Conference Preseason Poll—to a second-place finish in the regular-season standings and a berth in the Sun Belt Tournament Championship Game for the second straight year. At the conclusion of the season, Ogden was recognized as the Sun Belt Conference Coach of the Year.

In addition to that honor, Ogden was named the 2018-19 National Association of Basketball Coaches District 24 Coach of the Year. He was also a finalist for the Hugh Durham Award (presented annually to the nation's top mid-major coach) and the Joe B. Hall Award, given annually to the top first-year head coach in Division I.

The Mavericks, who returned a nation-low 3.2% of their scorers from 2017-18, played the seventh-hardest non-conference schedule in the nation to prepare them for the Sun Belt slate. UTA's nine-

spot improvement from preseason to final regular-season finish was tied for the best in the nation, and the Mavs return the vast majority of their roster for the 2019-20 season.

Krista Gerlich, also a 2019 Sun Belt Conference Coach of the Year, has guided a resurgence for the Lady Mavericks since being named head coach in 2013. Gerlich, who recently began her seventh season at the helm of the UTA women's basketball program, has accumulated more than 100 wins with the Lady Mavs.

The 2018-19 season was a special one for Gerlich and UTA as they concluded the year with 24 wins, which tied a program record for single-season victories.

The team also secured its first Sun Belt regular season championship, made its sixth postseason tournament appearance (WNIT), and won a postseason game for the first time in program history (excluding conference tournaments) with their WNIT first-round triumph over Stephen F. Austin State University.

QUICK HIT
Fresh off her team's first postseason championship, Peejay Brun signed a contract extension to remain the Mavericks softball head coach through at least the 2022 season.



RECORD RUNNERS

OUTPACING THE REST

Pair caps memorable track and field seasons

Justin Domangue and Vanessa Ugorji were standout contributors when they claimed prestigious Sun Belt Conference accolades following the 2019 outdoor season. The year also included SBC men's team championships in both cross country and indoor track.

Domangue was named the Men's Most Outstanding Track Performer at the SBC meet. He scored a conference individual-best 20 points for UTA with a trio of podium finishes in distance events, placing second in the 3,000-meter steeplechase and third in both the 5,000-meter and 10,000-meter. His steeplechase clocking was the second fastest in conference meet history.

On the women's side, Ugorji was named the Sun Belt Women's Freshman of the Year. Ugorji was the runner-up in the 400-meter with a school record and personal best time of 54.01 in the finals.

"Justin and Vanessa were terrific," says Coach John Sauerhage. "They are very deserving of their honors, and their best races are still ahead of them."

Both runners were among 15 Mavericks who claimed entrance into the NCAA West Preliminary Round. At the NCAA Championships in June, seven UTA competitors—all graduating seniors—earned a total of 10 All-America honors.





MANAGING THE WORLD'S WATER

Access to clean water is a global human right, and water fuels power to remote areas across the world. UTA researchers are working to help manage the dwindling resource. **BY SARAH BAHARI**



IN CITIES ACROSS the world, 2.2 billion people lack access to clean and safe drinking water, according to the World Health Organization. Some 4.5 billion do not have safe sanitation services. By 2025, half of the world's population will be living in water-stressed areas. As the global crisis grows, UTA researchers are working across disciplines to develop both public policy and science-based solutions for supporting water quality around the world.

Their work highlights UTA's commitment to making a global environmental impact and improving health and the human condition, both key pillars of the University's Strategic Plan: Bold Solutions | Global Impact.

Adrian Parr, dean of the College of Architecture, Planning, and Public Affairs, captured the world's struggle for water in her documentary *The Intimate Realities of Water*, which followed the everyday lives of four women living in Nairobi, Kenya. The film was shown at the Paris Climate Talks in 2015 and went on to win more than a dozen awards at independent film festivals worldwide.

"Water is quickly becoming the new oil," Dr. Parr says. "A finite amount is available, and we are consuming it at unsustain-

able rates. As it becomes scarcer, it also becomes much more valuable."

Safe and readily available water is crucial not only for human survival, but

also economic development, energy, healthy ecosystems, and more. The United Nations recognizes access to water as a global human right.

"Protecting our water supply is among the most pressing issues of the 21st century,"

says Duane Dimos, UTA's recently retired vice president for research. "UTA is well-positioned to be a global leader in groundbreaking water research that will sustain future generations."

THIRSTY AND DROWNING
For the first time in history, more than

half of the global population lives in towns and cities rather than rural areas. By 2050, that is expected to grow to two-thirds, according to the United Nations.

"Exploding urban growth presents unprecedented challenges for water and sanitation," Parr says. "How can urban development enhance, rather than harm, watersheds? That is our challenge."

Parr studies these issues as part of her role as a UNESCO chair of Water and Human Settlements. Straddling the intersection of architecture, environmental activism, sociology, and philosophy, she seeks to humanize water data.

In 2019, Parr plans to release a new documentary, *Thirsty and Drowning in America*, which follows three Native American tribes in South Dakota, Louisiana, and Alaska as they struggle to fight the effects of climate change and water pollution. Parr says she hopes the documentary will serve as a wake-up call.

"From Africa to the United States, disadvantaged communities are struggling

Clockwise from top

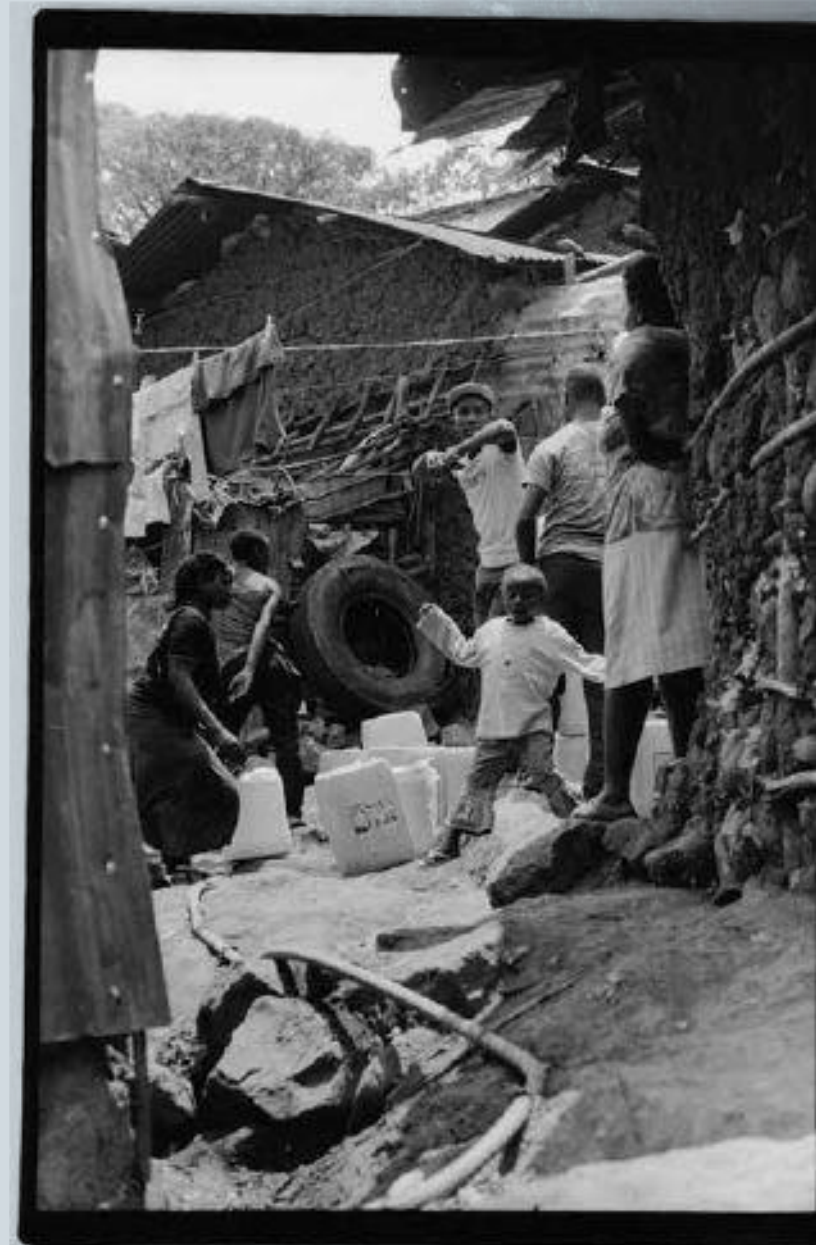
Adrian Parr, center, talks with local community leaders during the making of her documentary.

Large jugs of water are filled for daily use. It is not unusual for residents to travel up to 20 minutes for clean water.

Alice, a resident of Dagoretti in Nairobi, collects water.



PHOTOGRAPHS COPYRIGHT BY JON HUGHES



DOCUMENTING DRINKING WATER DIFFICULTIES

Photographer Jon Hughes accompanied Adrian Parr to Nairobi, Kenya, to document daily life in the slums there for Dr. Parr's documentary, *The Intimate Realities of Water*.

Water Works

with water, including contamination and rising sea levels related to climate change,” she says. “We tend to be a little oblivious about what is going on here.”

Parr now wants to highlight issues facing North Texas, particularly population growth and the management of the Trinity River Watershed.

To provide a forum for discussion, she worked with Michael Zaretsky, Nick Fang, Meghna Tare, and Kevin Sloan, all from UTA, to develop Future Cities, Livable Futures: Watershed Urbanism, a region-wide conference focused on sustainable urban-watershed management and environmental impacts of transportation, climate change, and economic and population growth along the Trinity River Watershed.

Funded by the National Science Foundation, the conference drew approximately 200 public planners, engineers, and architects to UTA in August 2019.

“The Trinity River Watershed is in our own backyard and will be re-envisioned as a model for future urban watershed management and planning across the United States,” Parr says. “The watershed urbanism conference brings together professionals from diverse disciplines, from engineers and hydrologists to urban planners and environmental activists, to shape the future of the watershed.”

Some of the same issues will be featured prominently in an exhibition called *Water and Human Settlements* that Parr was invited to curate as part of the European Cultural Center’s exhibitions held in conjunction with the 2020 Venice Architecture Biennale.

The biennale, which runs from May to November 2020, is an international architecture exhibition that occurs in Venice, Italy. Featuring cutting-edge work from across the globe, it is considered one of the most important events for cultural critics, investors, and designers.

Four teams of CAPPA and UTA faculty are creating pieces that explore how water and human settlements interact, with a focus on the North Texas region.

“Dallas-Fort Worth is growing rapidly and faces enormous challenges surrounding our use and management of water,” Parr says. “The biennale will be an

opportunity to bring attention to these issues and present UTA and DFW on an international stage.”

