

TULANIAN



Insights & Innovation



22



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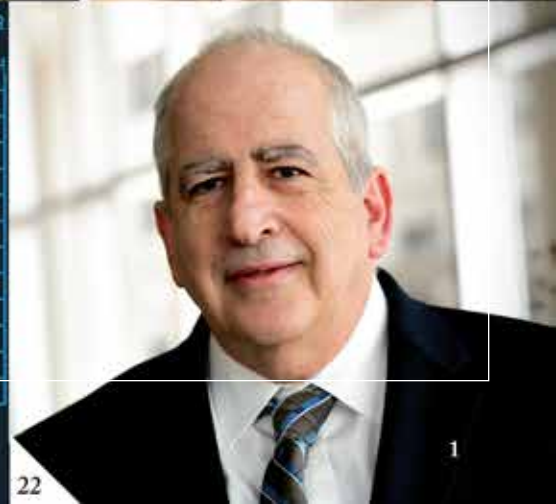
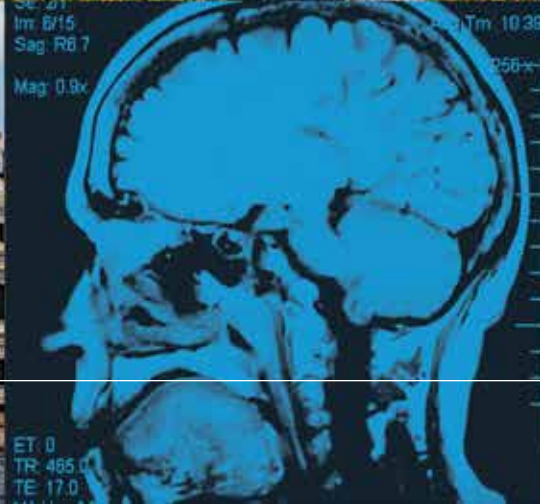


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UNDERSTANDING & EXPLORATION

Building land, extending life, understanding our complex world. In this *Tulanian*, we will see where the drive and curiosity of Tulane scholars and researchers are taking them — and us.



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TULANIAN

MARCH 2019 / VOL. 90 / NO. 3

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MAIN FEATURE

LIFE AND SURVIVAL ON THE GULF COAST

Community ecologists are focused on understanding how the living world works, in all its complexity and diversity, as they find ways that species might thrive and land can be restored.



22 ADDING LIFE TO YEARS

Tulane researchers are uncovering the science behind aging and learning how to add life to additional years.



26 PURE MATH

Lisa Fauci is a pioneer in math modeling, an award-winning scholar and a mentor to graduate students working at the interface of math, scientific computing and basic biology.



30 CHALLENGE ACCEPTED

With a focus on enhancing the undergraduate experience, Tulane encourages students to challenge themselves.

QUOTED

“Knowing someone’s biological age allows you to tailor therapies and interventions that promote healthy aging.”

S. MICHAL JAZWINSKI

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☆ NEW WEBSITE ☆ EXTRA CONTENT ☆

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ABOUT THE COVER

Endophytes grow in the Sunshine Van Bael Lab. Photo by Paula Burch-Celentano. Art direction by Marian Herbert-Bruno.

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Yeah, You Write

From the Editor

Stories of discovery, insights and innovation — with a focus on scholarship and research — are what this *Tulanian* is all about. Biologists tell us about their work exploring the ecology of living organisms on the Gulf Coast — lizards, grasses, trees, fungi and bacteria. With the study of aging a major initiative of the university, we present an overview of research in this area in which the goal is more about adding life to years than merely extending years to life. Professor Lisa Fauci is a star in the world of mathematics, and we're happy to bring attention to this pioneer in math modeling of organismal locomotion and reproductive fluid dynamics. Then there are the undergraduate researchers, future stars in the realm of discovery in all kinds of fields. Be sure to check out our new website — tulanian.tulane.edu — for additional content.

To the Editor

[Email letters to tulanemag@tulane.edu]

Appreciation

Kindly permit me to add belated compliments on the new format of our excellent magazine and especially for bringing back the *Tulanian* title. Like other alums, I felt something was missing when it disappeared for a while.

Your pictorial layout about “New Spaces, New Places” [December 2018] with the neatly placed bios of each facility was a huge eye-opener to someone who trekked the TU campus as a student in the mid 1960s when none of these magnificent buildings existed. Tulane's spread throughout New Orleans and even to the North Shore was likewise most impressive.

Also, Angus Lind's mention of the Green Wave's superstar football player Eddie Price in his “Gridiron Glory” piece brought back a flood of memories. We students frequently went to Eddie's eatery just off campus to enjoy some of the best food around. More than once I got to talk to the man himself about Tulane's days as a national power on the gridiron.

Larry LaBarrere, A&S '69
West Monroe, Louisiana

Thank You

I don't care what your magazine looks like, I love the inspirational stories and anecdotes. I have yet to get through an

entire edition without crying and adding to my list of books I want to read.

Connie Brooks, Mom of recent grad who doesn't want to report his new address :)
Norwalk, Iowa

Healthy Friendships

People suffer from external assaults, like Hurricane Katrina, and from internal psychological assaults, like anxiety and depression. ... One positive, forward-moving response to both of these assaults is the work of Aaron Frumin, reported on p. 43 of the December 2018 *Tulanian* magazine. As he works alongside young students, teaching them how to build houses, Aaron Frumin is giving them a purpose in their lives and a context for building healthy friendships.

Louise Cole Carter, NC '63
Atlanta

Enjoy the *Tulanian*

I not only enjoy the *Tulanian*, but so does my mother who attended Tulane's business school in the 1940s. I pass each one of them along to her when I finish reading them.

Catharine Ohlsson Gracia, NC '78
Folsom, Louisiana

Great Work

Many thanks for your great work! I always enjoy reading the magazine when it comes out.

Jane E. Hayashi-Kim, SLA '13
Washington, D.C.

In Brief



ON CAMPUS

TIM COOK ANNOUNCED AS COMMENCEMENT SPEAKER

Students celebrate the news at No. 2 Audubon Place that Tim Cook, Apple CEO, will deliver the keynote address at Tulane's 2019 Commencement. Graduating students were invited to the event on Feb. 7, which generated excitement all over campus. The graduation ceremony will take place at 9 a.m., May 18, in the Mercedes-Benz Superdome. "Tim Cook represents the kind of success we hope all of our graduates can attain — not only because he is the CEO of the most innovative company in the world, but because he leads with dignity and uses his role to make a positive difference in the world," said Tulane President Mike Fitts.

▶ Visit tulanian.tulane.edu for additional content

BUSINESS

STEWART CENTER CBD

In January, the A. B. Freeman School of Business began offering classes in downtown New Orleans at the Stewart Center CBD, located at the corner of Howard Avenue and Carondelet Street. The 21,000-square-foot space houses the Stewart Center for Executive Education, which includes Freeman's executive MBA program and custom, non-degree programs for professionals, the Goldring Institute for International Business and a newly launched program in Entrepreneurial Hospitality.

▶ tulane.it/Stewart-center-cbd

ARCHITECTURE

FACULTY MEMBER HONORED

Marianne Desmarais, School of Architecture professor of practice and director of undergraduate architecture programs, has been named an Artist-in-Residence for 2019 at the Joan Mitchell Center in the historic Tremé neighborhood in New Orleans. A residency, Desmarais said, changes not only an artist's work but the artist themselves. "The experience of an art residency feels simultaneously like time sped up and time slowed down."

LAW

LAW CLINICS CELEBRATE 40 YEARS

Legal clinics for skills-based training began at Tulane Law School in 1978. They are now a hallmark of Tulane's legal education program. Forty years ago, Tulane was one of the few law schools to venture into using live-client experience through clinics and practice simulations, rather than a case book, to teach advocacy skills. The clinics now include Civil Rights & Federal Practices, Criminal Justice, Domestic Violence, Environmental Law, Juvenile Law, and Legislative & Administrative Advocacy. Over the years, clinic graduates have gone on to hold public office, serve as members of the judiciary, manage law firms and lead public interest organizations.

▶ tulane.it/law-clinics-celebrate-40-years

ACADEMICS

TOP ONLINE PROGRAMS

The HOMELAND SECURITY program offered online by the School of Professional Advancement and the online SOCIAL WORK MASTER'S PROGRAM in the School of Social Work have been named top master's programs by OnlineMasters.com.

▶ tulane.it/online-homeland-security

▶ tulane.it/online-social-work

QUOTED

"What we found was that women who fell in love **had increased activity of genes involved in antiviral defenses.**"

DAMIAN MURRAY, assistant professor of psychology, on his study analyzing the immune system of women in love.

▶ tulane.it/female-immune-system-study

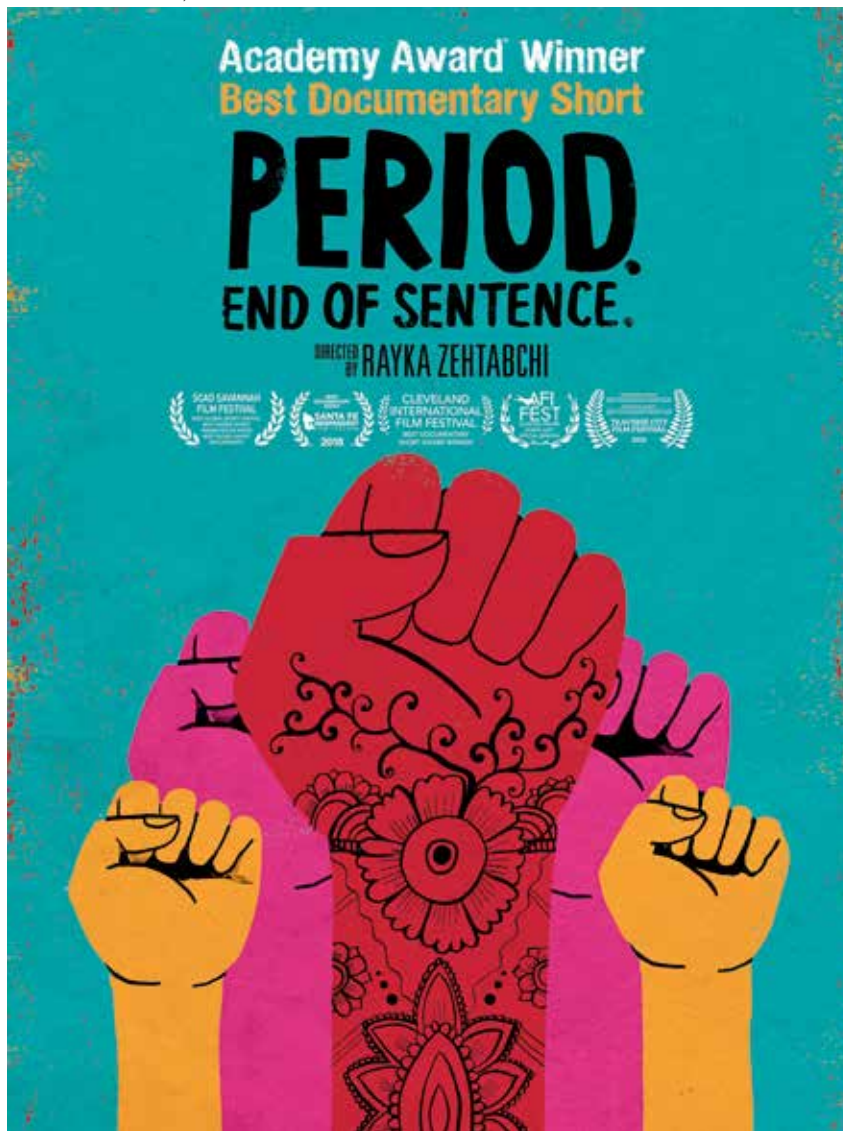
TULANE STUDENT WINS OSCAR

Avery Siegel, a Tulane student majoring in communication with a minor in public health, can add the title “Oscar winner” to her resume.

Siegel, a second-year student in the School of Liberal Arts, is a co-executive producer of the documentary *Period. End of Sentence*, which won the Academy Award for Best Documentary Short on Feb. 24. The film follows girls and women in Hapur, India, telling the story of the stigma of menstruation, and their experience with the installation of a pad machine in their village. Siegel and her fellow co-producers began the project in high school in Los Angeles when they learned about the lack of access to affordable and hygienic menstrual products around the world, which leads many girls to drop out of school. “We knew we wanted to do something to raise awareness of this issue but did not know exactly what we wanted to do,” Siegel said. “We soon learned about Arunachalam Muruganantham’s low-cost sanitary pad machine that was revolutionizing the way in which menstruation was discussed in India.” Siegel said she wants to continue making documentaries when she graduates from Tulane. *Period. End of Sentence* is available on Netflix.

tulane.it/period-end-of-sentence

ART BY HANNA BARCZYK, COURTESY NETFLIX



IN THE NEWS

SEAS RISING

In a CNN report on the \$48 million federal project to move families from Isle de Jean Charles, Louisiana, where the Gulf of Mexico is inundating homes, Torbjörn Törnqvist, professor and chair of earth and environmental science, said that one day it won't be villages thinking of relocation, it will be cities. “The reality is that there are other, even larger cities that may actually be even more vulnerable, like Miami, for example.”

tulane.edu/seas-rising



ECOLOGY AND EVOLUTIONARY BIOLOGY

THE WONDER OF BIRDS

Bruce Fleury, a professor in Tulane's Department of Ecology and Evolutionary Biology, has plenty to say about birds — so much so that he's developed a 12-part lecture series that even the most novice bird-watcher will find both insightful and entertaining.

tulane.it/wonder-of-birds

QUOTED

“They come to me because **they have been lost to history.**”

JESMYN WARD, creative writing professor, in *The New York Times*, talking about her characters in her award-winning novels — like Esch in *Salvage the Bones* (2011) and Jojo in *Sing, Unburied, Sing* (2017).

tulane.it/Jesmyn-Ward-nyt

RESEARCH

TRACKING PEPTIDES IN CELL SOUP

William C. Wimley, professor of biochemistry in the School of Medicine, is making soup, but not the kind you'd probably like to sip. In his lab, in a cell soup, he's synthesizing peptides in order to create ones with therapeutic potential, particularly as smart-delivery systems to deliver drugs that have shown promise against microbes known as "superbugs." Wimley's work is supported by the National Institutes of Health and was recognized in the NIH Director's Blog.

tulane.it/peptides-in-cell-soup

PUBLIC HEALTH

PLANETARY HEALTH DIET

After analyzing the diets of 16,000 Americans, researchers led by Diego Rose, professor of public health, found that preparing meals with a small carbon footprint is as simple as using less animal protein. "People whose diets had a lower carbon footprint were eating less red meat and dairy — which contribute to a larger share of greenhouse gas emissions and are high in saturated fat — and consuming more healthful foods like poultry, whole grains and plant-based proteins," he said.

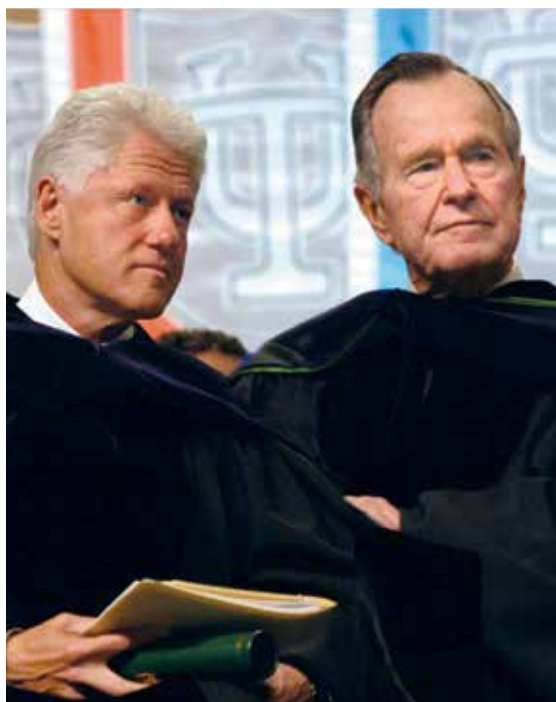
tulane.it/planetary-health-diet

MEDICINE

GOT CHAPPED LIPS?

As reported in *Live Science*, lip balms for dry, chapped lips provide only temporary comfort, and some types can make scaly lips even drier. That's because, in part, when the thin film of moisture from the lip balm evaporates, it dehydrates your lips even more. "It starts a vicious cycle," said Dr. Leah Jacob, an assistant professor of dermatology in the School of Medicine.

tulane.it/got-chapped-lips



THROWBACK COMMENCEMENT

When President George H.W. Bush died on Nov. 30, 2018, among all the accolades and tributes, a special memory of his connection to Tulane stood out. Bush and President Bill Clinton were the commencement speakers at University Commencement in May 2006 — and they graced the cover of the summer 2006 *Tulanian* (above).

It was the first commencement after Katrina rolled across New Orleans the previous August.

As *Tulanian* reported, "In his remarks, Bush praised the courage and tenacity of Tulane's students, faculty and staff in the face of unimaginable adversity. 'The floodwaters may have breached the levees that surround this city and may have destroyed home after home, block after block,' he said. 'But today we also know they couldn't break the spirit of the people who call this remarkable, improbable city home.'"

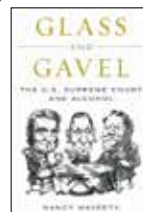
CULTURE BEARERS

THE COURT AND ALCOHOL

"I liked beer. I still like beer."

Long before Judge Brett Kavanaugh uttered these infamous words during confirmation hearings for his appointment to the U.S. Supreme Court in September, alcoholic beverages were a part of the life and work of the justices of the Supreme Court. In her new book, *Glass and Gavel: The U.S. Supreme Court and Alcohol*, Nancy Maveety, professor and chair of political science, discusses how the justices have participated in both the enjoyment and the restriction of beverage alcohol throughout our country's history.

tulane.it/the-court-and-alcohol



ATHLETICS

VOLLEYBALL

The Tulane volleyball team is in the middle of its spring 2019 season. On the heels of one of the most successful years in program history, defined by a 29-win season and a postseason championship appearance, the Green Wave looks for continued growth over the next few months.



ALUMNI NEWS

NEW TAA PRESIDENT

Erica Washington (PHTM '09), a public health epidemiologist, begins her term as president of the Tulane Alumni Association on July 1 when Tobias Smith (TC '98) completes his time in office.

“I think any system that removes egregious human error from the game could work.”

GABE FELDMAN, sports law professor, talking about the potential need for more video replays during NFL games after the infamous no call for pass interference in the Saints vs. Rams NFC Championship.

tulane.it/Gabe-Feldman-wwltv

PRIMATE RESEARCH CENTER

RICIN TREATMENT

A new study at the Tulane National Primate Research Center showed for the first time that an experimental drug can save nonhuman primates exposed to deadly ricin toxin, a potential bioterrorism agent.

tulane.it/ricin-treatment

MEDICINE

REDUCING CERVICAL CANCER RATES

Dr. Jessica Shank, associate professor of gynecologic oncology at the School of Medicine, is on a mission to raise awareness that cervical cancer is preventable. “This is a cancer that can be prevented with regular Pap smear screening and the human papillomavirus (HPV) vaccine,” she said.

tulane.it/reducing-cervical-cancer-rates

IN THE NEWS

EXCAVATION IN PERU

Professor of Anthropology John Verano's



excavation of the site of a 500-year-old mass child sacrifice that took place on the northern coast of Peru is featured in the February *National Geographic* magazine. The article, “An Unthinkable Sacrifice,” provides details about the findings, including how some of the children were killed, how they were buried and the growing number of skeletons recovered from ongoing excavations. Verano and Gabriel Prieto of the Universidad Nacional de Trujillo along with a team of students from their respective universities have been working at the Huanchaquito site since 2011 when children playing in the sand dunes found human bones scattered over the surface.

tulane.it/excavation-in-peru



ON CAMPUS

VALUES IN AMERICA

Former Secretary of State Madeleine Albright chats with University Professor of History Walter Isaacson before Albright's appearance at the Tulane-Aspen Institute Values in America Speaker Series on Feb. 12 in Dixon Hall. Isaacson moderated the discussion, centered on nationalism, populism and Albright's new book, *Fascism: A Warning*.

 Visit tulanian.tulane.edu for additional content

QUOTED

“The addiction takes over.”

PATRICIA KISSINGER, quoted in the *Los Angeles Times* article, “Two crises in one: As drug use rises, so does syphilis.” Kissinger is a professor of epidemiology and infectious disease at the School of Public Health and Tropical Medicine.

tulane.it/Patricia-Kissinger-latimes

COMMUNITY MINDED

SKATE PARK PROJECT

The national Association of Collegiate Schools of Architecture named the School of Architecture's Albert and Tina Small Center for Collaborative Design one of only four recipients of its Collaborative Practice Award for 2018–19.

The award highlights the Small Center's 13 years of design-build projects and engagement programs, in particular the Parasite Skatepark project, a New Orleans park that officially opened in 2015 following years of efforts by local skaters to establish a recreation space.

tulane.it/skatepark-project

ON CAMPUS

CHINESE STUDENTS VISIT

Twenty-five Chinese students from Xiangtan University in Hunan Province visited Tulane Law School in January as part of a faculty and student exchange. The visit was a result of a collaboration between Xiangtan and Tulane that established the Tulane-Yongxiong Center for International Credit Law last fall.

tulane.it/chinese-students-visit

ALUMNI NEWS

ALUMNI FACULTY AWARD

Peter Ricchiuti, a longtime A. B. Freeman School of Business professor, is the first recipient of the Tulane Alumni Association award that recognizes a distinguished faculty member who continually engages alumni with the university.

tulane.it/alumni-faculty-award-Ricchiuti

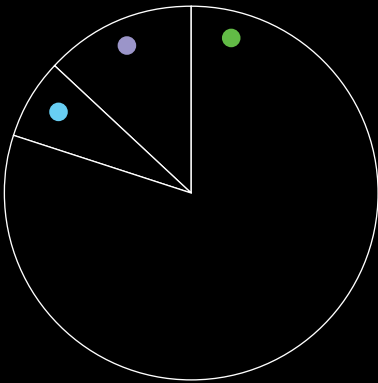
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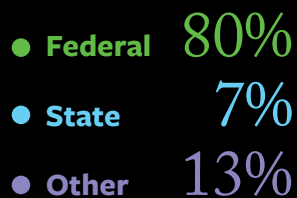
Up First

\$137M

Tulane received \$137 million in **FUNDING FOR SPONSORED RESEARCH PROJECTS** in fiscal year 2018 from the National Institutes of Health and other external agencies.



Research Funding by
Agency Types



963

There were 963 **Funding Awards** to 305 Principal Investigators.

\$109M

Federal Funding **increased by 5 percent** from the previous year.

1,165

1,165 **Proposal Submissions** from 411 Principal Investigators. Proposal submissions **increased by 9 percent** from the previous year.



TULANIANS' IMPACT

BY MARY ANN TRAVIS

The Advocate and *The Times-Picayune* celebrated the tricentennial of New Orleans with series focused on events and people, including many Tulanians — from artists and writers to civic leaders, politicians and business people — who have made their mark.

In “300 Tricentennial Moments, 1718–2018,” *The Advocate* presents a timeline of significant events, including the establishment in 1834 of the Medical College of Louisiana, which would later become Tulane University. There’s also the invention by A. Baldwin Wood, an 1899 School of Engineering graduate, of his famous screw pump to prevent street flooding. Other events include the first Sugar Bowl held at Tulane Stadium in 1935 and much more.

In *The Times-Picayune* “300 for 300” series, 300 people, including more than 40 Tulanians, who impacted New Orleans history are recognized with individual vignettes and portraits.

Father and son Arthur Q. Davis and Quint Davis are among those honored. The elder Davis was a 1941 School of Architecture graduate and architect of the Superdome and other iconic edifices. The younger Davis, from the class of 1970, has produced the Jazz and Heritage Festival for nearly 50 years.

Other honorees range from Paul Tulane, the philanthropist for whom the university is named, to current-day philanthropist Phyllis Taylor, a 1966 Law School graduate. Women of the Storm co-founder Anne Milling, a 1962 Newcomb College graduate, and her husband, King Milling, a 1965 Law School graduate and coastal restoration advocate, are included. Clarinetist and composer Michael G. White, who earned a doctorate in Spanish literature in 1983, is recognized, as is Staci Rosenberg, an early '80s Newcomb, Law and Business graduate and the founder of the Krewe of Muses, a “high-rolling, shoe-tossing success since its debut in 2001.”

QUINT DAVIS is “the mastermind behind the New Orleans Jazz and Heritage Festival, an annual extravaganza that draws hundreds of thousands to the city each spring and which has an annual economic impact estimated at \$300 million.” Portrait by Sean Randall of Where Y’Art, as commissioned by NOLA.com | *The Times-Picayune*.

INNOVATION IN ORBIT

BY KEITH BRANNON

When Elaine Horn-Ranney (SSE '08, '13) and Parastoo Khoshakhlagh (SSE '13, '15) were pursuing their doctorates in biomedical engineering, they came up with an idea for a gel-based patch — Perf-Fix — to help physicians repair damaged eardrums without surgery. They were determined to take the technology as far as they could go.

They never imagined that would include a trip 240 miles above Earth to the International Space Station.

In December, NASA launched their innovation into space, and Horn-Ranney and Khoshakhlagh were there, watching the launch at the Kennedy Space Center.