CLEAN DRINKING WATER

Non-stick cookware. Stain-resistant fabric. Pizza boxes.

These common household products share a dangerous trait. They are made with a class of chemicals—known as per- and polyfluoroalkyl substances, or PFAS—linked to various illnesses, including cancer, high cholesterol, and developmental problems in young children.

PFAS leach into our water and soil. In fact, studies show that some 6 million Americans are drinking water contaminated with the chemicals.

Hyeok Choi, associate professor of civil engineering at UTA, is developing a system that would clean up contaminated water and soil identified by the U.S. military.

“Nearly all Americans are exposed to PFAS,” Dr. Choi says. “Once released into the environment, they do not break down easily. They have been called ‘forever chemicals.’”

The U.S. military uses foams that contain PFAS to fight hydrocarbon-based fires. In a study by the Environmental Protection Agency, researchers found



contaminated soil and groundwater near the areas where the foams are made and used.

Choi received about \$200,000 from the U.S. Department of Defense to devise a method to clean up the soil and water on these sites. He is working with Junha Jeon, associate professor of chemistry.

Decomposing PFAS is difficult because they contain extraordinarily strong carbon-fluorine bonds. So Choi and Dr. Jeon are using technology that combines oxidation and reduction, essentially using reduction technology first to replace fluorine with hydrogen. Defluorinated PFAS are much more vulnerable to chemical oxidation and decomposition.

In addition to the chemical decomposition, Choi also uses activated carbon-based nanomaterials that first adsorb PFAS and then decompose them through oxidation and reduction.

“PFAS are used in so many of our everyday products, yet they are incredibly toxic,” he says. “This technology

could help clean up the drinking water for 6 million Americans and future generations.”

PROTECTING OUR WATER

The Alpine High field lies in far West Texas in the oil-rich Permian Basin.

When Apache Corporation discovered it contained roughly 15 billion barrels of oil, it turned to UTA’s Collaborative Laboratories for Environmental Analysis and Remediation (CLEAR) to study ground and surface water quality in the region.

Led by Director Kevin Schug, UTA’s Shimadzu Distinguished Professor of

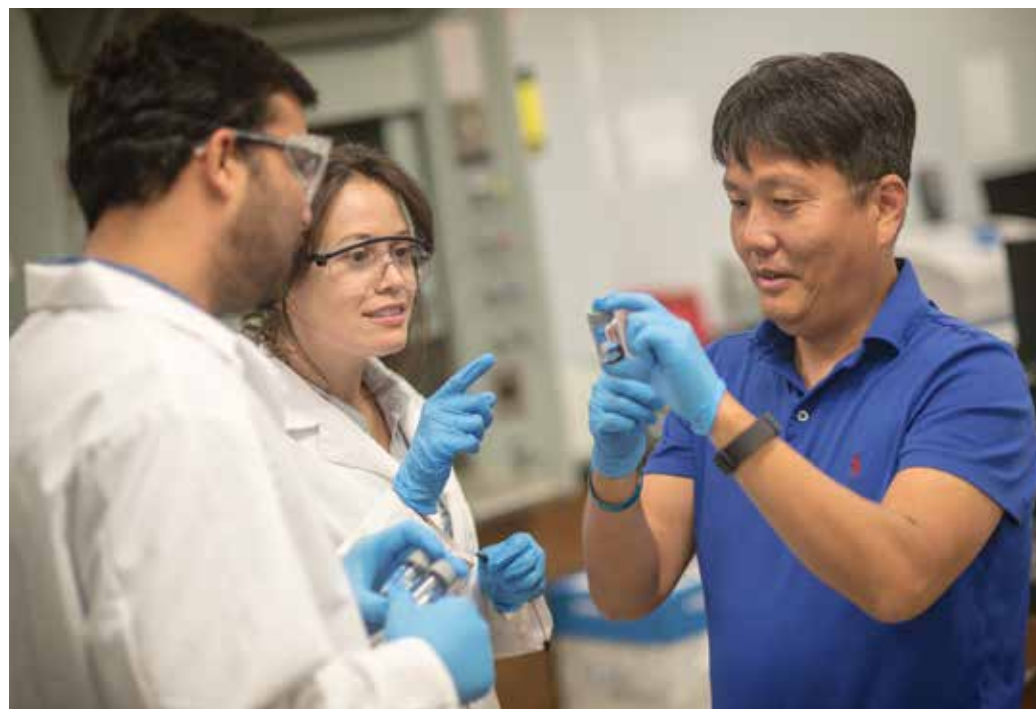
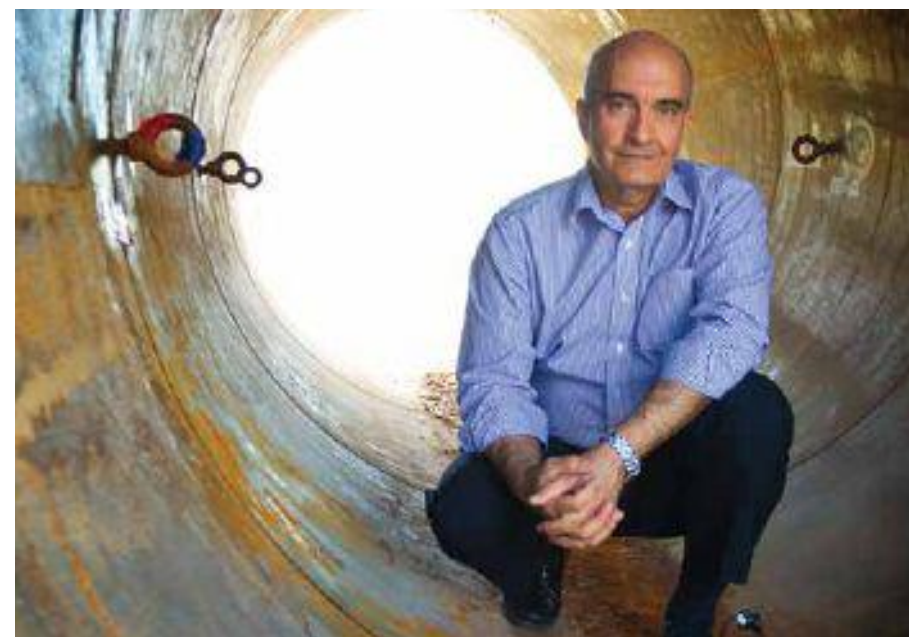
Analytical Chemistry, the laboratory is conducting baseline and ongoing studies of the water in an effort to protect the area’s sensitive ecology and water resources.

CLEAR is also evaluating the effectiveness of environmentally

friendly well stimulation additives and any efficiencies that oil and gas well completions may gain from using such additives.

“Water is life. In addition to clean water for drinking, without adequate water there would be no electricity, no fuel, no plastics. Human life would come to a complete stop.”

Clockwise from top
Kevin Schug, Shimadzu Distinguished Professor of Analytical Chemistry; Mohammad Najafi, director of UTA’s Center for Underground Infrastructure Research and Education; and civil engineering Associate Professor Hyeok Choi (in blue).



“This is a terrific and unique opportunity to partner with oil and gas industry experts to expand knowledge of best drilling practices,” Dr. Schug says. “This data will be useful to monitor future drilling operations in Texas and beyond.”

WATER FOR POWER

Tucked into the corner of Northeast India, the Kameng River flows 164 miles long, cutting through West Kameng.

Large pipes carry storm water from the river to a nearby power plant, Kameng Hydro Electric Plant, which provides hydroelectric power to nearby Indian communities. Pipes face frequent leaks, however, stunting their efficiency.

Mohammad Najafi, director of UTA’s Center for Underground Infrastructure Research and Education (CUIRE) is partnering with the Indian Society for Trenchless Technology to work with the government of India to solve the problem.

“This research could put CUIRE on the international map,” Dr. Najafi says. “Hydroelectric power is used around the world. Making that system more efficient, environmentally friendly and cost-effective would have long-lasting benefits.”

During the 16-month project, Najafi will analyze defects in penstocks (the large-diameter pipes that transport water), then provide analysis, testing, and recommendations for repair and rehabilitation using trenchless technologies.

First, the team is working to identify where the penstocks, each about a mile long, are leaking.

“From there, we can determine what materials and methods and how much to use to best repair the system,” says Najafi. In this case, he says, carbon and glass fiber reinforced pipe are the likely choices because they are strong, do not corrode, and can be manufactured to any size.

Najafi, who has worked on previous cases in China, Brazil, and Colombia, says this project could benefit communities worldwide and the environment.

“Water is life. In addition to clean water for drinking, without adequate water there would be no electricity, no fuel, no plastics. Human life would come to a complete stop.” **UTA**

The Illustrious **Allan Saxe**

Hundreds of alumni answered the call when we asked for their favorite Allan Saxe memories.

ILLUSTRATIONS BY ASAF HANUKA

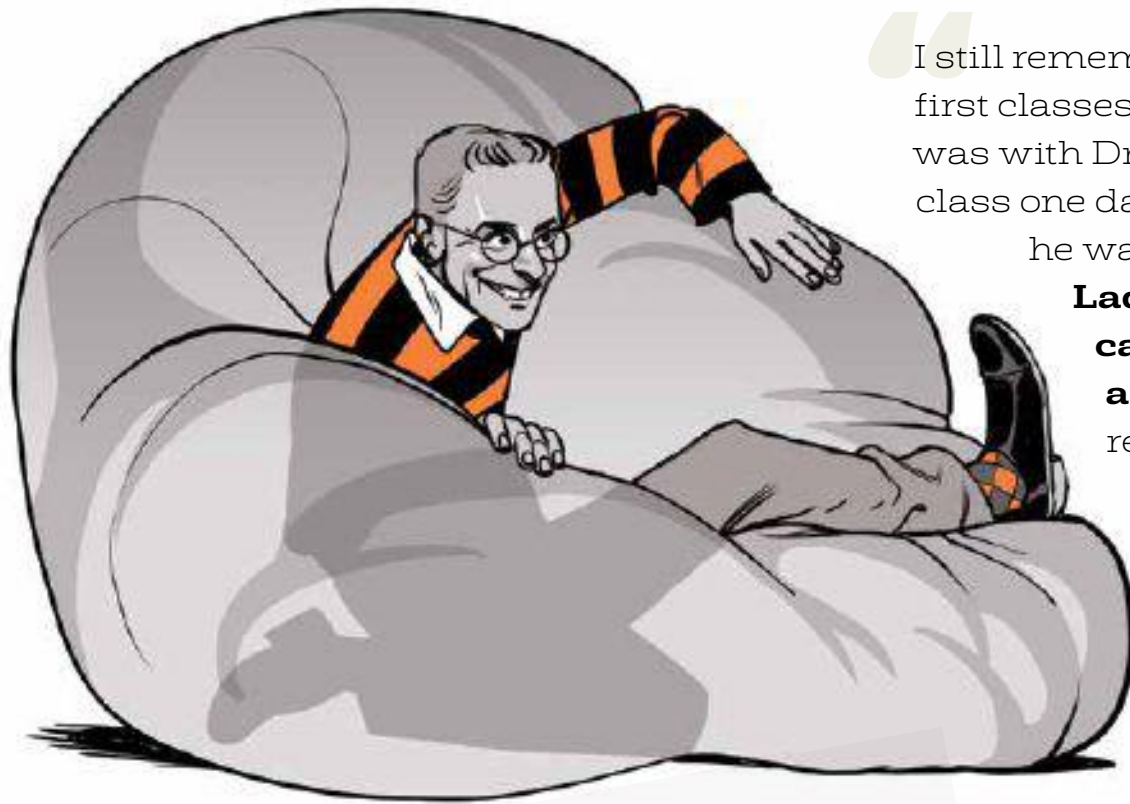
IN 1965, a legend was born on the UTA campus: Allan Saxe became a faculty member in the Department of Political Science. In the intervening years, he became known for his passion for politics, his quirky classroom lectures, and his overwhelming generosity and kindness. He packed lecture halls as a must-take professor. He gave freely of his time—supporting generations of students inside and outside the classroom—and also his money, funding developments all over UTA, the city of Arlington, and North Texas. Fifty-four years later, Dr. Saxe has stepped down from his post at UTA, but his impact endures.



By far, Dr. Saxe was my **absolute favorite professor** while at UTA. I made sure to arrange my schedule so I could have one of his classes. He was engaging, funny, smart, and made you think about things in new ways. I enjoyed my time in his class more than any other.

—TIM NEATHERY ('91 BS, ECONOMICS)





I still remember one of my first classes as an undergrad was with Dr. Saxe. He started class one day stating that he wanted to be like **Lady Gaga** and be **carried to class in an egg** and then be reborn. I have never laughed so hard in a class. He was by far the most entertaining professor.

–NICOLE LANGEBOG
(’14 BS, MANAGEMENT)



In Dr. Saxe’s “Issues in Civil Liberties” class, after he spent class time talking about how much he **hates love**, I secretly went to his classes and to his office on Valentine’s Day and put hearts and love notes all over the place. His reaction was, “Oh my, now this is fabulous,” as he grinned from ear to ear. I never admitted it to him. *Shhhhhh.*

–DANIELLE GONZALEZ
(’02 BA, POLITICAL SCIENCE)



The *Thriller* video says it all!

– HERA JHAVEIR
(’07 BA, EDUCATION)

Wonderful professor and all-around great human! He is incredibly generous, thought-provoking, and humble. And he is UTA’s biggest champion.

–ALYSSA STAATS
(’10 BBA, MARKETING)



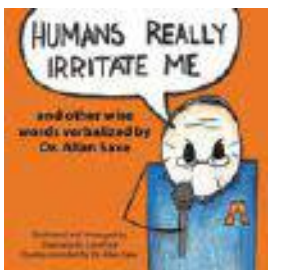
I took his “Politics of Arlington, Texas,” class, and the paper I wrote was “Why the Dallas Cowboys will Move to Arlington.” Dr. Saxe graded me a B+ and told me **it would never happen**. It was written before the days of saved files on computers, and I wish I could find it! Thank you very much, Allan Saxe! I graduated from college because I loved attending your class, and I rarely would miss it.

–MATT DEWITT (’04 BS, POLITICAL SCIENCE)



I never knew the guy or took any of his classes, but I do starkly recall the moment I first wiped out on a long board attempting to round **Allan Saxe Circle** at a speed that was way too fast. That little sign is forever engraved in my memory: “Allan Saxe Circle.” Good times!

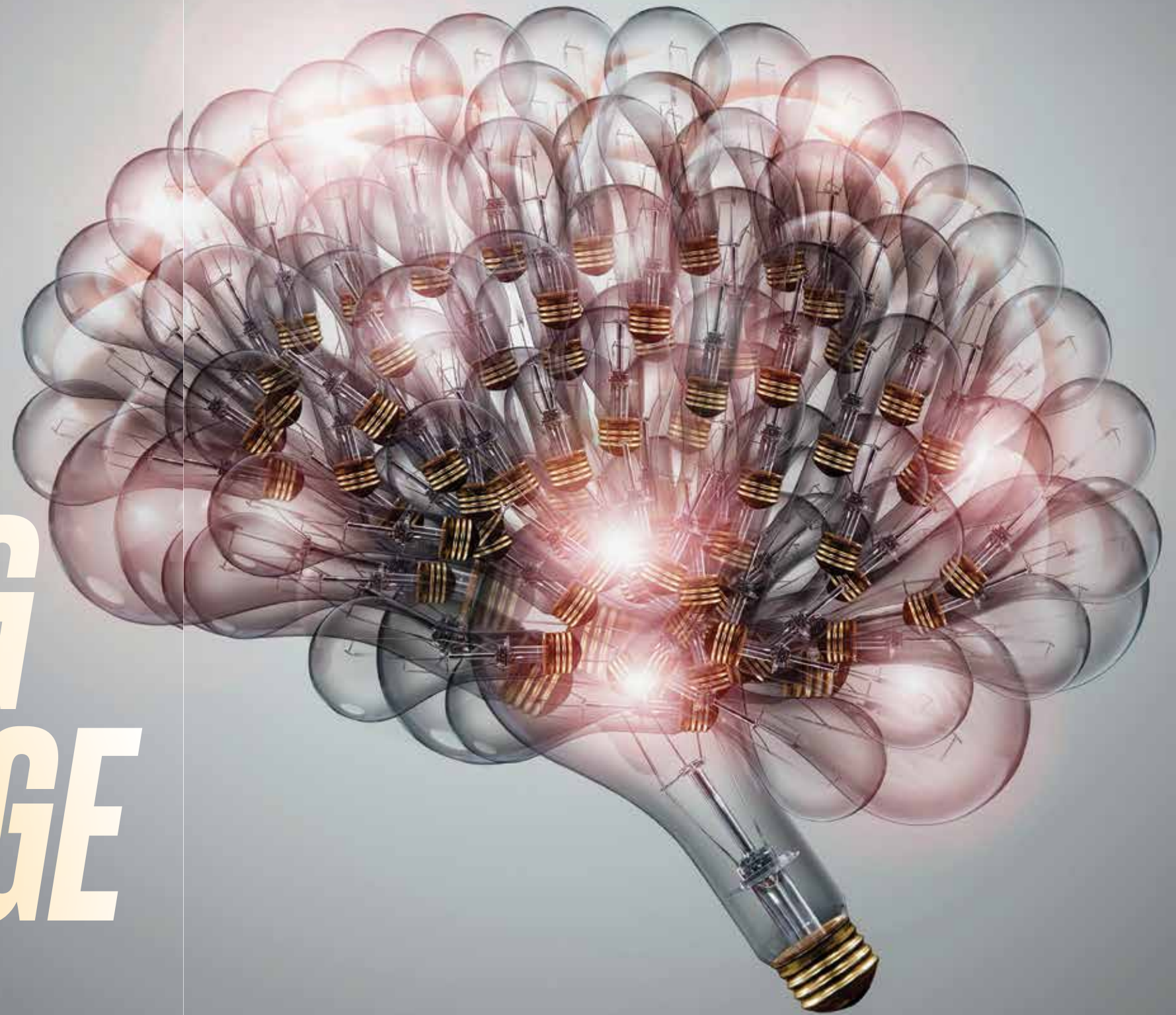
–FRANCISCO VILLARREAL (’17 BS, ELECTRICAL ENGINEERING)



At the suggestion of nearly everyone, Eliamaria Crawford (’14 BFA, Theatre Arts) took an Allan Saxe class to fulfill the political science requirement for her degree. “I would take notes on one side of my notebook and write down his memorable quotes on the other,” she says. Those notes became comic strips for *The Shorthorn* and eventually a book, *Humans Really Irritate Me*. “I’m honored he let me do so,” she says.

ILLUMINATING KNOWLEDGE

In the spring 2019 semester, UTA tripled the number of National Academies members on its faculty and successfully reached another important milestone on its trajectory to becoming the model 21st-century urban research university. BY DANA JENNINGS



SINCE THEIR FORMATION, the National Academies of Science, Medicine, and Engineering have been the foremost authorities on impactful research in the U.S., providing expert advice on some of the most pressing challenges facing the nation and world. Election as a member of the National Academies is a high honor given only to individuals credited with making significant contributions that advance their fields of work.

For a university, having members of the National Academies on faculty is an indicator of a first-class, enriched, diverse educational and research environment. UTA had a longstanding goal to elevate the total number of National Academy faculty members to five, which would make the University eligible to be considered for the Texas Legislature's National Research University Fund—also known as Texas Tier One.

This spring, the University reached that critical benchmark.

A SEASON OF GROWTH

Longtime faculty member Dereje Agonafer was elected to the National Academy of Engineering in February, bringing UTA's number of National Academy faculty numbers

to three. He joined Kenneth Reifsnider, another National Academy of Engineering member; and David Nygren, a member of the National Academy of Sciences.

In March, UTA recruited two top scientists to its faculty: Florence Haseltine, a member of the National Academy of Medicine, and Surendra Shah, a member of the National Academy of Engineering. The pair's arrival cemented UTA's status as a destination campus for renowned researchers.

For good measure, UTA announced in July that National Academy of Engineering member Jim Coleman would be joining the faculty. In the span of just five months, UTA grew its National Academies faculty from two to six.

UTA's National Academies faculty members contribute tremendously to the University's research and learning environment with their vision for discovery and passion for sharing knowledge that strengthens society.

While their work is packed with scientific minutia, each National Academy faculty member manages to focus on what really matters to them: the impact their work can have.

DEREJE AGONAFER

Dereje Agonafer's election to the National Academy of Engineering highlighted his distinguished leadership, as well as his research on data center and computer cooling, which he says is critical for efficiency and device reliability.

"Our growth in next-generation devices has slowed down because of trouble with these devices overheating," says Dr. Agonafer, a Jenkins Garrett Professor and Presidential Distinguished Professor. "There is a bottleneck in development, especially as it applies to heterogeneous integration, and it's a significant challenge. It's exciting to be involved in solving that challenge."

While Agonafer is proud of his research and its impact, he is also proud that he has advised 223 UTA graduate students. He says that guiding these promising minds is his greatest passion.