“We were just standing there watching it, and I couldn’t believe that we had actually done it. We sent something into space,” Horn-Ranney said.

Horn-Ranney and Khoshakhlagh, along with Horn-Ranney’s husband, Dr. Jesse Ranney (SSE '08), launched their biotech startup Tympanogen in 2014, with help from Tulane’s Office of Technology Transfer and Intellectual Property Development.

On the SpaceX Dragon Cargo Ship, Tympanogen’s wound-healing technology is being run through experiments to see how the gel patch works in microgravity. The space agency hopes the technology can be expanded to one day deliver therapeutics to astronauts and help prevent soldiers injured in combat from developing deadly sepsis infections.

The company is still developing its original product for eardrum repair and hopes to test it in clinical trials within the next two years.

“The ultimate goal is to develop a space-filling wound dressing that can deliver drugs directly to the wound site as opposed to a patient getting a lot of systemic antibiotics.”

ELAINE HORN-RANNEY, SSE '08, '13

500 (AND COUNTING) GAMES WON

BY BARRI BRONSTON

When Lisa Stockton took over as head coach of the Tulane University women's basketball team back in 1994, it was never with the idea that she would become a true New Orleanian.

"You don't go somewhere thinking you're going to be there for 25 years," said Stockton, a native of North Carolina.

But New Orleans, with its captivating culture of food, music and art, got into her blood, as did Tulane's reputation for providing student-athletes with outstanding academics. Despite many opportunities to leave, the 500-win coach, who recently celebrated her 25th anniversary at Tulane, wasn't interested.

As far as she was concerned, New Orleans was home.

"I love New Orleans," she said. "The city has such great culture. And I love coaching the kind of athletes that we attract at Tulane. We've built a culture of success that we can keep going for many years to come."

Stockton has proven herself over and over again, boasting a resumé that includes five conference tournament championships, four conference regular-season championships, six All-Americans, 11 NCAA Tournament berths, seven WNIT appearances and more than 500 wins at Tulane. Five former Green Wave standouts have gone on to play in the WNBA.

In 2016, the Ben Weiner Director of Athletics Troy Dannen announced another contract extension for Stockton, keeping her at Tulane through the 2020–21 season.

"The secret to our success is getting the right individuals who can come to Tulane and contribute athletically and academically," said Stockton. "Otherwise, it can be a challenging place."

Born in Greensboro, North Carolina, Stockton recalls the fervor and excitement of growing up in such a basketball-rich state. She was a standout point guard at Wake Forest University, and although drafted by the Charlotte franchise of the Women's Basketball League (WBL), she yearned to coach.

She began her career as a volunteer assistant at the University of North Carolina, and at 23, became the head coach at Division III Greensboro College. She remained in her hometown for three years before leaving to become an assistant coach at Georgia Tech.

Four years later, Tulane's then-Athletics Director Kevin White snatched her up. "We think Lisa has success written all over her," White said in an article in the *Greensboro News Record*.

Stockton has proven White's words true. And though far from satisfied, she is optimistic about the future.

"We've got some talented young players, which is a basis for success over the next few years," she said. "Our league continues to get stronger, our recruiting has gone really well. I think we can consistently be one of the best teams in the league and beyond." 🏆

Lisa Stockton, head coach of women's basketball, anticipates more success ahead for the program that she's led to five conference tournament championships and other achievements during the past 25 years.

▶ Visit tulanian.tulane.edu for additional content





DESIGN FOR CHANGE

BY NAOMI KING ENGLAR

Associate Professor of Architecture Margarita Jover recently won an international design competition in Buenos Aires, Argentina, for her proposal, “Vertebrando,” a reimagining of the space and use of a 1.3-mile section of elevated highway, which has bisected a historically poor and underserved community for decades.

A new highway, which diverts traffic away from the neighborhood around the old highway, is currently under construction. As part of the design process, Jover traveled to Buenos Aires to meet with neighborhood residents who expressed a need to become a part of the city.

“Our proposal is about the connections across the highway on either side,” said Jover. “The highway is quite high so there’s plenty of space underneath with light and

view. We emphasized a big plaza under one space, the corazon [heart].”

The proposal is for multiuse spaces for parks, public transportation, social cohesion and civic buildings for learning and culture as well as self-contained drainage and irrigation systems.

Jover joined the Tulane School of Architecture in August, alongside her partner, Iñaki Alday, who serves as dean of the school.

“Schools have the responsibility to teach that architecture can do more than beautiful objects,” Jover said. “How to work with communities in a larger sense is important.”

At Tulane, Jover is focused on coastal urbanism and river areas, on issues — beyond defensive measures — related to inhabiting watersheds and deltas. She’s also interested in collective housing.

“Designers can be dreamers, catalysts of political action,” she said. 🗣️

“Schools have the responsibility to teach that architecture can do more than beautiful objects.”

MARGARITA JOVER, associate professor of architecture

The Twittersverse reacts to happenings and news about Tulane.

“Beautifully done! Congratulations! Makes me feel good about the future of Tulane! Way to Geaux!”

@bkellers04, on the December 2018 *Tulanian* with the #TUFuture theme

“Building things 👍”

@shalacarlene

“The Spring 2019 semester has no shortage of lectures, symposia, & events!”

#TulaneArch #Tulane #TUFuture

“Fitts & Riptide. Now that’s the title of a hit show.”

@ACraignParis

“Looking for your next good read? How about the *Tulanian*! Learn all about #TUFuture”

Tweeted by Tulane School of Public Health & Tropical Medicine (SPHTM)

“For the first time at Tulane (and maybe anywhere), the university has four new deans! TU is celebrating #TUFUTURE with interviews of each ... including our own Dean Thomas LaVeist!”

Tweeted by SPHTM

DINING WITH HEALTHY GUSTO

BY ANGUS LIND, A&S '66

With Mardi Gras in the rearview mirror and Lent — generally appreciated even by non-Catholics — upon us in this very Catholic city, into my head popped a quirky question: What do people who eat for a living do during Lent?



A shrimp po'boy, French fries and cole slaw make a yummy seafood meal.

Angus Lind asks a restaurant critic how he lives a healthy lifestyle in New Orleans, a city with a plethora of dining options.

“If I had my own agenda like I’m not eating meat or whatever, you know not everyone’s pursuing that, so no, I don’t change much up for Lent,” said Ian McNulty, restaurant reviewer and food writer for *The New Orleans Advocate*. “I probably do subconsciously back off of some things because it’s post-Mardi Gras and I feel like everybody else. And I do eat more seafood because that’s what’s on the table.”

No doubt. Crawfish pots are boiling, oysters are still good, there’s always shrimp, crabmeat and fish. Not exactly an abstinence.

Dieting in food-crazed New Orleans is as difficult as keeping mosquitoes out of a swamp. Tulane Athletics Director Troy Dannen confided to me that he had gone up one waist size and was getting tight in the new one since he moved here from Northern Iowa more than three years ago. Tulane President Mike Fitts, who moved here from Pennsylvania in 2014, has checked off all the top-rated restaurants in the city but will tell you his weakness is Popeyes fried chicken. Need more be said? Temptation lurks everywhere.

McNulty moved here from Rhode Island when he was 25. Now he’s 44. “I was never skinny, never slim. Always kinda beefy,” he said. “And yes, my waist has definitely expanded. But when people say I have a beer belly, I say no, it’s credibility. Nobody would trust a rail-thin restaurant or food writer, nor should they.”

But health and exercise are always on his mind. “I eat lunch out every day, and dinner probably four or five nights a week. So we’re talkin’ nine or 10 restaurant meals a week. That’s a lot of chow. But you don’t have to finish everything. There’s a lot of trying and sampling.” The ideal restaurant outing for him is “four people who are curious and not too protective of their own individual order and pass things around and share.”

On weekends, he and his wife, Antonia Keller, a New Orleans native, shop at farmers’ markets and cook and eat light, healthy restorative meals. Then there’s his personal trainer: Admiral Nelson, a 75-pound yellow Labrador who has unbounded energy and drags McNulty around City Park. “He can be a real pain if he doesn’t get some of that energy out.” McNulty also plays for a local rugby club. “It’s possible to stay healthy doing this, I just don’t think it’s possible to stay skinny.

“Eating and drinking is a big part of how this town does business, how it socializes, how it celebrates living in New Orleans. It’s our identity. If you’re not pursuing that with gusto, you’re missing a big part of what makes the city of New Orleans. The challenge is pursuing a healthy lifestyle while living the lifestyle of New Orleans.”

I agree. Pass the French bread and butter, please. 🍞

MAKING THE INVISIBLE VISIBLE

BY MIRIAM TAYLOR

A song with simple yet powerful lyrics plays over the speakers in the galleries of the Newcomb Art Museum: *You can't keep a ray of light from creeping in your room / you can't fix a lie from shining down the truth / I'm not invisible anymore.* Musician Lynn Drury's words sum up the essence of Newcomb Art Museum's new exhibition in that one prevailing line — *I'm not invisible anymore.*

Per(Sister): Incarcerated Women of Louisiana is a groundbreaking show with one straightforward goal: to make the invisible visible.

The statistics surrounding incarceration in Louisiana (and America) are stark but known; the state holds the second-highest incarceration rate in the nation, and up until 2018 Louisiana was known as the "Prison Capital of the World." What's just as stark, but little known, are the numbers concerning incarcerated women. According to the Prison Policy Initiative, within the past 40 years women's state prison populations have grown 834 percent and Louisiana holds the 19th-highest rate of incarcerated women in the world. The vast majority (82 percent) of women are in jail for nonviolent offenses, and, of that population, 86 percent have experienced sexual violence, nearly 80 percent are mothers, and 60 percent were unemployed at the time of their encounter with the justice system. *Per(Sister)* goes further than highlighting data, though; it puts names, faces, voices and stories to these statistics.

Created in partnership with two formerly incarcerated women, Syrita Steib-Martin and Dolfnette Martin, and with the aid of such organizations as Operation Restoration and Women With a Vision, the exhibition showcases the intimate experiences of 30 formerly incarcerated women as translated into brand-new works of art and music created by more than 30 artists from across America (including New Orleans' own Lynn Drury, MaPo Kinnord, Lee Diegaard, L. Kasimu Harris, Devin Reynolds, Carl Joe Williams, Keith Duncan and Cherice Harrison-Nelson).

Stories of loss, hope, despair, survival, triumph and persistence are shared in a variety of mediums from voice recordings and photographs to sculptures, paintings, illustrations, performances and even a custom Mardi Gras Indian suit.

"Using art as a vehicle of communicating these stories, the museum is providing the Tulane community an opportunity to educate themselves on one of the most critical issues currently facing our state," said museum director Monica Ramirez-Montagut. "We worked closely with the community to identify the four main

themes of the exhibition — the root causes of female incarceration, the impact of incarcerating mothers, the physical and behavioral toll of incarceration, and the challenges and opportunities for reentry — and have provided a multitude of access points to learn about the issues facing the PerSisters."

A companion digital component of the exhibition is a website where interviews, images, videos and more from the show's run are archived and upcoming events are publicized. It can be found at persister.info.

Per(Sister) is on display through July 6. ▮

▶ Visit tulanian.tulane.edu for additional content



The Life Quilt (2018), sewn together by Louise Mouton Johnson, features the names of 107 women serving life sentences. The names were compiled by Selina Anderson of the Louisiana Correctional Institute for Women Drama Club and hand-beaded by members of Black Masking Indian gangs. The center portrait is of lifer Mary Turner by Brandon "BMike" Odums.

THE VIETNAM CONFLICT AND MY PATH TO A TULANE EDUCATION

BY EUGENE M. OGOZALEK, A '74

My experience at Tulane was amazingly unique, as I saw both sides of the Vietnam War coin. I had been wounded in combat alongside tough, courageous Marines. Twenty months later, I was at Tulane among America's elite and privileged youth, witnessing the weekly protests against the war. Looking back, each experience was equally invaluable toward my maturity.

As a freshman at Tulane in fall 1969, I was "a fish out of water" both academically and socially. The years 1969–70 were the height of the Vietnam War protests. Among the other roommates in Phelps House room 333, I was a social aberration as a combat-wounded Marine. I had been nearly killed on Jan. 25, 1968, as an 18-year-old U.S. Marine infantryman in Vietnam.

Academically, I did not know how to study in a university setting, as my inner-city high school in Jersey City, New Jersey, did not focus on preparing students for the rigors of a major university curriculum.

Ironically, the protests against the Vietnam War during the spring of 1970 saved me from being academically dismissed. In my first semester, the only "B" that I received in my five courses of Calculus, German, Physics and English was in Architecture, a five-credit course. In the second semester, I dropped German, so I managed to do a bit better.