A major reason Agonafer was attracted to UTA is the concentration of companies in the Metroplex. His continued collaboration with some of the biggest names in industry, like Facebook, has furthered the impact of his work.

"There is tremendous opportunity here for myself and others to do big things and form partnerships with these companies," Agonafer says. "With my National Academy appointment, I'm going to be able to expand my resources and equipment significantly so UTA can be a major resource for the DFW area, Texas, and the nation. UTA achieving Tier One status is significant as we will be able to advance the way we help local industries grow and prosper."

FLORENCE HASELTINE

■ Presidential Distinguished Professor in the College of Nursing and Health Innovation and Executive Director of Health Research

■ College of Nursing and Health Innovation

■ National Academy of Medicine member since 1993

■ Joined UTA in 2019



DEREJE AGONAFER

■ Jenkins Garrett Professor and Presidential Distinguished Professor in the Department of Mechanical and Aerospace Engineering

■ College of Engineering

■ National Academy of Engineering member since 2019

■ Joined UTA in 1999

FLORENCE HASELTINE

Florence Haseltine joined UTA as a Presidential Distinguished Professor in the College of Nursing and Health Innovation and as executive director of health research. She has been at the forefront of health technology since the early 1980s and has led the way for advances in contraception and women's research for over 27 years.

Dr. Haseltine is former director of the Center for Population Research of the National Institute of Child Health and Human Development at the National Institutes of Health (NIH), founder of the Society for the Advancement of Women's Health Research, and a fellow of the National Academy of Inventors for her innovations in the field of reproductive sciences.

"In my years at the NIH, we were able to change the landscape of health research by establishing a focus on treating and researching women independently," Haseltine says. "But of course, there is still more work to do."

She was elected to the National Academy of Medicine in 1993 and says she has since realized how difficult it is to achieve that honor.

"The attention of the National Academies is naturally drawn to the think tanks on the east and west coasts," Haseltine says. "With more National Academies members coming to UTA, we can draw attention to excellence in this community and elevate the faculty here."



SURENDRA SHAH

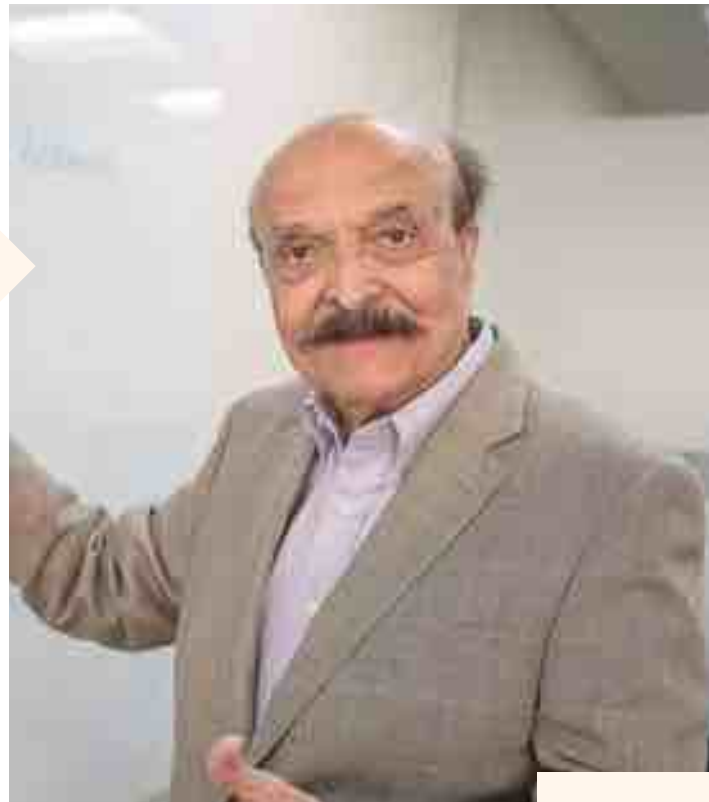
Surendra Shah, director of the new Center for Advanced Construction Materials and Presidential Distinguished Professor in the College of Engineering, says he is proud to be a part of the burgeoning engineering community at UTA—bolstered by four members of the National Academy of Engineering—because of the vital role engineers play in society.

Dr. Shah was director of the pioneering, interdisciplinary National Science Foundation-funded Science and Technology Center of Excellence on Advanced Cement-Based Materials at Northwestern University. He is world-renowned for his research on cement-based materials and is currently leading a revolution in nanomaterial applications to concrete.

“As more people migrate to urban areas, we need reliable infrastructure while also being mindful of the environment and sustainability. That’s what I strive to do in my work,” Shah says. “The administration at UTA is supportive of that vision and is allowing me to combine disciplines to achieve it.”

Shah is a foreign member of three prestigious academies: Chinese Academy of Engineering, Indian Academy of Engineering and Athens Academy.

He says membership in the National Academies enhances scholarship because of the interaction it promotes, though he is eager to see more women and young scientists join to broaden and strengthen the perspectives offered.



SURENDRA SHAH

- Presidential Distinguished Professor of Advanced Construction Materials and Director of the Center for Advanced Construction Materials
- National Academy of Engineering member since 2006
- Joined UTA in 2019

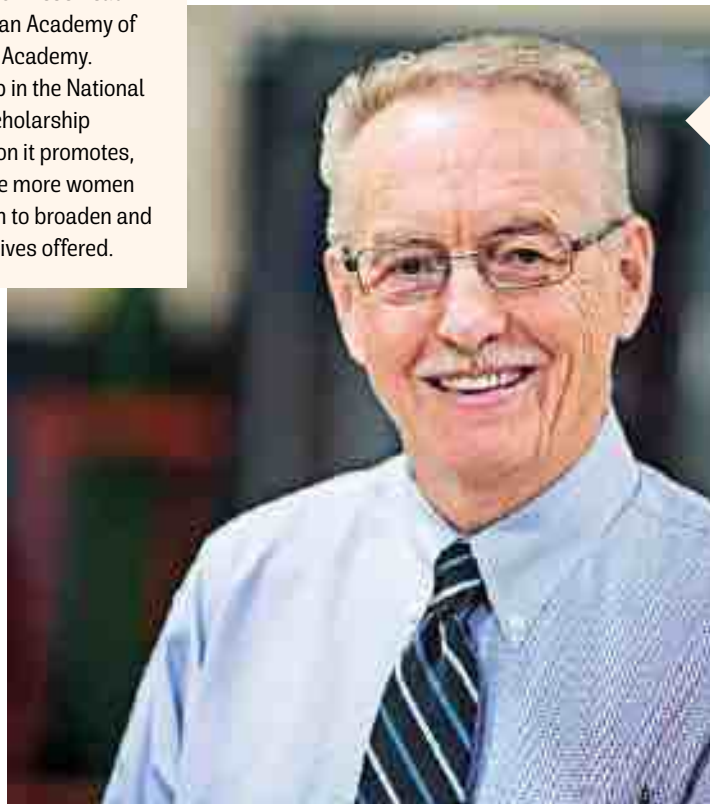
KENNETH REIFSNIDER

Kenneth Reifsnider, Presidential Distinguished Professor in the College of Engineering and director of the Institute for Predictive Performance Methodologies, is an international expert on composite materials and has pioneered their development and application to aerospace structures, fuel cells, jet engines, and turbines.

“This has been my life for over 30 years,” Dr. Reifsnider says. “The field has changed dramatically from someone crawling around inside an airplane wing looking for a hole to a very sophisticated orchestra of instrumentation and methodologies.”

His work specifically focuses on understanding the performance of a product to predict its longevity and when it needs attention for upkeep and repair, with the ultimate aim of preventing unexpected failure and disaster.

“Coming to UTA in 2015 seemed like a good opportunity to pursue the most modern version of my work,” he says. “UTA is growing and evolving in a big way, which is exactly how I would describe the field I’m in. I knew I needed that in an academic community.”



KENNETH REIFSNIDER

- Presidential Distinguished Professor and Director of the Institute for Predictive Performance Methodologies
- College of Engineering, UTARI
- National Academy of Engineering member since 2004
- Joined UTA in 2015

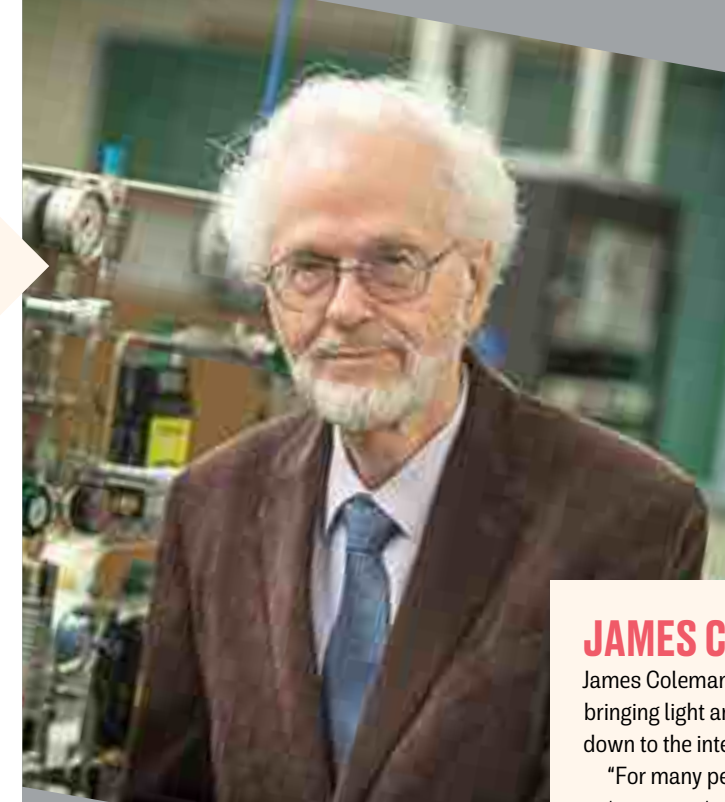
DAVID NYGREN

David Nygren, Presidential Distinguished Professor of Physics, describes his work as “opportunistic physics.” He says he’s spent his career leaping between disciplines of physics, motivated by the pursuit of improving experimental techniques and devising not only new tools, but also new ways of doing things.

Dr. Nygren’s innovations provide a way of looking at the matter of the universe with the potential to take scientists back to the first moments of the Big Bang to understand the nature of creation.

“UTA has a first-class high-energy physics group, certainly the strongest group in Texas,” he says. “I was drawn to work with this group and was given tremendous support to start and pursue my ideas, which has led to great success for me and my team.”