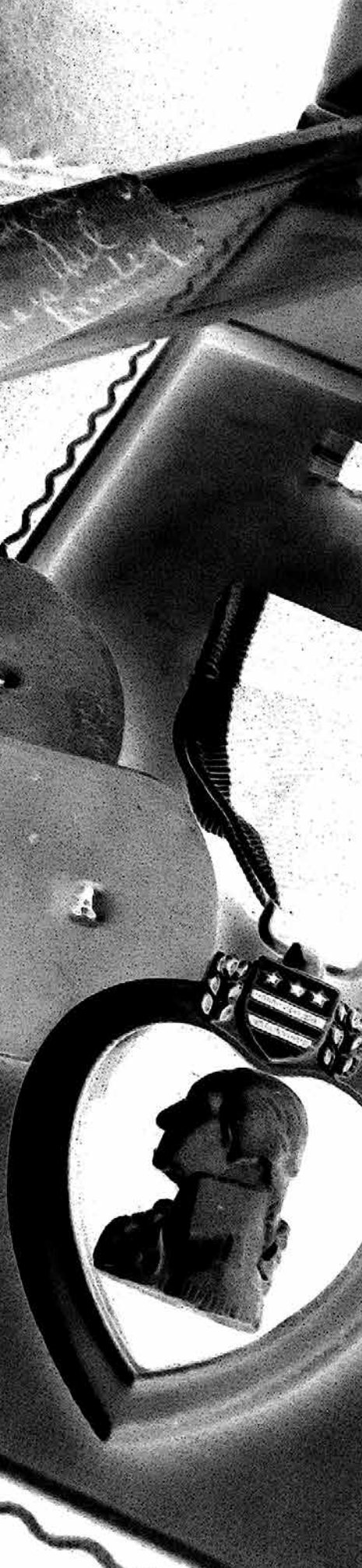
Then, when all looked very bleak, on May 4, 1970, the Kent State massacre occurred wherein unarmed students protesting the war were killed by National

Guardsmen in Ohio. When asked my opinion by my roommates in Phelps House, I responded that since no National Guardsmen were wounded, it was a failure of the officers' command and control and was manslaughter by the government. Nationally, as an immediate result of Kent State, many universities shut down for the semester, including Tulane. That occurred one week before finals. I was sure that if I had taken the finals, I would have dropped out of Tulane. I survived to return for the fall 1970 and became more successful academically. In my first semester of the fourth year, I had a 3.75 GPA. In my final year, I won the Thomas J. Lupo award for my architectural thesis.

I lived in the dorms for all of my five years, and was a senior adviser in Sharp, and then Monroe halls. I made many wonderful friends. I witnessed the burning of the ROTC barracks on Freret Street, and the streaking craze in 1972. My wife, Emilia, and I were at the first football win over LSU in 25 years in 1973 ... a momentous event! We had many dorm-sponsored 50-cent banana split parties in Sharp on the third-floor lobby that all participants remember, including the football players.

My combat Marine unit of approximately 1,200 men, India Company, 3rd Marine Division, the 3rd Battalion / 4th Marines, sustained 88 percent casualties during the 12 months of 1968: 187 killed and 871 wounded. That percentage was typical of Marine infantry battalions in 1968, as we were in constant combat for the entire year. Panel 35 East on the Vietnam





Veterans Memorial Wall in Washington, D.C., lists 20 of my fellow Marines who were killed in the same four-day battle in which I was wounded.

For five years, most of my architectural classmates had no idea that I had been wounded in combat. Early in my freshman year in Phelps House, about six fellow students questioned me about my Vietnam experience. I described how one manages to get wounded, with dates, places and presentation of scars, but quickly realized that they seemed to be dismissive to the physical and psychological trauma of combat in Vietnam. One student asked why I would go to Vietnam when I was smart enough to be accepted at Tulane. The conversation left me to feel a fool for joining the Marines. At that moment, I decided that there will be no more discussions about Vietnam. Topics of heroism, patriotism and sacrifice for your country were anathema at Tulane in 1970. I would now focus on architecture and get on with my life. I never watched a single evening news broadcast about Vietnam during my years at Tulane.

This year, 2019, I will be an emeritus member of the American Institute of Architects, having been a member for 41 years. My company is named Willow Design Inc., as both Phelps House and

Tulane Stadium were on Willow Street. One sports announcer at the time called the Tulane football team “The Willow Street Boys.”

Willow has designed expansions on VA hospitals across the country, including those in Oregon, Montana, Alabama, Georgia, Louisiana, South Carolina, New York and Pennsylvania. Most recently, Willow was one of 25 consultants on the brand-new, \$2 billion New Orleans VA hospital on Canal Street, and on the \$7 billion new headquarters for the Department of Homeland Security in Washington, D.C. I currently have architectural design work at the Charleston, South Carolina, VA Medical Center.

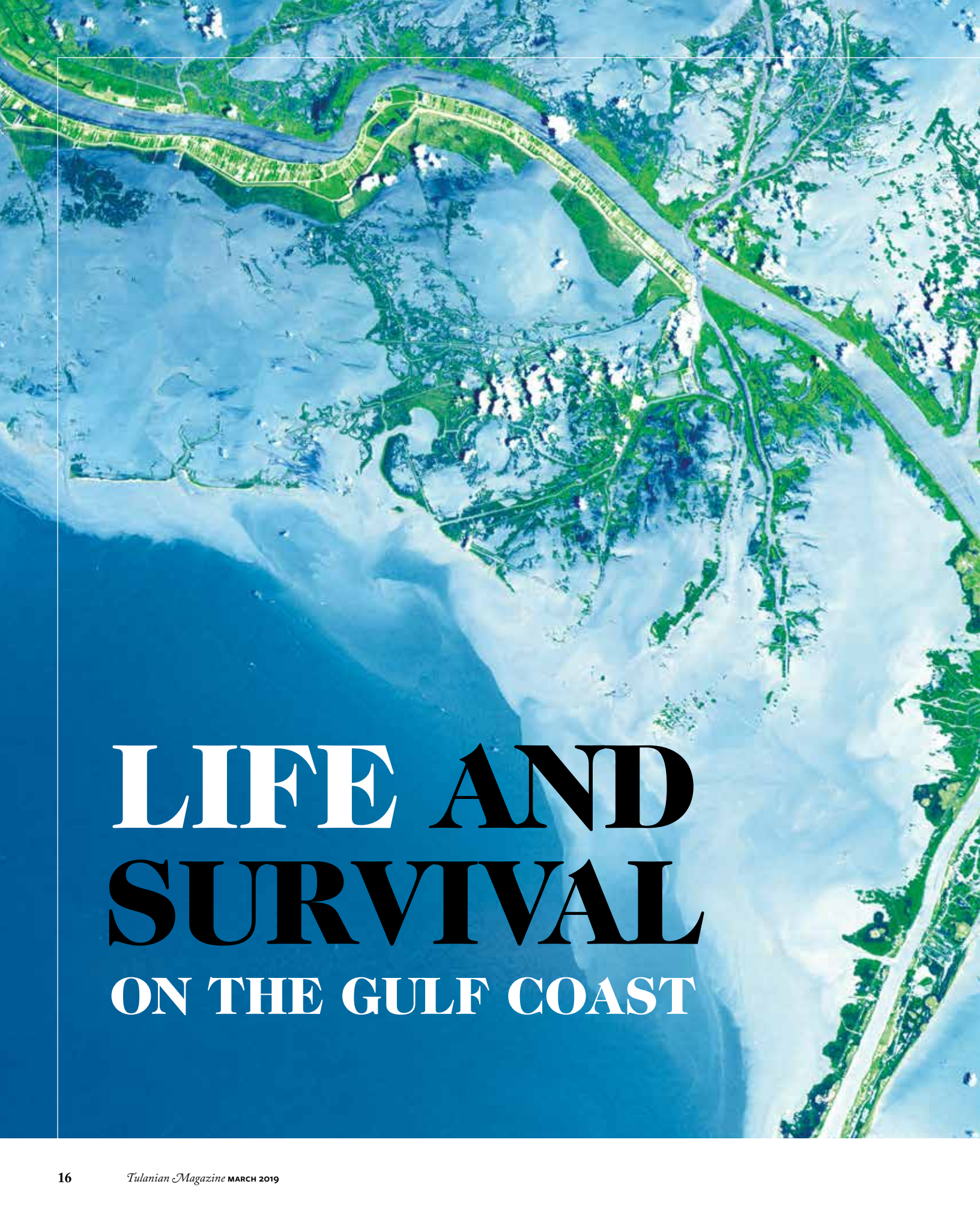
Belatedly, I wish to express my appreciation and sincere gratitude to Tulane (especially the acceptance committee of 1968 in the School of Architecture) for taking a chance on me. My Vietnam combat experience taught me to persevere under extreme circumstances. That was a lifelong lesson that served me well at Tulane.

The best five years of my life were at Tulane. I am a very lucky person. 🇺🇸

Eugene M. Ogozalek (American Institute of Architects, National Council of Architectural Registration Boards) lives in Scranton, Pennsylvania.

“I was wounded in combat alongside tough, courageous Marines. Twenty months later, I was at Tulane among America’s elite and privileged youth, witnessing the weekly protests against the war. Looking back, each experience was equally invaluable toward my maturity.”

EUGENE M. OGOZALEK, A ’74



LIFE AND SURVIVAL ON THE GULF COAST



During this era of rapid climate change and other environmental stresses, community ecologists are focused on understanding how the living world works, in all its complexity and diversity, as they find ways that species might thrive and land can be restored.

BY MARY ANN TRAVIS

Satellite image shows the Mississippi River "bird's foot" Delta in Louisiana on Nov. 14, 2018.

Lizards and *Spartina* grasses. Bald cypress trees and Roseau cane. *Cyperus* sedges and Beach Morning Glory. These living organisms are among the subjects of attention and scrutiny by scientists in the Tulane Department of Ecology and Evolutionary Biology. These species are not explored in isolation, however. They are studied for their connections within complex ecosystems. Four biologists share their research below:

PLASTICITY IN RESPONSE TO CHANGING TEMPERATURES

Alex Gunderson

"I study lizards," said Alex Gunderson, an assistant professor of ecology and evolutionary biology, "but one of the things I'm trying to do is to use lizards as a model to understand what's going to happen generally to organisms."

Among the principles that he's studying is the plasticity for which lizards are known and, specifically, physiological plasticity or "an ability of an individual to change their physiology in response to a change in temperature. So, if it gets warmer, they might be able to adjust their physiology to better tolerate warmer conditions."

Humans have a little bit of physiological plasticity. When we move to warm or cool conditions, our physiology changes somewhat to better tolerate rising and falling temperatures.

Gunderson said that it has been proposed that animals, such as lizards, might be able to use plastic responses to temperature to buffer themselves from climate change.

But there is a limit to this plasticity, said Gunderson. "What our research has shown is that plastic response is not very powerful. In some cases, it's likely to help, but it's not going to be a silver bullet that species are going to be able to plastically adjust to whatever is happening, and they're going to be fine. Their plastic response is limited."

Before he came to Tulane this year, Gunderson studied lizards in Puerto Rico and Florida, where he found that their tolerance for heat increases only about 10 percent. "Plasticity can't compensate for the changes that are happening."

A consequence of climate change is that some populations are decreasing, and species may vanish, said Gunderson. "For lizards, in particular, some of the estimates are, by the end of the century, up to 40 percent of lizard populations will go extinct."

Gunderson is now turning his attention to two species of lizards in the genus *Anolis* that are found in New Orleans.

"We call them *anoles* [pronounced ə-nō-lē]," said Gunderson. One, the green anole, is native to Louisiana. The other, the brown anole, is non-native and was introduced from Cuba.

The Cuban anole is considered an invasive species. It arrived in Louisiana about 20 years ago. "Its populations are going way up since it's been introduced," said Gunderson.

With the green anole population diminishing, and the brown anole on the rise, Gunderson and a team of his graduate and undergraduate students are starting to investigate why the invasive species is flourishing.

"One of the hypotheses is that invasive species that are successful are more plastic. They can adjust to whatever they find and that helps them tolerate it better and then they can sort of take over," said Gunderson.

"But we don't have the answer to that yet. What we're trying to do is understand what it is about how species interact with their environments that allows them to persist or causes them to perish."

The brown *Anole* lizard (below) is from Cuba, introduced to Louisiana about 20 years ago. Its population is steadily increasing, while the population of the green *Anole* lizard, a Louisiana native, is diminishing. Right: Roseau cane thrives in the "bird's foot" delta in Plaquemines Parish, Louisiana.



The Cuban brown anole is considered an invasive species to Louisiana.

"One of the hypotheses is that invasive species that are successful are more plastic."

ALEX GUNDERSON, assistant professor of ecology and evolutionary biology



While technically not native to Louisiana,
Roseau cane is not seen negatively by locals.

“This huge invasive species producing all this biomass could help build up the soil and reverse some of the land loss.”

EMILY FARRER, assistant professor of ecology and evolutionary biology

NOT ALL INVADERS ARE BAD

Emily Farrer

“The climate is warming, sea levels are rising, storm intensities and frequencies are increasing, especially here in the Gulf Coast,” said Emily Farrer, assistant professor of ecology and evolutionary biology.

“My research is about how climate change affects ecosystems and how these effects might emerge in unexpected ways — mainly because species are all interacting with one another.”

When climate change “perturbs” a system, said Farrer, there can be chain reactions.

In her third year at Tulane (Farrer has also done research on California grasslands, Great Lakes marshes and Alpine tundra), she is interested in “how climate change might impact microbial communities and how this might then impact plant communities.”

Many microbes are “mutualists” that promote plant growth, others are pathogens that cause disease. If certain microbes increase or decrease with a changing climate, that will have implications for plants.

As saltwater is moving inland and intruding on freshwater habitats, there can be an acute effect on organisms.

“Salinity impacts their physiology, their water uptake and stress levels,” said Farrer.

Also, like lizards, plants are categorized as either native or invasive. This distinction adds another layer of complexity to the ecosystem.

The invasive species that Farrer is currently studying is known as Roseau cane in Louisiana — although its genus is *Phragmites*, the name by which it’s called in states north of the Gulf Coast.

While technically not native to Louisiana, Roseau cane is not seen negatively by locals. In fact, they like it.

Farrer said that when she’s been at field sites on the Louisiana “bird’s foot” delta in Plaquemines Parish, south of Venice, she’ll ask people about *Phragmites*. They say to her, “Oh, that’s been there forever. It’s not invasive. It hasn’t gotten any bigger over the past couple of years.”

Hearing this different perspective on *Phragmites* — or Roseau cane — is interesting to Farrer. “It’s not all bad.”

Roseau cane, which has been coexisting with native vegetation for a long time, stands up well to storm events and does well in deep water. “It might actually be one of our last defenses against the land loss,” said Farrer. “This huge invasive species producing all this biomass could help build up the soil and reverse some of the land loss.”

In a recent greenhouse experiment led by Farrer, preliminary results show that “microbes from saline areas increase the growth of the *Phragmites* but suppress native plants.”

“This suggests that as saltwater intrusion increases in the future due to climate change, it may modify microbes in a way that favors invasive plants,” Farrer said.

She’s committed to studying more of the unknown connections of how climate change can impact ecosystems and to “understanding how climate change is affecting the system and how we can use this to predict what the system might do in the future.”

“I think these unknown connections are eye-opening. That’s why ecology is important.”

In the future, Farrer would like to expand her work to local, on-the-ground groups involved in restoration planting. “I’d like to incorporate some science — what we know about the system — into the plantings and have it inform the management of our coasts.”

Sunshine Van Bael

Sunshine Van Bael, associate professor of ecology and evolutionary biology, is exploring how endophytes — bacteria and fungi — may be used to help plants become more resilient to stressors in their environment, like climate change or oil spills.

In her Louisiana research, Van Bael has focused mainly on the coastal plants *Spartina* grasses and bald cypress trees, although lately she's started branching out into black mangrove trees.

"In our lab, we do microbial ecology," said Van Bael.

In her greenhouse, Van Bael has added oil to buckets in which *Spartina* grass is growing. This oil is similar to oil released in the 2010 BP oil spill. Not surprisingly, the oiled grasses are not doing well. But Van Bael is also looking deeper into the endophytes that interact with the grasses.

"We're studying the bacteria and fungi that interact with *Spartina*," she said. "For the lab work, we have to do genetic analysis of the DNA to help us understand the diversity of fungi and bacteria inside the plant or in the root zone."

Another target of Van Bael's investigations is the bald cypress tree. She's looking at bald cypress microbial communities among trees growing in increasingly salty marsh waters. The tree — native to Louisiana and an important buffer along the coast — thrives in freshwater. But with changing climate conditions, saltwater has inundated freshwater, and the trees have suffered.

The bald cypress tree can survive in two parts per thousand of saltwater, said Van Bael. "Then it starts to get pretty sick."

Far out on the Louisiana coast, water is 35 parts of salt per thousand, according to Van Bael.

This is a serious problem for the health of the tree, which is inextricably tied to coastal protection from land loss and storms.

A major component of the 2017 Coastal Master Plan of the Louisiana Coastal Protection and Restoration Authority is the restoration of forests devastated by sea-level rise and storm surge.

Van Bael is looking for bacteria and fungi that are saltwater-tolerant and could be used to inoculate the trees from saltwater stress in the future.

"We hope to identify extremophiles [organisms that thrive in physically or geochemically extreme conditions] and focus on how we can apply them to bald cypress trees to make seedlings more resilient."

Van Bael is also beginning to work with the black mangrove tree to understand its tolerance to salinity. Often associated with the Florida Everglades, a species of mangrove — the black mangrove — "is creeping up out of Florida and into Mississippi, Alabama, Louisiana and Texas."

The black mangrove tree "was probably here a long time ago," said Van Bael. "So, we don't necessarily think of it as an invasion."

For her future research, Van Bael plans to stick with "studying coastal plants and trying to understand how bacteria and fungi can help them increase their growth and increase their stress resilience."

Below: Samples of endophytes — fungi and bacteria — grow in Sunshine Van Bael's lab. Right: Spanish moss drapes bald cypress trees along Lake Martin in Louisiana.



The bald cypress tree is inextricably tied to coastal protection from land loss and storms.

"We hope to identify extremophiles and focus on how we can apply them to bald cypress trees to make seedlings more resilient."

SUNSHINE VAN BAEL, associate professor of ecology and evolutionary biology

“It’s all kind of theoretical in the Midwest. But here, it’s the real deal. These are actual threats, and people are being impacted.”

KEITH CLAY, professor of ecology and evolutionary biology

“I think life is resilient.”

ADAPTABILITY TO RAPID ENVIRONMENTAL CHANGE

Keith Clay

Increased salinity is the observable result of the rising sea along the Gulf Coast. This rising sea level and subsidence (sinking land) are evident in the erosion of the coast.

“The question is,” said Keith Clay, professor and chair of the ecology and evolutionary biology department, “whether the vegetation can move in concert with these environmental changes or whether it’ll be overwhelmed and suddenly plants and plant communities that used to be miles back are suddenly right on the shoreline.”

Like Farrar and Van Bael, Clay is interested in plant microbial interactions. He’s studied coastal plain and marsh vegetation, including several species of *Cyperus* sedges and the Beach Morning Glory. (His other area of research is arthropod vectors of disease, primarily ticks, and also mosquitoes.)

He’s interested in “microbial symbioses that help plants in terms of their ability to compete with other plant species, to tolerate stresses, and defend themselves against pests and pathogens.”

He sees potential for manipulating microbiome and plant interactions — or finding better partnerships — “to generate more robust and resilient plant communities that will be facing a lot of stresses in the not too distant future.”

Microbiomes are “microorganisms associated with larger organism, typically inside the larger organism.”

Clay, like Van Bael and Farrer, is a community ecologist. He joined Tulane after 32 years at Indiana University.

“In Indiana, they’re worried about agricultural impacts of global warming, greater storm severity, biological invasions, and more tropical and subtropical diseases that might be slowly working their way farther northwards by mosquito-borne pathogens.

“It’s all kind of theoretical in the Midwest. But here, it’s the real deal. These are actual threats, and people are being impacted.”

Earlier in his career in the 1980s, Clay was at Louisiana State University, and he’s revisiting some of his old study sites in Cameron Parish, now that he’s back in Louisiana.



Everyone in Tulane’s ecology and evolutionary biology department has a lab aspect to their work. “But it’s combined or intimately connected to field-based research. We’re actually out in nature either collecting data, doing manipulations of environmental conditions or collecting samples. Nobody that I can think of is strictly a lab-based scientist.”

The department’s mission is to “understand how the world works — or at least how the living world works.”

The researchers’ work is becoming “more relevant all the time,” said Clay.

The living world “is constrained or dictated in part by the non-living world — the geology, climatology, hydrology, which are not directly biological processes.”

The processes that take place between organisms and their abiotic — that is, physical — environment are “the core focus of this department,” he said.

While he’s concerned about the effects of global warming or climate change on ecosystems, Clay said that as a biologist and ecologist, “I think life is resilient.”

Some predicted scenarios are dire, “but there will be organisms that survive and thrive,” said Clay. “It’s always been that way. Even after mass-extinction events, things survive.” 🐾

ADDING LIFE TO YEARS

Tulane researchers are uncovering the science behind aging and learning how to add life to additional years.

BY CAROLYN SCOFIELD

In 1985, people over the age of 65 accounted for 11 percent of the U.S. population. By 2030, that number is expected to nearly double to 20 percent as more Americans live longer. Lifestyle changes, including a reduction in smoking, paired with significant medical advances, have led to an increase in life expectancy. According to AARP, people over 85 are the fastest-growing age group in the country and people over 100 the second fastest. Some demographers even speculate the first person to live to be 150 may already be alive. With this booming population comes the need for new medical advances.

Emma Louise Brandt Elston of Buras, Louisiana, is 16 years old in 1925 (right). The photo (left) was taken on her 100th birthday, Jan. 26, 2009. She died one month later. By all accounts, she lived a happy, productive life.





Baker's Yeast and Genetics

The oldest known person, Jeanne Calment of France, died in 1997 at the age of 122. Researchers compared her medical history with other people who'd lived to be more than 115 years old. They found the small group shared a few characteristics: most were female, they rarely or never smoked, and they had never been obese. But scientists still have a lot to learn about these supercentenarians.

S. Michal Jazwinski, the John W. Deming, MD, Regents Chair in Aging and professor of medicine and biochemistry at Tulane School of Medicine, has studied the aging process for more than 30 years. He also directs the Tulane Center for Aging, a collaboration of Tulane experts in everything from endocrinology to economics. Jazwinski is also the president of the Gerontological Society of America (GSA). GSA is the nation's oldest and largest interdisciplinary organization devoted to research, education and practice in the field of aging.

Jazwinski's own research centers around the genetics of aging and the molecular and cell biology of getting older. He pioneered using baker's yeast, the same kind used to make bread, as a model for his own research.

The yeast ages much in the same way human stem cells do, which allows researchers to easily identify genes and focus on the molecular processes that are involved in aging. This work points to the critical role that mitochondria, the energy factories of the cell, play in aging. Cells compensate for the dysfunction of mitochondria that accumulates during aging, up to a point. In addition, less functional mitochondria are segregated asymmetrically between daughter cells

during cell division, allowing one of them to remain young. The same process occurs in stem cells with older, less functional mitochondria. When this asymmetric segregation is disrupted, the stem cells lose their stemness properties, leading to stem cell exhaustion and eventual loss of tissue function.

Jazwinski's lab is also studying human aging. He is part of the Georgia Centenarian Study, an ongoing study started in 1988, which in its current phase examines factors that contribute to retention of cognitive and physical function past the age of 100.

Jazwinski also directs the Louisiana Healthy Aging Study, which brings together researchers from Tulane, Louisiana State University Health Science Center in New Orleans, Louisiana State University in Baton Rouge, Pennington Biomedical Research Center in Baton Rouge and the University of Alabama at Birmingham. The researchers have identified an interaction of three genes that promotes longevity and healthy aging.

"One of the things we've been able to do is establish a measure of biological age," Jazwinski said. Calendar age, or how old a person is according to their birthdate, isn't a good predictor of how long they'll live because of differences in genes, the environment, lifestyle and more.

"As individuals age, they begin to become more and more different from each other; the older they are chronologically, the more they differ from each other in terms of their functional ability and other manifestations of aging, even how they look," he said. "Knowing someone's biological age allows you to tailor therapies and interventions that promote healthy aging, as well as treat various disease and trauma based on the biological age of the person, bringing us into the realm of precision medicine."

Strikingly, increased biological age in older people takes its toll in an increase in the energy required for maintenance of basic body functions. The way this plays out differs between men and women, but in both, different aspects of mitochondrial function appear to be involved.

Tulane Center for Aging

Tulane established the Center for Aging in 2007 to enhance the quality of life of an aging population through research, education and innovative approaches to healthcare and community planning and design. Led by Jazwinski, the center brings together multidisciplinary resources at both the uptown and downtown campuses along with the Tulane National Primate Research Center. It also offers an interdisciplinary PhD program in aging studies.

The center's research focuses on cognitive aging, neurodegenerative disorders and dementia, including Alzheimer's disease. Among the initiatives is a broad attack on the age-related aspects of cancer and cardiovascular disease, as well as musculoskeletal aging including osteoarthritis and osteoporosis.

"The population is living longer," said Jazwinski. "In a few years, there are going to be some 80 million retired baby boomers and they expect to be high functioning. Those who aren't will need help and this is going to pose a certain economic burden on society.