What Nygren describes as his “bucaneering way of science” has opened up his work to other applications, like when he recognized that the techniques of particle physics could offer a real advantage in medical imaging and successfully applied them to mammography.



DAVID NYGREN

- Presidential Distinguished Professor of Physics
- College of Science
- National Academy of Sciences member since 2000
- Joined UTA in 2014

JAMES COLEMAN

James Coleman’s work is focused on bringing light and electrical signals down to the integrated circuit.

“For many people, a desktop computer seems to be an electronic computer. But just outside your view, that desktop connects to lasers and optical fiber systems,” Dr. Coleman says. “What we’re trying to do is build the same system down into the integrated circuit of your computer. Photonics depends on more and more data, more and more computation. Introducing light to this computation model brings another dimension to what currently exists.”

Coleman had been at the University of Texas at Dallas since 2013. Before that, he was the Intel Alumni Endowed Chair of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign for 31 years and course director of the Integrated Circuits Fabrication Laboratory. He has also worked in the private sector at Rockwell International and Bell Labs.

UTA’s strengths in materials science, engineering, physics, and electrical engineering drove Coleman’s decision to bring his research to UTA.

“My interest is in developing a photonic research presence here in North Texas,” he says. “UTA is reaching a critical mass in working on photonics research. I hope to add to that and help it grow.” [UTA](#)



JAMES COLEMAN

- Presidential Distinguished Professor of Photonics
- National Academy of Engineering Member since 2012
- Joined UTA in 2019



A PATH FORWARD

When personal struggles get in the way, UTA is there with strategic, dedicated support to help students stay focused on their goals and find personal and academic success. **BY HILLARY GREEN**

TAKING CARE OF students is the essential function of any university, and at UTA, it is our No. 1 priority. That's why we provide services that not only help students achieve academic and professional success, but also persevere through any personal struggles that may serve as barriers to those successes.

According to the 2018 National College Health Assessment, 53% of students reported that they felt like things were hopeless and 41% said they felt so depressed it was difficult to function. The survey also found that the top four barriers to a student's success were stress, anxiety/depression, lack of sleep, and illness.

A one-year follow-up survey of freshmen conducted in fall 2018 found that nearly three-quarters of UTA students who did not reenroll for classes said that personal factors contributed to their decision. When students do not have their most basic needs met, the likelihood of their academic success sharply decreases.

"How can we possibly expect students to succeed academically when they are worried about all of these other things?" asks Heather Snow, dean of students.

Recognizing these growing personal and mental health concerns for college students across the country, UTA has instituted a number of initiatives to not only combat these barriers to success, but to prevent them.

COMPASSIONATE MAVERICKS

UTA launched the Community that Cares initiative in spring 2017, bringing together student well-being resources from across campus into one hub. Programs like Counseling and Psychological Services (CAPS), the Center for Students in Recovery, the Behavior Intervention Team, and more are now linked together under one umbrella so students easily know where to go to get help.

The Community that Cares message is presented at each New Maverick Orientation, ensuring that new students know that UTA is there to provide dedicated, caring support before classes even start.

"We can't eliminate that students are going to face challenges," says Snow, "but we want them to know the best thing to do is stay in school and that we're here to help them."

Snow, who chaired the Community that Cares task force with School of Social Work Dean Scott Ryan, says the team spent a year researching the impediments students face. That research led to a detailed action plan that included new programming, increased communication about services, and hiring professionals who are experts in mental health. One of the new hires is Jonathan Johnson, assistant vice president for health and wellness. The position oversees Health Services, Campus Recreation, the Office for Students with Disabilities, and CAPS.

"There is no one single challenge to resolve or simple solution to inclusively meet the needs of such a diverse student population at UTA," Dr. Johnson says.

MIND MATTERS

Mental health is a major component of a student's well-being. Negative thoughts, self-doubt, anxiety, and

depression can take a toll on students and impact their academic success. CAPS plays a critical role in both preventive and crisis mental health situations.

CAPS saw a 19% increase in visits over the past year and interacted with nearly 8,000 students during outreach events. To address the growing need from students, CAPS expanded to offer expanded services, increasing flexibility and accessibility of its outreach. When the West Campus Residence Hall and the Commons opened last year, CAPS recognized a need for a presence on West Campus and added offices in the Maverick Activities Center. They also extended hours into the evenings and on the weekend and added eight full-time clinicians to ensure student wait time is minimal.

Students also benefit from on-demand counseling services whenever and wherever they are. TAO (Therapy Assisted Online) Self Help provides learning modules, videos, and practice tools to address anxiety and other concerns. The UT System initiative is entirely online, bringing mental health resources to UTA's online and out-of-state students like never before.

CAPS also supervises Active Minds, a UTA student

organization whose mission is to change the conversation about mental health. A key goal of the group is to reduce the stigma surrounding mental illness and suicide prevention. Last spring, the group hosted the national *Send Silence Packing* exhibit, which placed backpacks across the Library Mall. Each backpack contained stories and photos of those across the country who died by suicide. The stark reminder serves to facilitate a dialogue between the student organization, their peers, and professional counselors. Members of Active Minds provided information about mental health resources and discussed the stigma surrounding asking for help.

CARE THROUGH CRISIS

When students experience an unexpected crisis, their entire world can be upended. A crisis that impacts students financially can jeopardize their ability to attend UTA. One way the University is helping to address this challenge is the Emergency Assistance Program. The program provides monetary assistance for short-term crises that can impact basic needs and living circumstances, like rent, utilities, emergency shelter, essential

The new CAPS location in the Maverick Activities Center has allowed UTA to offer mental health services to more students.





A student volunteer stocks UTA's Food Pantry, which offers free nonperishable food items for any student experiencing food insecurity.



personal items, or medical care.

Biochemistry senior Mia Perkins had life throwing everything at her—she was between jobs, hungry, and overwhelmed. But she was able to apply for assistance and get the help she needed.

“The Emergency Assistance Program gave me security,” Perkins says. “It’s nice to know that assistance will be available for you so you can get back on your feet.”

Over 800 applicants like Perkins have applied for temporary assistance over the past four years. Around 70% of students who have received assistance have stayed enrolled at UTA or successfully graduated with a degree—showing that with just a little assistance from UTA during tough times, students can go on to succeed.

While the Emergency Assistance Program can address some financial issues, UTA is going further to ensure students’ basic needs are met.

The UTA Follett Student Leadership Center and UTA Volunteers have partnered with the Christian Campus Center, known as Tri-C, to address food insecurity

through the UTA Food Pantry. The Food Pantry provides students with a mix of nonperishable foods to reduce their monthly food costs. The pantry is open for distributions every other Thursday, but students struggling with food insecurity can work with staff at any time to shop in the pantry. Additionally, the International Student Organization has partnered with the Episcopal Church in Arlington to create an on-campus delivery service for food and necessities, including international cuisine.

Student homelessness is another area UTA is working to combat. Currently, UTA has an emergency placement unit that students can use temporarily until permanent housing—which is often occupied—can be found.

Seeing the growing need to address homelessness on college campuses, Brent Little decided to approach UTA with a proposition. A former Maverick and current president of Fountain Residential Partners, Little has a deep affection for what he calls his “hometown school.” His company opened 848 Mitchell Apartments this fall, and

1% of the units available will be designated for at-need UTA students. Students will apply for the housing, and based upon their need, will be offered rent-free housing at the new complex.

Little is determined to bring change, not just to UTA, but to the entire Dallas-Fort Worth Metroplex. Most commercial apartments operate with a typical vacancy of 3-5%. Little is challenging other developers to dedicate 1% of their rooms to UTA students facing housing insecurity.

“Number one, it’s the right thing to do,” says Little. He also adds that since the residences always have open space, giving back to the community and supporting students costs the business nothing.

SUPPORTIVE PARTNERSHIPS

Many of these initiatives have previously existed at UTA, but a new committee is focused on working strategically to better collaborate and share resources across campus. Dax Kuykendall, director of Campus Recreation, and Angela Middleton, director of Health Services, chair the

Wellness Committee.

The Wellness Committee, alongside the UTA Community that Cares initiative, is also partnering with several national initiatives to improve student well-being on campus: Exercise is Medicine, Partnership for a Healthier America, and JED Campus.

Exercise is Medicine bridges the gap between physical and mental health.

Students can participate in group therapy exercise classes, and the program will focus on making movement a part of the daily campus culture. Students visiting CAPS or the UTA Health Center may even be prescribed exercise as part of their health plan.

UTA is also part of the spring 2018 cohort for the Partnership for a Healthier America: Healthier Campus Initiative. The program challenges each university partner to meet 23 of 41 guidelines that support healthy lifestyle choices in three years. The Wellness Committee created several new initiatives to support the guidelines, including goat yoga, Care Week, and increased access to the food pantry.

A new initiative that kicked off this fall is a partnership with the JED Foundation. JED Campus is a signature program of the foundation and guides schools through a comprehensive process to improve existing student mental health services, address substance abuse concerns, and help prevent suicide. This fall, JED Campus conducted a student survey to better assess key triggers and barriers to UTA student success.

TAKING ACTION

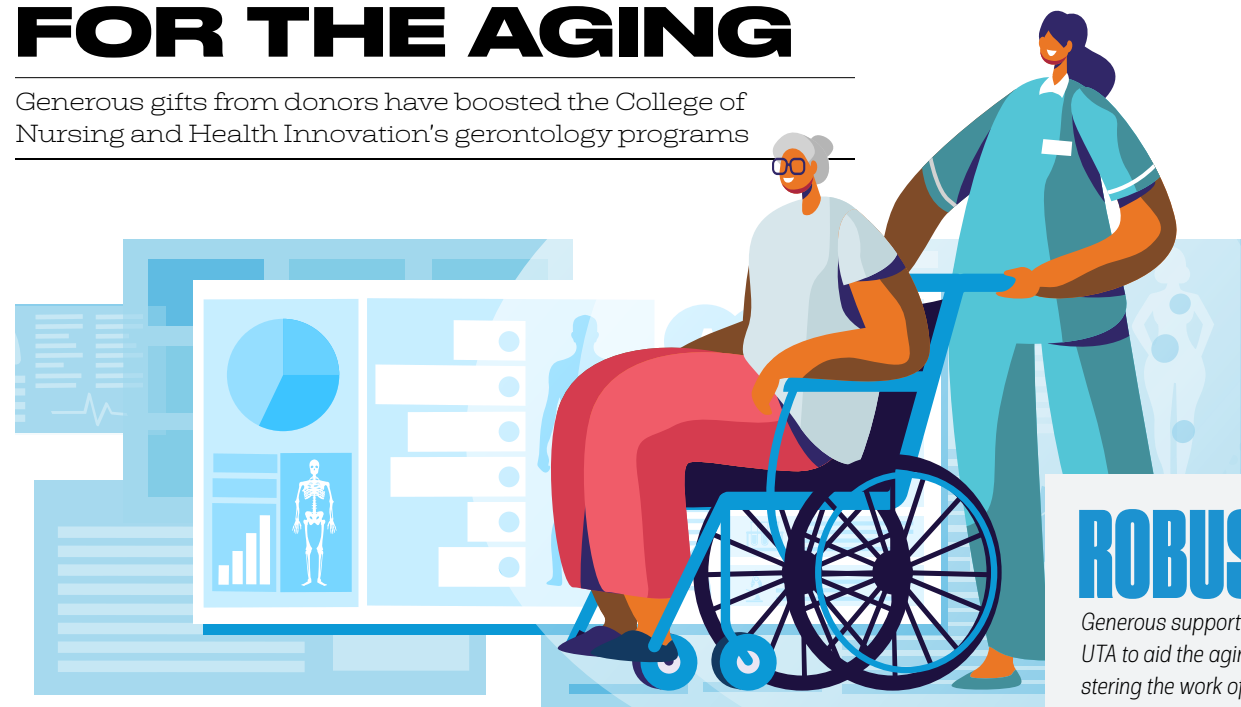
At a time when issues like anxiety, food insecurity, and depression are affecting college students across the country, UTA is committed to harnessing existing resources and creating new services to ensure that all students have the best opportunity to succeed.

“These are not problems that we created, or problems that we really have a capacity to solve, but we’re taking the responsibility to do something,” says Snow. “It speaks volumes to the type of institution that we are and that we try to be.” **UTA**

“It’s nice to know that assistance will be available for you so you can get back on your feet.”

INNOVATION FOR THE AGING

Generous gifts from donors have boosted the College of Nursing and Health Innovation's gerontology programs



ROBUST CARE

Generous support from donors allows UTA to aid the aging population by bolstering the work of researchers like these.

GERONTOLOGY LEADER



Kathryn Daniel, associate professor of nursing and director of the Adult and Gerontologic Nurse Practitioner Programs, was inducted into the American Academy of Nursing's 2019 Class of Fellows.

MUSCULOSKELETAL EXPERT



Marco Brotto, the George W. and Hazel M. Jay Professor in the College of Nursing and Health Innovation, is tackling sarcopenia and osteoporosis in his research. Sarcopenia, the progressive loss of skeletal muscle mass and muscle strength, is prevalent in the aging population and affects 30-45% of people over the age of 60.

specially skilled nurses and conducting research that addresses health concerns that the elderly population often faces.

CONHI's efforts are bolstered through support from similarly invested and inspired donors like the Moritz family, who established the Moritz Chair in Geriatrics. The chair enables the University to advance research in the growing field of elder care. The Deerbrook Charitable Trust also recently made a transformational \$4.7 million gift to the college to fund scholarships, create an endowed faculty position, and bolster the gerontology graduate nursing program.

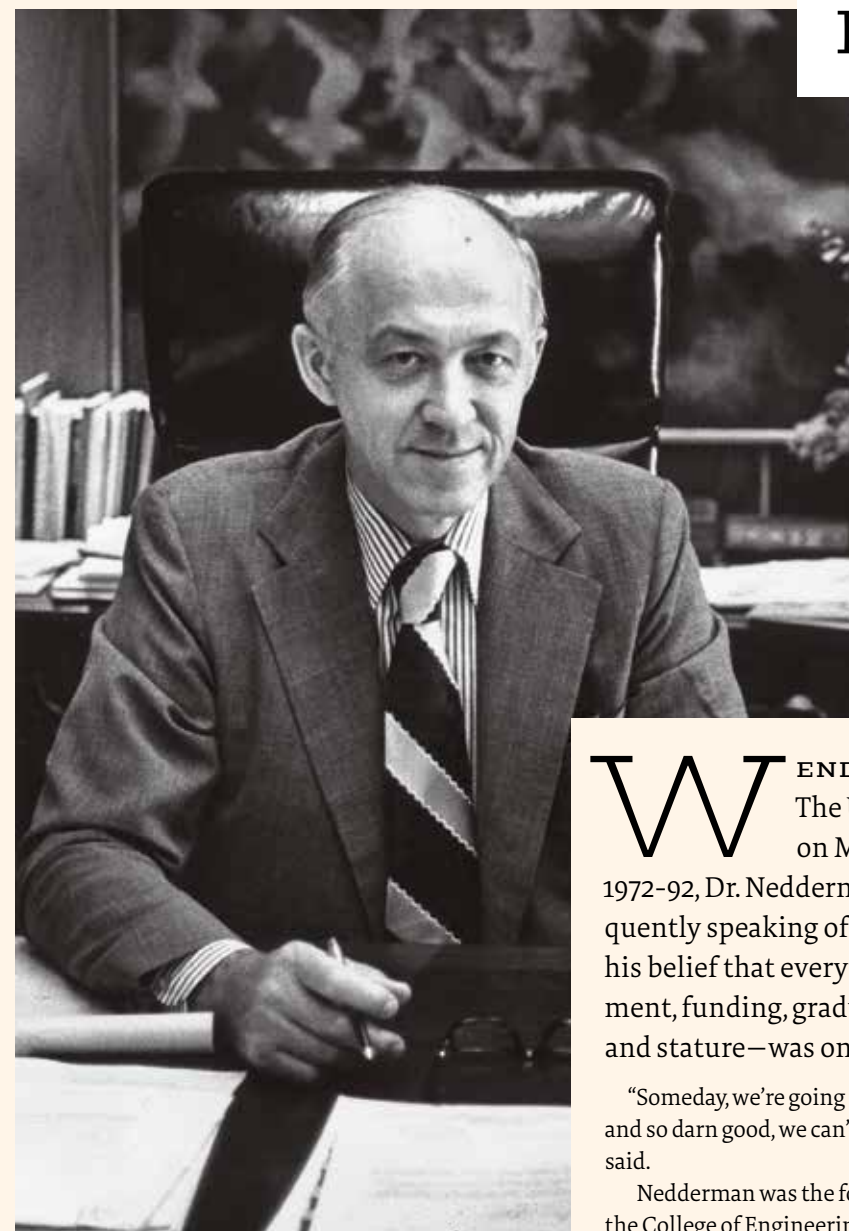
"We focus on adapting to the changing needs of the nursing profession, including areas such as gerontology," CONHI Dean Elizabeth Merwin says. "To that end, creating more specialized instruction and more scholarship opportunities so our students can concentrate on their studies is of utmost importance."

AMERICA IS GOING gray. According to the Population Reference Bureau, the elderly population is projected to nearly double by 2060, from 52 million in 2018 to 95 million.

But health care in America isn't keeping up. The nation's demand for geriatricians is projected to steeply outpace supply at least through 2025. AGS—the American Geriatrics Society—states that what the nation needs now is more geriatrics experts and more geriatrics training for our health workforce.

UTA's College of Nursing and Health Innovation (CONHI) is leading the way in meeting this critical shortage. Aided by significant gifts from two generous donors, CONHI is building a robust gerontology program that focuses on training

IN MEMORIAM



Remembering a Giant Among University Leaders

WENDELL NEDDERMAN, who was president of The University of Texas at Arlington for 20 years, died on May 8, 2019. He was 97. As the leader of UTA from 1972-92, Dr. Nedderman was a tireless advocate for the University, frequently speaking of UTA as a "positive-slope institution." It reflected his belief that everything about the University—including its enrollment, funding, graduation rates, degree programs, and overall growth and stature—was on a permanent upward trajectory.

"Someday, we're going to be so darn big and so darn good, we can't be ignored," he said.

Nedderman was the founding dean of the College of Engineering, arriving on campus in 1959 convinced that what was then Arlington State College was destined to grow, given its location between Dallas and Fort Worth.

After a decade under his leadership, the engineering college became one of the largest and best in the Southwest.

In the late 1960s, he served in a number of key positions, sometimes simultaneously. He was dean of engineering (1959-69), vice president for research and graduate affairs (1967-68), graduate school administrator (1967-69), and vice president for academic affairs (1968-72). In 1972 he became acting president, and

in 1974, president. During his two-decade tenure as president, enrollment nearly doubled, including a four-fold increase in graduate students.

UTA President Vistasp Karbhari said that Nedderman set the foundation for the University's transition from a small local college to one of the largest and best-reputed universities in Texas.

"President Nedderman was an inspirational leader, far ahead of his times in his vision for The University of Texas at Arlington, and his passion and dedication to excellence and student success set the standard and bar high for all those who follow him," Dr. Karbhari said. "Our University is where it is today—a national powerhouse and a leader in teaching, research, and outreach—because of the path that he set and the battles he fought for UTA. His legacy will be felt for years to come, and he will always be remembered as a giant among university leaders."

"President Nedderman was an inspirational leader, far ahead of his times in his vision for The University of Texas at Arlington."

CLASS NOTES

The latest professional updates from our talented alumni all over the world.



MAVERICK HOMECOMING

The 2019 Homecoming celebration can best be described in one word: epic. Mavericks and friends of the Maverick community packed the campus to enjoy a week of Mav mania, including spirit contests, a chili cook-off, alumni reunions, a parade, and plenty of sports.

2019 DISTINGUISHED ALUMNI AWARD RECIPIENTS

The University of Texas at Arlington honors exemplary community members who represent the University through professional achievement and community engagement. Each year, these alumni and friends are recognized at the Distinguished Alumni Awards banquet held on the UTA campus.

DISTINGUISHED ALUMNI



SHAHRZAD AMIRANI
(’89 BA, Chemistry; ’93 PhD, Business Administration)
Vice President, Head of New Products & Innovation, Ipsen



JACOB MONTY
(’91 BA, History)
Managing Partner, Monty & Ramirez LLP



MICHAEL B. RAY
(’76 BS, ’78 MA, Mathematics; ’81 PhD, Mathematical Sciences)
Distinguished Science Advisor (Ret.), ExxonMobil

DISTINGUISHED COMMUNITY SERVICE



**THE HONORABLE
KELLY HANCOCK**
*State Senator, District 9
Texas State Senate*



**THE HONORABLE
CHRIS TURNER**
*State Representative, District 101
Texas House of Representatives*



**THE HONORABLE
W. JEFF WILLIAMS, PE**
Mayor, City of Arlington

DISTINGUISHED RECENT GRADUATE



WENDY OKOLO
(’10 BS, ’15 PhD, Aerospace Engineering)
Aerospace Research Engineer & Sub-Project Manager, NASA Ames Research Center

1965

Al Ellis
(BA, History) was named a Legal Legend by the Dallas Trial Lawyers Association. A trial lawyer of 45 years, he is a past president of the Dallas Bar Association and a member of the International Academy of Trial Lawyers. A Maverick Battalion ROTC alumnus, Ellis was named a UTA Distinguished Alumnus in 2011 and a member of the Military Science Hall of Honor in 2013.