"What I'd personally like to do is to add life to years rather than years to life."

COBRE Grant

Five junior investigators at the Center for Aging are working on projects funded by a federal Centers of Biomedical Research Excellence (COBRE) grant in "Aging and Regenerative Medicine." Currently in Phase II of the 10-year grant, the projects target central nervous system and vascular aging, immune system aging, degenerative disorders of the brain and musculoskeletal system, as well as the larger issues surrounding cell senescence and chronic inflammation.



"Knowing someone's biological age allows you to tailor therapies and interventions that promote healthy aging, as well as treat various disease and trauma based on the biological age of the person, bringing us into the realm of precision medicine."

S. MICHAL JAZWINSKI, professor of medicine and biochemistry, the John W. Deming, MD, Regents Chair in Aging at the School of Medicine and director of the Center for Aging



"I approach things from a mechanical engineering perspective of looking at what enables biological tissues to perform their necessary function within your body."

KRISTIN MILLER, assistant professor of biomedical engineering at the School of Science and Engineering

Soft Tissues

Kristin Miller, an assistant professor of biomedical engineering in the School of Science and Engineering, studies how soft tissues grow and remodel.

"I approach things from a mechanical engineering perspective of looking at what enables biological tissues to perform their necessary function within your body," she said.

Miller's research focuses on tendons. She identified a collagen that's key to how a tendon works and recovers from injury and developed math models to describe changes that happen to the collagen that might be responsible for the loss of tendon function that comes with age.

"I think one of the coolest things about having the COBRE grant is it brings together people from all different backgrounds and expertise," Miller said. "My expertise is in math models that link proteins to functions but there are people on the grant whose expertise is more of understanding some of the specific aspects of the biology of collagen and the molecules that control its production and removal, so it's important for me to interact and learn from them."

Strong Bones

Mimi Sammarco, an assistant professor of surgery at Tulane School of Medicine, is studying bone and soft tissue regeneration under the COBRE grant.

"The older you are, your bone turnover and bone density become lower, so it's much harder to do things like heal fractures well or have strong bones," Sammarco said.

Using a mouse model, Sammarco has learned the soft tissue surrounding the bone changes with age. She's now trying to determine if that environment around the bone is linked to regeneration.

Sammarco believes her research can address a large population of people.

"It's not just about living longer, it's about aging well," she said. "Having strong bones is an integral part of mobility."

Alzheimer's Disease

Neuroscientist Jay Rappaport became director and chief academic officer of the Tulane National Primate Research Center (TNPRC) in June. He wants to expand the portfolio of the TNPRC by doing more

research on diseases like Alzheimer's. An estimated 5.7 million Americans have the irreversible brain disease, and the Centers for Disease Control predicts that number will climb to 14 million by 2060.

"This is going to put an enormous strain on the healthcare system, on the economy and on families," said Rappaport.

"If you look at the drugs that have been developed for Alzheimer's disease, their track record: between 2002 and 2012, there were 244 drugs tested in clinical trials. Only one was approved and it was only for symptoms; it didn't stop the progression of the disease. That's a 99.6 percent failure rate, which is unheard of."

The majority of these lead compounds have come from mouse studies. Rappaport said the National Institutes of Health have recently been ramping up funding for research into Alzheimer's. It will be important for the understanding of the disease and the development of effective therapies to have models of Alzheimer's disease that better replicate the human disease.

The TNPRC is adding close to 50 African green monkeys, 10 of which are more than 15 years old, to its colony of rhesus macaques. The center already has a number of aging macaques, and Rappaport said there is some evidence they have some of the features of Alzheimer's disease as they age. It takes more than 20 years for those signs to appear though, while African green monkeys show signs of Alzheimer's disease somewhat earlier.

The center recently received a PET/CT Scanner from the Bill & Melinda Gates Foundation for its work on developing tuberculosis vaccines. The scanner provides noninvasive imaging of live animals and is specifically designed for monkeys. While the primary use will be for Tulane's tuberculosis research with the Gates Foundation, Rappaport said it can also be used to study aging and will enhance the center's HIV vaccine studies.

Rappaport's research, and that of other investigators within the Primate Center, focuses on HIV infection, HIV/AIDS-related disorders of the nervous system and the development of therapies for treating AIDS. His recent studies show the simian version of HIV accelerated inflammation and markers of aging in infected monkeys, but Rappaport also is testing a nutritional supplement that appears to reduce inflammation and may slow the pace of biological aging.



"It's not just about living longer, it's about aging well. Having strong bones is an integral part of mobility."

MIMI SAMMARCO, assistant professor of surgery at the School of Medicine



"If you look at the drugs that have been developed for Alzheimer's disease, their track record: between 2002 and 2012, there were 244 drugs tested in clinical trials. Only one was approved and it was only for symptoms; it didn't stop the progression of the disease. That's a 99.6 percent failure rate, which is unheard of."

JAY RAPPAPORT, director and chief academic officer of the Tulane National Primate Research Center

Long and Useful Lives

Underpinning the research on longevity at Tulane is a recognition that having a productive, satisfying and mobile life in one's later years is as important as adding years to one's life. As the population ages, Tulane is prepared to play a leading role in finding ways to make that happen. 🐼

The Aging Brain

With work on aging a university priority, **Tulane Brain Institute** research groups are focused on what happens in older brains. "We envision that discoveries being made today in the labs of Tulane neuroscientists will ultimately lead to new treatments for diseases associated with brain aging," said Jill Daniel, the Gary P. Dohanich Professor in Brain Science, professor of psychology and director of the Brain Institute.

The Memory and Cognition research group examines how memories are made and stored in the brain and how these processes change during normal and pathological aging. Scientists have found that aged brains are not able to maintain strong connections between brain cells within neural circuits for as long as younger brains can, impairing the formation and endurance of new memories. Other research has identified brain mechanisms by which the loss of estrogens at menopause impact cognitive aging in females.

The Neurodegenerative Disease, Neural Injury and Repair research group examines mechanisms underlying age-related dementias. Scientists are exploring how toxic brain proteins associated with Alzheimer's are taken up by brain cells and transferred to neighboring cells, ultimately spreading from one brain area to another. They are also exploring the brain's role in diabetes and mechanisms by which diabetes increases a person's risk for Alzheimer's disease.



Lisa Fauci, professor of mathematics



Pure Math

Legendary math professor Lisa Fauci is a pioneer in math modeling, an award-winning scholar and a mentor to graduate students working at the interface of math, scientific computing and basic biology.

BY BARRI BRONSTON

Lisa Fauci is passionate about mathematics, and the signs were there from an early age. Now the Pendergraft Nola Lee Haynes Professor of Mathematics at Tulane University, Fauci recalls an older cousin giving her math problems to solve as a form of entertainment. She was in kindergarten at the time.

The Brooklyn, New York, native loved numbers so much that whenever anyone asked her what she wanted to be when she grew up, it was always “math teacher.” In fact, Fauci still has a notebook from sixth grade proclaiming her intentions to teach math.

Fauci exceeded even her own lofty expectations, thanks to one of her advisers at Pace University in New York. Fauci was considering accounting when her adviser, Michael Bernkopf, steered her back towards math.

“He looked at my record from high school and he said, ‘Young lady, you should be a math major.’ In my junior year, he said, ‘I think you should go for your PhD.’”

She did just that, becoming a university professor specializing in numerical analysis, scientific computing, fluid dynamics and mathematical biology. She has risen through the ranks at Tulane, starting as an assistant professor in 1986 to being honored with an endowed professorship in 2008.

Her husband of 33 years, Victor Moll, works just one floor above her at Gibson Hall. He, too, is a mathematics professor, specializing in classical analysis, symbolic computation, special functions and number theory.

They joined the Tulane faculty together following doctoral studies at New York University and Moll’s one-year postdoc at Temple University.

“He got to NYU a year before I did, and did a postdoc at Temple while I finished my degree,” Fauci said. “Then we got job offers in a bunch of places. We didn’t realize how hard it was to get just one faculty job, much less two. But we were hot prospects at the time.”

Tulane won the couple over, as did the Crescent City. “We really liked the culture in New Orleans and thought it would be fun to be here for a year or two.”

That year or two turned into 33. During that time, they had two sons, Alexander Moll, now a postdoc in mathematics at Northeastern University, and Stefan Moll, a jazz pianist who received his undergraduate degree in music from Tulane School of Liberal Arts in 2017.

As young parents with no support system in New Orleans, Fauci credits the Newcomb Child Care Center on Tulane’s uptown campus with providing them with the peace of mind to become successful scholars.

Knowing their sons were in good hands coupled with their love of New Orleans made it easier for them to commit to Tulane long past two years. Fauci — and Tulane — could not be more pleased with that decision.

Star Scholar

“Professor Lisa Fauci is one of the stars of SSE (School of Science and Engineering),” said SSE Dean Kimberly Foster. “Not only is she an accomplished and decorated applied mathematician, but she is a devoted mentor for students and colleagues. Faculty like Lisa are what make Tulane a vibrant and

special place where research, education and community intersect.”

Robin Forman, Tulane’s senior vice president for academic affairs and provost, who has taught mathematics at Harvard, MIT, Emory and other universities around the country and world, concurred.

“Lisa Fauci is universally recognized as a leader in her field. I first met Lisa and learned of her research shortly after she arrived at Tulane, and I have been following her progress for decades. Knowing she was on the faculty was one of many exciting elements that drew me to Tulane a few years ago. Having professors of her caliber on our faculty — scholars who are making transformative contributions to their disciplines, their professional communities and their campus — energizes the entire Tulane community and fuels the Tulane model of pioneering research aligned with deeply engaging, innovative teaching,” Forman said.

Fauci said she can’t think of a better, more stimulating environment than Tulane. “We are a small enough institution and flexible enough that even junior faculty can have an impact on curriculum, on initiatives and on interdisciplinary projects,” she said.

With collaborators Ricardo Cortez in math and Don Gaver in biomedical engineering, Fauci launched one of those projects in 2011, courtesy of a \$1.4 million grant from the National Science Foundation. The multiyear project placed undergraduate, graduate and postdoctoral students as well as faculty from mathematics and biomedical engineering together in interdisciplinary research groups, with engineering students focused

on applications and experiments and mathematics students on theory and computation.

The focus of their work was on the behavior of biological fluid systems and on developing mathematical models for biological systems ranging from the motion of single-celled organisms to the functioning of airways in human lungs.

A co-founder of the Tulane Center for Computational Science, Fauci and other scientists at Tulane teamed up with the University of Maryland to develop a computational model of a swimming fish that was the first to address the interaction of both internal and external forces on locomotion. The interdisciplinary research team simulated how the fish’s flexible body bends, depending on both the forces from the fluid moving around it as well as the muscles inside.

“It makes life that much more interesting to hear from other people, to hear different perspectives and to understand what the burning questions are,” Fauci said.

Fauci teaches all levels of mathematics but it is her graduate students and postdoc students who have made her proudest. While some are now in academia, many went to work in pharmaceuticals, government labs or banking. They include Fauci’s first PhD student, Dean Bottino, who works for Takeda Pharmaceuticals in Cambridge, Massachusetts. He received his doctorate from Tulane in 1996.

“He’s in the trenches using applied mathematics to help develop cancer drugs,” Fauci said.

Had it not been for Fauci, Bottino might have given up on mathematics. “I started Tulane intending to become an algebraic topologist,” Bottino said. “But after completing my written qualifiers, I began to wonder if a PhD in pure mathematics was really my path.”

He confided his doubts to his friend and karate mentor Kyriakos Papadopoulos, a professor of chemical and biomolecular engineering at Tulane, telling him that he was considering leaving the math department for biology, his other passion.

“He advised me instead to reach out to a ‘rising star’ in the math department who was working in mathematical biology: Lisa Fauci. I did so the next day, and the rest, as they say, is history. I was immediately fascinated with the work she was doing

“It makes life that much more interesting to hear from other people, to hear different perspectives and to understand what the burning questions are.”

Lisa Fauci, professor of mathematics



Lisa Fauci, with a geometric torus in the background.

at the interface of mathematics, scientific computing and basic biology.”

Multiplying Honors

Fauci’s work has led to one honor after another, from the Tulane School of Science and Engineering’s seventh annual Outstanding Researcher Award in 2013 to her recent election as a fellow of the prestigious American Physical Society — and one of only eight in the Division of Fluid Dynamics (APS). She was cited for her “pioneering work in using modeling and simulation to understand the basic biophysics of organismal locomotion and reproductive fluid dynamics, and for her emphasis on the integrated study of stroke, form and flow.”

In 2016, she was chosen by the Association for Women in Mathematics and the Society for Industrial and Applied

Mathematics (SIAM) to deliver the Kovalevsky Lecture at the group’s annual meeting in Boston. The lecture is named for Sonia Kovalevsky, the most widely known Russian mathematician of the 19th century.