1976

William Dawson
(MS, Geology) recently retired after 38 years in the international petroleum industry. During his career, Dr. Dawson was involved in research, exploration, and training activities in more than two dozen countries. He published 70 technical papers.

Deborah Lynn Mosby
(BA, Sociology) was promoted to professor of human services at Metropolitan State University in St. Paul, Minnesota. She oversees the Alcohol and Drug Counseling program in the Department of Human Services.

1978

Ed Speyers
(MA, Applied Linguistics) published a 200-page book called *Burn Your Bed*, an autobiography of his

life as a Bible translator in South America.

Kelcy Warren
(BS, Civil Engineering) was appointed to the UT System Board of Regents by Gov. Greg Abbott. Warren is chairman and CEO of Energy Transfer Partners. He serves on the UTA President’s Advisory Board and is a member of the Texas Parks and Wildlife Commission.

1980

Steve Parker
(BBA, Marketing) has been elected chairman of the board of directors for the National Bank of Texas (NBT) in Fort Worth. He joined NBT in 2010 and served as president of its Azle Bank until his retirement in 2017. He was elected to NBT’s board in 2011. He has more than 40 years of banking experience.

1981

Deborah Messemer
(BBA, Management Information Systems) was appointed to PayPal Holdings’ board of directors.

1985

Tarek Alzien
(BS, Industrial Engineering) has been hired as vice president of operations for Boomerang Tube LLC, an oil tubular goods producer in Houston, Texas. Previously, he was vice

president of supply chain and operations for South-West Oilfield Product Inc.

Jason Burnette
(BBA, Operations Management) has been hired as business director for Liphatech Inc. in Milwaukee, Wisconsin.

1986

Darryl Brewer
(BA, Speech Communication), owner of Magic Carwash & Detail, has been named the new economic development manager of the Fort Worth Metropolitan Black Chamber of Commerce.

1987

Ademola “Peter” Adejokun
(BS, Physics; ’90 BS, Computer Science and Engineering) was appointed by Gov. Greg Abbott to the Texas Board of Professional Engineers. Adejokun is a software engineer with Lockheed Martin Aeronautics Company. He serves on the Industry Advisory Board for UTA’s Computer Science and Engineering Department.

Rose Mary Lindemann Gatlin
(BS, Architecture) serves as chief financial officer for Inwood Estates Vineyards Inc. and as general manager of Inwood Estates Winery & Bistro, specializing in winery and tasting-room design in the Texas Hill Country.

“UTA’s nursing program has prepared me for the diverse and dynamic field of nursing today and in the future.”

— **DORETH HOSANG**
(’13 MSN, NURSING)
*Clinical Resource Nurse,
Harris Health System*

**FILL
US IN**

You never call.
You don’t write. We miss you! Email us at classnotes@uta.edu and let us know what is keeping you so busy.

Steven Morris
(BA, Theatre Arts) has been named executive director of Theatre Arlington. In 2018, Morris joined the theater as interim executive producer after retiring as theater director for 27 years at Arlington’s Lamar High School. He has been associated with Theatre Arlington since 1977, when he ushered as a high school student and later performed as an actor. In 1984, he became the theater’s first director of children’s theater.

1988

Lee Mulcahy
(BA, French; ’01 PhD, Humanities) exhibited his paintings at the Carbondale Council for the Arts in February 2019, The Collective in Snowmass Village in March 2019, and throughout the year at his Bauhaus Gallery in Aspen. He will be exhibiting in Art Basel Miami in December 2019 and Beijing’s 798 in 2020.

1990

Robert Morris
(BS, Biology) has been appointed to the Lake Arrowhead Community Services District board of directors in Lake Arrowhead, California.

1992

Vidya Ramnath (MS, Industrial Engineering) was named president of Emerson Automation Solutions in the Middle East and Africa. Emerson is a global engineering and technology company.

Gregory Ropp (BS, Industrial Engineering) was selected as an associate technical fellow by The Boeing Co. The Boeing Technical Fellowship program is a highly selective technical leadership career path.

Michael Thurston (MArch, Architecture) is a senior project manager at Spiegle Architectural Group Inc., which has offices in New Jersey, New York, Pennsylvania, and Maryland. Previously with HDR Inc., he has 27 years of experience creating acute health care environments.

1997

Angie Owens (MBA, Business Administration) was named vice president and corporate controller for American Airlines. She joined American in 1992 and has held roles in corporate accounting, investor relations, internal audit, and the credit union. She serves on the board of directors for CUNA Mutual Group.

“My alma mater is doing the little things that become the big things, not just in our community, but worldwide.”

— LARRY KEMP
(’80 BBA)
Chief Operations
Officer, Kemp & Sons

2001

Joe Gumm (BA, Broadcast Communication) is an anchor at KXXV-25 in Waco, Texas. He is an Emmy and AP award-winning journalist who has worked for ESPN Radio, FOX Sports, Time Warner Cable, and Comcast SportsNet. He hosts a travel show with his family online.

Major Michael E. Murray (BA, Criminal Justice), a judge advocate with the U.S. Army, has been assigned as the chief of the Military Justice Division at Fort Jackson, South Carolina. He earned a Master of Laws degree from the Judge Advocate General’s Legal Center and School.

2002

Sharisse Stephenson (MS, Biology), a board-certified headache and brain injury medicine specialist, wrote a Q&A column about migraines for BlackAmericaWeb.com.

2003

Cretia Basham (MEd, Educational Leadership and Policy Studies) was named principal at Hajek Elementary School in Burleson, Texas.

2004

Matt Caldwell (MS, Health Care Administration) was named president of Bon Secours St. Francis Health System in Greenville, South Carolina. Previously, he was president of Mercy Health in Springfield, Ohio; CEO of Tennova Healthcare in Tennessee; and CEO of Dallas Regional Medical Center.

2005

Cody Cartusciello (BS, ’07 MArch, Architecture) has been promoted to managing principal of EYP Architecture & Engineering’s Dallas office.

Chad Edwards (MCRP, City and Regional Planning) is the city of Fort Worth’s new mobility and innovation officer.

2007

Mark Duffy (MS, Accounting) has been named partner at Whitley Penn. A certified public accountant, he assists clients in the energy, real estate, professional services, international tax, manufacturing and distribution, and state and local tax sectors.

2010

Mercy Mumba (BSN, Nursing; ’16 PhD, Nursing Science) was honored with the Southern Nursing Research Society’s Early Science Investigator Award, which is given annually to a nurse scientist who shows potential to develop a sustained program of research to enhance nursing science and practice. She also was called “the youngest Zambian professor” in a profile in the *Zambian Observer*. At age 29, she is as an assistant professor in the Capstone College of Nursing at the University of Alabama.

2011

Michael Schwartz (MEd, Educational Leadership and Policy Studies) has been named principal at Ursula Stephens Elementary School in Katy, Texas.

Alfred Vega (BBA, International Business) was named chief credit officer at Community Bank & Trust in Corsicana, Texas.

2012

D.J. Gross (BSN, Nursing) has been hired as nurse practitioner at Ozarks Medical Center in Winona, Missouri.

Sherqueena Jackson (MEd, Curriculum and Instruction) was named principal of Irving Elementary School in the Cleburne Independent School District.

Valerie Landry (MBA, Business) is manager of the Sanford House Inn and Spa in Arlington, Texas.

2013

Rachel Cardwell (BA, History/Pre-Law; ’15 MA, Political Science) joined Faegre Baker Daniels, a full-service law firm, to practice with the firm’s business litigation group. She graduated cum laude in 2018 from the University of Minnesota Law School.

Bailey Wynne (MS, Health Care Administration) was appointed by Gov. Greg Abbott to the statewide Health Coordinating Council. She is a clinical pharmacist at the University of Texas Southwestern Medical Center in Dallas.

2014

Demetrus Liggins (PhD, Educational Leadership) was named superintendent of the Greenville Independent School District in Texas.

Omar Sandoval (BS, Information Systems), who works with the nephrologists and endocrinologists at UT Physicians Multispecialty-Bellaire, was honored at the *Houston Chronicle’s* Salute to Nurses Luncheon.

2016

Margarita Aguirre (MArch, Architecture) works for HKS and is part of the team designing Globe Life Field, the soon-to-be new home of the Texas Rangers.

Kim Arnold (BSN, Nursing) was profiled in the March 2019 issue of *D Magazine* for choosing to attend UTA to pursue a career in nursing after eight years caring for her critically ill son. She is a pediatric cardiology nurse at Children’s Health in Dallas.

2017

Tricia Lyday (MEd, Educational Leadership and Policy Studies) was named principal at Frazier Elementary in the Burleson Independent School District.

2019

Cody Hogan (MEd, Educational Leadership and Policy Studies) was hired as the full-time athletic director/football coach for the Stanton Independent School District in Texas.



Wendy Okolo (’10 BS, ’15 PhD, Aerospace Engineering) shared her personal experiences at UTA with a rapt crowd at Texas Hall during the annual MavsMeet Convocation. In her speech, she discussed her time as president of the Society of Women Engineers and as a resident assistant at Kalpana Chawla Hall. “To my fellow Mavericks, you are the only you here,” she said. “No one else has your perspective, so bring your full self to everything that you do. You are special and different, and we need that.”

“I can’t believe it’s been 37 years since I graduated. I really cherish those wonderful days.”

— MOHAMMED
AQEL
(’83 MS, CIVIL
ENGINEERING)
General Manager,
Central Trading
Company

IN MEMORIAM

Morgan Woodward



84, Feb. 22, Paso Robles, California. The Arlington, Texas, native majored in music and theater at North Texas Agricultural College in 1946–48. He was named a Distinguished Alumnus of UTA in 1969. In 2010, he created an endowment benefiting the Film Studies program in the College of Liberal Arts. Woodward was best known for his recurring role as Marvin “Punk” Anderson on the television show *Dallas* and for his portrayal of Boss Godfrey, the sunglasses-wearing “man with no eyes” in the film *Cool Hand Luke*.

ALUMNI

1940s

Eleanor Hawkins Coke
(’42 AS, Science) 96, Feb. 28, Dallas, Texas.

Ray Lowry
(’48 BS, Electrical Engineering) 90, March 30, New Smyrna Beach, Florida.

1960s

Earl Milton Johnson
(’61 BS, Engineering) 90, March 7, Arlington, Texas.