For the past three decades, Fauci’s research has been funded by a string of grants from the National Science Foundation, the U.S. Department of Energy, the National Institutes of Health, the Army Research Office and the Gulf of Mexico Research Initiative. Fauci recently began a two-year term as president of the SIAM, the international society that promotes research in applied mathematics and computational science.

Nick Maggio, who studied under Fauci and is now director of Research Advanced Computing Services at the University of Oregon, said Fauci created opportunities and experiences that he will cherish forever.

“Lisa Fauci is universally recognized as a leader in her field. I first met Lisa and learned of her research shortly after she arrived at Tulane, and I have been following her progress for decades. Knowing she was on the faculty was one of many exciting elements that drew me to Tulane a few years ago.”

Robin Forman, senior vice president for academic affairs and provost

They include summers working with collaborators in Vancouver, British Columbia, and Auckland, New Zealand.

“As a student, Lisa is the professor that you always hope you’ll get but seldom do,” Maggio said. “Her ability to convey the physical meaning behind seemingly abstract concepts is uncanny. For many years after graduating, I would consult my notes from Lisa’s classes when struggling to explain complicated ideas to students.”

But there is more to Fauci than her brilliance as a teacher and researcher, Maggio added.

“What truly sets Lisa apart from other world-class mathematicians is her kindness, generosity and the fact that she is hugely fun to be around,” he said. “You couldn’t ask for a better mentor than Lisa.”



Challenge *Accepted*

With a focus on enhancing the undergraduate experience, Tulane encourages students to challenge themselves.

BY FAITH DAWSON

PHOTOS BY PAULA BURCH-CELENTANO

Research opportunities for undergraduates abound at Tulane — and are what set the university apart. *Tulanian* interviewed five students, among the many, who are pursuing research projects. They sometimes embarked on their projects without knowing what to expect or whether their efforts would lead to actual identifiable results. They reported that their findings often surpassed the boundaries of their investigations: increased confidence in their own abilities and a love of hard work.







Raven Ancar is studying standards of beauty worldwide.

Analyzing Beauty Standards

Raven Ancar

When Raven Ancar, a first-year student in the School of Liberal Arts, whose hometown is New Orleans, attended a summertime youth leadership conference in Uganda last year, she noticed that the topic of beauty repeatedly came up among the young women she met, many of whom were from Uganda and Rwanda.

But it wasn't small talk about hair and makeup — it was about how a standard of beauty can contribute to a woman's sense of self-worth, affect her agency in life and influence the opportunities that could come her way. The problem was, the beauty standard seemed to reflect a European ideal rather than an African one, promoting hair straightening and skin bleaching among women of color, in order to approximate whiteness.

"They would tell me how it's hard moving through the ranks just because of your skin tone," Ancar said, adding that she had heard African-American women echo the same concerns — missed opportunities because of subtle racism. "I never thought it would be the same in Africa, but it is."

Curious, Ancar, who is majoring in psychology, sociology and Africana studies, conducted a content analysis of models in mainstream magazines from the United States as compared to Uganda. With guidance from Paula Booke, associate director of the Center for Academic Equity, Ancar rated models for skin tone and hair texture — and found that the American magazines tended to be more inclusive than African magazines.

Ancar hopes to publish her research or speak about it at other universities, starting a dialogue about beauty standards worldwide.

Connecting Chinese/Jamaican Culture

Juliet Chin

Juliet Chin, from South Pasadena, California, had heard her father, who is a descendant of Hakka Chinese immigrants to Jamaica, discuss his childhood on the island and immigrating to the United States at age 13. Now, she is making a documentary about his experiences.

A Chinese community has lived in Jamaica since around the 19th century, Chin learned. Many of those individuals arrived as servants for the British who colonized the island.

Chin, who is a senior majoring in digital media production and anthropology in the School of Liberal Arts, had never met any of her Caribbean relatives, nor had she ever visited Jamaica. But exploring her Jamaican roots appealed to the Newcomb Scholar, who developed the documentary as her senior thesis. Allison Truitt, associate professor of anthropology and SLA's undergraduate studies coordinator, served as Chin's adviser, and Chin received additional help from Sabia McCoy-Torres, assistant professor of anthropology and Africana studies.

"When I took anthropology classes and different film classes, the idea for the documentary came up as a way to merge my two majors," she said.

It also was a way to explore a side of her family that she did not know much about.

Exploring Otherness

Sophia Kalashnikova Horowitz

A translation project for Yigit Akin, associate professor of history, led history major Sophia Kalashnikova Horowitz to her research project. In the process of translating a Russian-language book, Horowitz, who speaks Russian fluently, became curious about the lives of Russian scholars under Josef Stalin.

A School of Liberal Arts student, whose hometown is New Orleans, Horowitz is now writing an honors thesis on Turkology — also known among Russian scholars as Orientalism, the study of the modern history and culture of Turkey and the Turkic peoples. Last year, with support from the Jean Danielson Scholarship Fund, she traveled to St. Petersburg to review valuable manuscripts at the Institute of Oriental Manuscripts at the Russian Academy of Sciences.

Horowitz's goal, she said, is “to examine the questions: ‘How did communism exacerbate Orientalism or Orientalist perspectives, or to the contrary, did it help scholars see the East in a different way? How did the relationship between academic Turkology and the Soviet state develop?’ My research into the documents has helped me formulate some answers.”

She added, “I am interested in ideas about ‘otherness’ and ‘foreignness,’” including issues of nationality, ethnicity and the rights associated with them, which are still being discussed today much as they were in the early 20th century.

Horowitz said she benefits from the mentorship of Department of History professors, including Akin, her thesis adviser, and Associate Professors James Boyden and Samuel Ramer; other professors also have worked with her individually.

“There are a lot of people I’m grateful to,” she said.

Horowitz is now a Fulbright semifinalist. She graduates in May and has been accepted to five fully funded PhD programs so far, including Harvard, Yale and Stanford universities, as well as the universities of Pennsylvania and Wisconsin.



Sophia Kalashnikova Horowitz is writing a senior honors thesis on the history of Turkology during the Soviet era in Russia.



Juliet Chin is making a documentary about the Chinese community in Jamaica.

Chin said the documentary evolved as she worked on it. “It was looking at the history, and that’s what it originally started with, but then it became more about why people left, national identity vs. ethnic identity, and culturally merging different groups and what that looked like to different people.”

Chin traveled to Jamaica with several relatives, including her sister, many of whom helped her with filming.

“I had a lot of help, which I was thankful for,” she said. “It became a family project.”



Imaging Pain Pathways

Mostafa Meselhe

A junior majoring in neuroscience and biomedical engineering, Mostafa Meselhe, from Lafayette, Louisiana, has been involved in multiple research projects. He currently works in the lab of Associate Professor Michael J. Moore in the School of Science and Engineering.

“What sold me on research was that itch of curiosity, seeing the results of an experiment and moving forward from there,” Meselhe said. “I enjoy putting in the work to get those results.”

At a summer internship at Duke University, Meselhe worked to find ideal thickness of electrodes for recording electrical impulses in the brain. He presented that research at a conference in October, for which he received a Newcomb-Tulane College Dean’s Grant.

In Moore’s lab, Meselhe has his own project that falls under the umbrella of his professor’s research: developing 3D neuroanatomical *in vitro* models of the pain pathway and methods to quantify neuronal activity and synaptic transmission.

“We were discussing developing a project for me to take on for my thesis and master’s thesis,” Meselhe said. He and Moore settled on using imaging techniques to identify pain pathways in neurons. Now that project is more than a third done, and the results so far support similar studies.

“We’ve never done this type of imaging work at Tulane,” Meselhe added. “Now the next step forward is to take what has been done and experiment with applying it to multidimensional models.”

Mostafa Meselhe is developing imaging techniques to identify pain pathways in neurons.

Finding Something You Never Knew

Hailey Mozzachio

When School of Liberal Arts junior Hailey Mozzachio received a grant from the Center of Academic Equity (CAE) that would enable her to look at issues of sexual violence, her research was only as far away as her remote control. Mozzachio is majoring in theatre and digital media production with a minor in psychology. Her hometown is Westmont, New Jersey.

Working with Paula Booke, associate director of CAE, Mozzachio conducted a content analysis of popular TV shows with lesbian or bisexual women characters who died, and determined that those characters experienced disproportionate amounts of violence as compared to straight women characters. Sometimes they died in bizarre ways, even by TV standards.

That's entertainment, right? Mozzachio thought otherwise, considering that lesbian and bisexual women make up only 1 percent of characters but up to 10 percent of TV deaths, regardless of the type of show. Entertainment critics term the trope "bury your gays," indicating that LGBT characters are more expendable than straight characters.

"I was initially looking at how media affects people's perceptions of queer people and how that increases or decreases violence perpetuated against queer people," she said, but "I decided before that I first wanted to look at what is represented in the media."

Mozzachio gained support from being part of a six-person CAE research cohort, where each person, all first-time student researchers, worked on individual topics.

"Being able to work with the same people every day and being in the same space we were kind of going through this process together. It was a great experience, because it taught us you have to be patient, you have to be prepared to go through a lot of different resources, and you have to be prepared if you find something that you never knew about."

Impressive Work

At Tulane, research adds depth to the undergraduate experience. Inside a classroom, students have engaging and thought-provoking learning experiences, but independent research affords them additional opportunity to approach, mold and stretch their topics in multiple ways and to benefit from direct faculty mentorship. These students' impressive work, sometimes prompted by a single question or simple observation, will lay the groundwork for broad opportunities throughout their college careers and into the future. 📺

Hailey Mozzachio has conducted a content analysis of depictions of LGBT characters in TV shows.



Wavemakers

Boudreauxs give \$3.5 million for finance, writing programs

Tulane's A. B. Freeman School of Business and the School of Liberal Arts are the beneficiaries of a new \$3.5 million gift from Carole B. (NC '65) and Kenneth J. Boudreaux (B '67).

The gift includes \$2 million to create a scholarship fund for Freeman School graduate students and to establish the Kenneth J. Boudreaux (MBA '67) Professorship in Finance. Another \$1.5 million will establish the Carole Barnette Boudreaux (NC '65) Creative Writing Endowed Fund, which will bring established and emerging writers to campus.

Kenneth J. Boudreaux served as a professor of finance and economics at Tulane before his retirement in 2010.

"The university's consistent integrity, intellectual rigor, success and generous spirit continually impress us. We are delighted to be able to contribute this way," the Boudreauxs said.

"University business education is undergoing a period of rapid change, but

one thing remains constant — the need for exceptional scholars and educators," said Ira Solomon, Freeman School dean. "With this generous gift from Ken and Carole Boudreaux, the Freeman School can support the research and teaching activities of an outstanding professor in finance as well as provide financial support to enable the best and brightest students to attend our graduate programs."

"The Carole Barnette Boudreaux Creative Writing Fund allows us to bring some of the most exciting writers of our times to the Tulane campus, and to connect students, faculty and members of the community with literary artists at the height of their art," said Brian Edwards, dean of the School of Liberal Arts and professor of English. "The brilliance and generosity of the Boudreauxs' gift is that it allows us both to host literary superstars and younger novelists and poets whose work is admired by other writers, but not yet internationally famous."



Liberal arts students at the Woldenberg Art Center (left) and business majors at Goldring/Woldenberg II (right) will both benefit from the Boudreauxs' generosity.



Campaign Progress

ENDOWED SCHOLARSHIPS

TOTAL COMMITMENTS
TO DATE

\$106,738,444

CAMPAIGN GOAL
\$125 MILLION +

FACULTY EXCELLENCE

351

ENDOWED
FACULTY POSITIONS
TO DATE

CAMPAIGN GOAL
400

RESEARCH

TOTAL RESEARCH
COMMITMENTS
TO DATE

\$239,096,484

5 OF 10
PRESIDENTIAL
CHAIRS FUNDED
TO DATE

ALUMNI ENGAGEMENT

47,139

ENGAGED ALUMNI
TO DATE

CAMPAIGN GOAL
50,000

FOGELMANS ESTABLISH PROGRAM FOR MEN'S BASKETBALL PLAYERS

Avron B. Fogelman (A&S '62) and Wendy Mimeles Fogelman (NC '63), previous contributors to men's basketball, have given another \$1 million to support the program.

The gift, which reflects the Fogelmans' commitment to student-athlete success on and off the court, establishes the Fogelman Life Preparation Program, which will teach life skills, financial training, career coaching and student success to men's basketball players, and also supports an altitude chamber, a room that replicates altitude settings and enhances team training.

"I want to do all I can to see the Tulane basketball players enjoy a productive and

successful life after playing basketball at Tulane. We owe them no less," said Avron Fogelman, whose name is synonymous with Tulane men's basketball. His donation established the Avron B. Fogelman Arena in the Devlin Fieldhouse.