James “Ottie” Cribbs
(’62 BBA, Business) 86, March 10, Mansfield, Texas.

Heinz Joseph Christian Wichterich
(’62 BS, Electrical Engineering) 84, July 17, Burleson, Texas.

Guy Thomas Strother
(’65 BA, History) 75, May 28, Fort Worth, Texas.

Virginia Pearl Heise Carver
(’66 BS, Biology) 76, June 8, Miami, Florida.

Clifton Abernathy
(’68 BS, Chemistry) 73, March 5, Arlington, Texas.

Billy Michael Haga
(’68 BFA, Advertising Design) 70, May 6, Grand Prairie, Texas.

Robert Earl Bates
(’69 BA, History) 81, Feb. 10, Sulphur Springs, Texas.

Nancy Kay Fletcher
(’69 BA, English) 74, Feb. 11, Norman, Oklahoma.

Gene Lunt
(’69 BBA; ’72 MBA, Business Administration) 72, July 5, Fort Worth, Texas.

Ronald Smith
(’69, BA, History) 75, Feb. 5, Dallas, Texas.

1970s

Sally Cole
(’70 BFA, Art) 80, March 2, Arlington, Texas.

Joseph R. Ewen Jr.
(’70 BBA, Business) 75, Feb. 27, Buda, Texas.

Jerry Rogers Fawcett
(’70, BS, Architecture) 71, May 29, Dallas, Texas.

Gary Paul Thyfault
(’70 BBA, Accounting) 76, May 2, Sunnyvale, Texas.

Helen Joan Biscan
(’71 BA, Sociology) 72, Jan. 5, Louisville, Kentucky.

Michael Louis Potter
(’71 BBA, Business) 70, May 4, Grand Prairie, Texas.

Betsy Jo Ann Kelly Lester
(’72 MSSW, Social Work) 75, June 17, Grand Prairie, Texas.

Demmie Lee Mosley
(’72 BS, Electrical Engineering) 71, April 21, Fort Worth, Texas.

Lelah Lou Ann Fuller
(’73 BA, English) 85, March, Linden, Texas.

Shelby Hershel Blaydes Jr.
(’75 MSSW, Social Work) 76, April 11, Fort Stockton, Texas.

Beverly Clare Dunbar Boggs
(’75 BA, Speech) 66, Feb. 25, Niceville, Florida.

Richard “Dick” Wells
(’75 BA, History) 70, April 7, Arlington, Texas.

Norman Noe Garza
(’76 BS, Psychology) 65, March 16, McAllen, Texas.

Sharon Elaine Mauldin
(’76 BBA, Accounting) 72, May 6, New Braunfels, Texas.

Bessie White Weed
(’76 MSSW, Social Work) 89, Jan. 29, Dallas, Texas.

Donald R. “Ben” Benjamin
(’77 BA, Journalism) 89, June 1, Sachse, Texas.

Sam Herrin
(’77 BS, Mechanical Engineering) 64, Feb. 26, Arlington, Texas.

Jacqueline Louise James
(’78 BA, Political Science) 62, Jan. 23, Arlington, Virginia.

Colleen Corbett Schumacher
(’78 BSN, Nursing) 65, May 17, Fort Worth, Texas.

1980s

Pam Gilbert Brooks
(’80 BA, Journalism) 63, March 22, Fort Worth, Texas.

Shaaron Salyer-Fulkerson
(’80 MSSW, Social Work) 81, Feb. 17, Dallas, Texas.

Clydia Belle Taylor
(’80 BSN, Nursing) 90, March 29, Stamford, Texas.

Paul Keith Denney
(’81 MArch, Architecture) 63, July 18, Paris, Texas.

Mary Lou Kelly
(’81 MSN, Nursing) 85, July 3, Fort Worth, Texas.

Gary Wayne Carpenter
(’82 MBA, Business Administration) 73, March 24, Fort Worth, Texas.

Jeanne Marie Tighe Moran
(’82 BA, Political Science) 89, June 21, Lavallette, New Jersey.

Terence Russell
(’82 BS, Political Science) 63, Feb. 24, Hillsboro, Texas.

Mary Kelly Woodard
(’82 MS, Political Science) 83, April 5, Hideaway, Texas.

Celeste M. Clark
(’83 BSN, Nursing) 65, June 15, Aledo, Texas.

Wilma Faye Edwards
(’83 MSSW, Social Work) 82, July 12, Lubbock, Texas.

Ron Manns
(’84 MS, Psychology) 65, April 3, Georgetown, Texas.

Rhonda Kay Sims
(’84 BBA, Business) 66, May 30, Abilene, Texas.

John Craig Threadgill
(’85 BBA, Marketing) 65, March 5, Dallas, Texas.

Ann Reban Enos
(’86 MSN, Gerontological Nurse Practitioner) 83, April 7, Denton, Texas.

Donnie Earl Uselton
(’86 BBA, Business) 60, April 14, Arlington, Texas.

Richard Bullock Price
(’87 MA, Urban Affairs) 64, Feb. 4, San Antonio, Texas.

Dan Van Cleve
(’87 BA, Journalism) 72, June 8, Pflugerville, Texas.

1990s

Dana Sue Dunlap
(’90 BBA, Real Estate/Finance) 55, April 24, Spring, Texas.

Frederick B. “Lico” Reyes
(’78 BS, Mathematics) 73, Aug. 20, Arlington, Texas. An entertainer, DJ, and Arlington icon, Reyes worked with the Texas Public Workers Association and advocated for civil rights through the League of United Latin American Citizens.

Phillip Harvey Kundes
(’93 BSN, Nursing) 60, June 23, Lawton, Oklahoma.

Amy Keller
(’94 BA, English) 53, April 8, Arlington, Texas.

Kenneth Wells
(’96 BSN, Nursing) 67, Jan. 16, Denison, Texas.

Jerry Criddle
(’99 BA, Art) 57, June 20, Fort Worth, Texas.

2000s

Stephen Lee Madison
(’00 BS, Information Systems) 45, April 26, Grand Prairie, Texas.

Walter H. Delashmit Jr.
(’03 PhD, Electrical Engineering) 74, Feb. 14, Justin, Texas.

2010s

Mary E. Eaton
(’11 BFA, Art) 71, Feb. 23, Euless, Texas.

Rachel Diane Escamilla
(’12 MSSW, Social Work) 32, March 11, Dallas, Texas.

Cassandra Ortenblad Kernstine
(’12 BSN, Nursing) 60, March 3, Dallas, Texas.

Charlotte Natalie Hyde
(’17 BS, Criminal Justice) 44, April 26, Manhattan, Kansas.

FACULTY & STAFF

Kim Carney
94, Feb. 11, Dallas, Texas. From 1967–97, she taught economics in the College of Business, twice serving as acting department chair.

Robert “Bob” Marland Johnson
80, April 4, Oklahoma City, Oklahoma. He taught in the Materials Science and Engineering Department for 35 years.

Karin Eriksson McCallum
82, Feb. 20, Arlington, Texas. A professor emeritus and former chair of the Department of Communication, she was a member of the Academy of Distinguished Teachers and became UTA’s first female faculty representative to the NCAA.

Martha Ruth Patterson
89, Feb. 20, Fort Worth, Texas. A registered nurse, she taught nursing for more than 17 years.

Cecil Thompson
83, May 29, Arlington, Texas. Dr. Thompson helped create the University’s astronomy program. He was named professor emeritus after his 35-year tenure in the Physics Department ended.



The Explainer

From Vinyl to Streaming

The evolution of recorded music technology

BY DAVID ARDITI
Assistant
Professor of
Sociology in
the College of
Liberal Arts

WHEN APPLE ANNOUNCED the end of iTunes in June, many music listeners fretted that the closing of the app would affect their libraries and change the way we listen to music. In truth, the closure will change music listening very little. But there is a rich history of recorded music technologies upending listening practices.

After Thomas Edison invented the phonograph, people weren't sure how the new sound recording devices would be used. Many thought they would be used to record people's voices much the same way that cameras capture people's images. When someone passed away, the living would be able to hear the voice of the dead.

However, it turns out that inventors can be bad at predicting how people will use technology. As people bought early record players, manufacturers and retailers found that the most popular recordings were of music.

It didn't take long for record player manufacturers to figure out they could make more money from producing records than producing record players. With little planned obsolescence in early record players, the only way for manufacturers to increase profit was to generate

sales from recordings. When manufacturers produced music, they slapped a label on the record with the manufacturer's brand on it. Hence the term "record label."

Eventually, record player manufacturers did develop new technologies that improved the sound fidelity or the recording capacity of the medium. The 45rpm record replaced the 78rpm record. Later, the 33 $\frac{1}{3}$ record (what we now call "vinyl") replaced the 45 and 78. Stereo records replaced mono records. Then we saw the quick procession of more portable recording media from 8-track tapes to cassette tapes to compact discs (CDs).

At each transition from one medium to the next, people have to purchase music they already own if they want to listen to it on a new format. This is called the album-replacement cycle. With the introduction of the digital format in the 1990s, the album-replacement cycle changed. Listeners could easily rip CDs to computers and create digital files that could transfer to mp3 players. Around 2000, at the same time that people completed replacing their libraries on CDs, they had no reason to repurchase their music library on digital formats.

This had record labels in a panic until iTunes launched in 2003. With iTunes, music fans could again repurchase music they owned in a new format. Emblematic of this replacement cycle was the introduction of The Beatles' catalog in 2009. An advertising campaign made The Beatles' songs climb the charts.

Streaming offers a new album-replacement cycle. Now fans subscribe to streaming services and pay monthly fees for music they already own. But this time, the lack of ownership means subscribers keep paying to listen to the same music, endlessly.

Yes, Apple closed iTunes, but that isn't the story in 2019. More important is the way the recording industry induces us to keep paying for the same music. iTunes was only one moment in a long history of recorded music technologies. [UTA](#)

ABOUT THE AUTHOR



David Arditi's research addresses the impact of digital technology on society and culture with a specific focus on music. He developed a digital local music archive, *MusicDetour*, housed at UTA. He just finished writing a book titled *The Ideology of Getting Signed* and is currently writing one about streaming culture.



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FEBRUARY 11

Maverick Speakers
Series: *Common*

FEBRUARY 21

College of Engineering
60th Celebration

MARCH 26

Maverick Speakers
Series: *Vivek Wadhwa*

MARCH 28

Cadet Corps Hall of
Honor

APRIL 18

Jazz Brunch at the Main
Street Arts Festival

APRIL 25

Fraternity and Sorority
Life Alumni Picnic

*Dates subject to change.
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the latest info.*



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