Tulane is committed to career preparation for every student, and the Fogelman gift will address the unique situation of men's basketball players. For example, the Fogelman program will help players get internships, a goal that is made difficult during the team's high-intensity athletic schedule.

Ben Weiner Director of Athletics Troy Dannen said, "Avron's providing us the winning edge. What we're doing is going to be very unique."

He noted that the Fogelman Life Preparation Program is appealing to both players and their families — providing Tulane with an added recruiting incentive.

"Tulane has meant so much to me," Fogelman added. "I am very appreciative for the educational and social opportunities afforded to me while a student at Tulane. Over the years, I have felt it very appropriate to thank Tulane for what it did and return a small measure of what I received to the school."



Tulane's men's basketball players will benefit from a new life preparation program that resulted from a gift from Avron B. and Wendy Mimeles Fogelman.

RODRIGUEZ HONORED AS INAUGURAL PHILLIPS ORTHOPAEDICS PROFESSOR

Dr. Raoul P. Rodriguez (M '60), a foot and ankle specialist who has been with the Department of Orthopaedics since 1965, was invested as the inaugural holder of the Pierrette and John G. Phillips Professorship in Orthopaedics at the School of Medicine in November.

The fund that created the professorship was established in 2017, in accordance with the wishes of the late John G. Phillips and his widow, Pierrette "Petie" Phillips, both former patients of Rodriguez. John Phillips was a long-time chief executive officer of the Louisiana Land and Exploration Co. He also was a staunch friend of Tulane University, joining the Board of Tulane in 1977 and serving as chair from 1978 to 1983. His leadership skills and accounting expertise were instrumental in rejuvenating Tulane's fiscal health and endowment.

"I don't know what John and I would have done without Dr. Rodriguez because he just took care of everything," Mrs. Phillips said at the investiture, recalling the quality of care she and her late husband received. "Dr. Rodriguez, you have such a great, kind heart, and you deserve this more than anyone I know."

"It's critical to have endowed positions in the department to continue to have a stable, outstanding faculty that can provide excellent education and delivery of health care," Rodriguez said.

Rodriguez has a family legacy of orthopaedics excellence. His father was director of the National Institute of Orthopaedics in Cuba, while two of Rodriguez's sons are orthopaedists, including Dr. Ramon Rodriguez (B '91), an assistant professor at the School of Medicine.



Pierrette "Petie" Phillips and Dr. Raoul P. Rodriguez at the Phillips investiture

Board member Phyllis M. Taylor donates \$5 million for Presidential Chair

The Patrick F. Taylor Foundation has committed \$5 million for the funding of a Presidential Chair. Foundation chairman and president Phyllis M. Taylor (L '66) is a member of the Board of Tulane and a graduate of Tulane Law School.

Tulane will establish the Phyllis M. Taylor Presidential Chair Endowed Fund to support a chair in an interdisciplinary area of academic study. The grant will fund the salary and other expenses directly associated with the professor's academic work.

"Tulane University continues to build on its reputation of providing state-of-the-art educational opportunities for its students," Taylor said. "Having nationally and internationally recognized faculty is vital in continuing that challenge. A Presidential Chair will allow for one more such person to share his or her knowledge with the student body."


Taylor and the Patrick F. Taylor Foundation contributed \$15 million for the creation of the Phyllis M. Taylor Center for Social Innovation and Design Thinking in 2014 and funded the \$1 million prize to the winning team of the Tulane University Nitrogen Reduction Grand Challenge in 2017.

Taylor is currently a co-chair of the *Only the Audacious* campaign. She is a past member of the President's Council and has also served on the Tulane University Health and Sciences Center Board of Governors, the Tulane Medical Center Hospital/Clinic Board of Directors, the Center for Bioenvironmental Research Advisory Council, the Key to the Cure Committee, and the Newcomb Dance Advisory Board. In addition, she is the 2011 recipient of the Dermot McGlinchey Award.

"Phyllis Taylor's support is absolutely central to Tulane's goal of bringing the best minds from multiple fields together to solve the world's most pressing challenges," Tulane President Mike Fitts said. "Her funding of the Phyllis M. Taylor Presidential Chair Endowed Fund is the latest in her longstanding and unwavering commitment to making the world a better place."

The purpose of the Presidential Chairs is to attract some of the world's most renowned faculty members in areas such as biomedicine, coastal restoration, global health and fields not yet explored. These faculty members will embark on a pursuit of teaching and research that crosses multiple disciplines and transforms the world.

Fitts plans to establish many such professorships and has designated this as a campaign priority. These preeminent faculty will be hired as universitywide professors with joint appointments between schools to research and teach at the intersection of different subjects.

Taylor's late husband, Patrick, was a member of the Tulane College Dean's Advisory Council. Taylor succeeded her husband as chairman and chief executive officer of Taylor Energy Co. LLC, a privately owned independent energy company. 



Board of Tulane member and alumna Phyllis M. Taylor committed \$5 million toward an interdisciplinary Presidential Chair.

"Tulane University continues to build on its reputation of providing state-of-the-art educational opportunities for its students."

PHYLLIS M. TAYLOR (L '66), Board of Tulane Member

Tulanians

Submit your news to alumni.tulane.edu/news and follow @tulanealumni on Facebook to share your memories and join the conversation.



HOUSTON SECOND-LINE

Attendees of the Houston chapter of the Tulane Alumni Association lead a second-line through their annual Mardi Gras brunch on Feb. 10, 2019.

PHOTOGRAPH BY ANNE MARIE D'ARCY

1960
1969

MAY GWIN WAGGONER (N '63, G '68)

co-edited the definitive anthology of Louisiana literature written in French. *Anthologie de la littérature louisianaise d'expression française de 1682 à nos jours* (éditée par Mathé Allain, Barry Jean Ancelet, Tamara Lindner, et May Rush Gwin Waggoner) was published by the University of Louisiana Press in the fall of 2018. It is her eighth book, including juried scholarly works, creative works and critical editions. She has published numerous articles about Louisiana dance, folklore and folk music, and is also a published poet who has won 15 literary awards in France, Belgium and the United States and has arranged 45

songs and dances for the folkloric troupe Renaissance Cadienne.

DR. ROBERT CATANZARO (A&S '68) is still practicing orthopedic surgery in Fort Lauderdale, Florida, and has no plans for early retirement. He has three daughters and four grandchildren and celebrated his 50th anniversary with his wife and high school sweetheart. He visits New Orleans often.

1970
1979

DR. RANDALL E. MARCUS (A&S '72) joined the Case Western Reserve University School of Medicine in 1975 for an internship and subsequent residency in orthopedic surgery. Almost 43 years later, the Louisiana native has adopted Cleveland

as his second hometown and has established with his wife, Katy, the Randall E. Marcus, MD, Professorship in Orthopaedic Surgery at Case Western Reserve.

MARLENE ESKIND MOSES (NC '72, SW '73), an internationally recognized family law expert and founding manager of MTR Family Law, PLLC, has been selected for inclusion in the 2018 edition of *Mid-South Super Lawyers*. Each year, no more than 5 percent of lawyers in each state are selected for inclusion in *Super Lawyers*.

PEGGY MOSS (NC '75) became president of Hadassah New York in January. Over the past 32 years, Moss has been a volunteer with the New York City Ballet and a docent at the Bronx Zoo (Wildlife Conservation Society), where she has volunteered every other Sunday for 32 years and is the Bronx Zoo representative for AZADV (Association of Zoo

Which professor influenced you the most during your time as a student?



Professor Victoria Bricker was my dissertation director and mentor. She taught me to really listen to my students and value what they bring to the table.

Amy George, NC '95, G '04



Dr. Terry Christenson, freshman year. I signed up for [Intro to Psychology] to fill a distribution requirement, but it quickly became my favorite class. He made the material interesting and exciting! I went on to graduate with a psychology major, earn 2 further degrees, and make a career in psychology.

Wendy Whitman-Orlin, NC '86



Reggie Parquet in the School of Social Work. Amazing mentor and professor, even better person! One of the most influential people I've met in my entire life!

Daniel Harris, SW '19

Continued on page 41

BRIAN DISTANCE

ATTORNEY & ACTOR

FROM BOATS TO BANKS

The events of Sept. 11, 2001, prompted Brian Distance (L '91), who was then working on Wall Street as a financial attorney, to pursue his dream career: actor.

Today Distance, who lives in New York City, is still working as a financial attorney for an investment bank on Wall Street. But he's building his TV- and film-acting resume role by role — and his latest is as a nefarious Macon, Georgia, police officer in the 2018 Oscar-winning film *Green Book*.

Distance originally attended Tulane University Law School because he wanted to pursue maritime law. He'd already tried a couple of careers by then, including

mechanical and civil engineering, and was in search of a better fit for his personality.

He wanted “a career where I needed to be able to think outside the box, something that I'm not going to be doing the same thing each and every day,” he said.

Law seemed not only well-suited for the outgoing Distance, but developing the ability to read contracts seemed practical as well. He worked in maritime law for a while in New Orleans, and eventually went into structured finance law.

Having two careers, Distance said, gives him another reason to “wake up in the morning.” He balances both careers by working remotely and using vacation time to manage his acting jobs. And even though he gets recognized more as an “actor who has a side gig as a Wall Street lawyer,” he may have already earned the admiration of his fellow attorneys.

“They get a big kick out of it,” he said.

In fact, Distance recognizes a common ground between the two careers: Both attorneys and actors “have to persuade the audience” — be it judge, jury or viewers — “that what we're doing is true, and it's real.”

EXTRA EFFORTS

Even as a child, Distance felt the thrill of being onstage; he still remembers the first words he said in a school play: “Goodness gracious, sake's alive, I can't believe it, but it must be the Christmas fairy.”

It would be decades, though, before Sept. 11 would convince Distance that life was too short not to pursue long-held dreams. After Distance enrolled at the prestigious William Esper drama school, he started to act in commercials, movies and TV shows. Along with the movies *Tower Heist*, *Law Abiding Citizen* and *How Do You Know*, *Green Book* is his highest-profile movie so far. (Distance attended the Academy Awards ceremony in February when the movie won Best Picture.) But he has also had a recurring role in TV's “NCIS New Orleans,” and co-star roles in



Continued from page 39

and Aquarium Docents and Volunteers). For the past 11 years Moss has been the morning minyan gabbai at Congregation B'nai Jeshurun. Moss gave up the corporate world 11 years ago and started her own fitness business, ToningUp, and pursued being a personal organizer.

DR. STEVEN J. YEVICH, COL. (RET)/U.S. ARMY, (A&S '74, G '76, M '80) was featured in the historical series *MAC-V-SOG – Team History of a Clandestine Army, Vol. 9* as a member of Recon Team (RT) Mocasin in the Top Secret Special Forces unit known as Command and Control North/Task Force 1 Advisory Element (CCN/TFAE), operational from 1965–1972, during the war in Vietnam. The series, authored by Jason M. Hardy, documents the members of the reconnaissance teams from this unit during the war. Yevich lives and plays internationally.



LUCKY 13

Author **JAMIE AIELLO BECK (B '88)** will publish her 13th book since 2014, *The Promise of Us* (Book 2 in her Sanctuary Sound Series), in April (Montlake Romance). Beck has sold over 2 million copies of “smart fiction with heart” and is planning the third book in the series for next year. The page-turning release follows a woman named Claire as she overcomes loss, navigates a broken friendship and explores a budding romance with an old flame. Beck lives in Connecticut.

Attorney **M. KATHLEEN MILLER (NC '78, L '80)** of Mobile, Alabama, managing partner of Armbrecht, Jackson LLP, is the recipient of the Alabama State Bar's 2018 Susan Bevell Livingston Leadership Award, which was presented in November. The award is given annually to a female attorney who demonstrates a continual commitment to those around her as a mentor, a sustained level of leadership throughout her career and a commitment to the community in which she practices.

Which professor influenced you the most during your time as a student?



I am where I am in my career due to Dr. Cedric Walker, professor emeritus and former chair of biomedical engineering. At Tulane I knew him as a creative and passionate educator who taught me to strive for excellence. Now I know him as a supportive and encouraging mentor.

Nicki Hairrell Urban, E '96

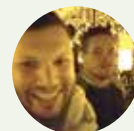


The engineer teaching in architecture school: Bill Mouton.

He accepted me with my probably very-mental-state at the time (very nurturing, which is what students NEED), and he also became a friend/buddy.

Rest in peace.

SG Da, A '92



Professor WT Godbey taught a very interesting class and, based on my enthusiasm, gave me the opportunity to assist in his research. I was always treated as a peer and given real advising when exploring a new experiment. Hands down, a fantastic professor.

Alex Ortiz, TC '06

“House of Cards,” “Billions,” “Blindspot,” “Daredevil” and others.

One constant is that Distance always seems to play a security guard or a police officer. He’s played them so often that on-set, other actors frequently mistake him for the real thing, as opposed to one of their own.

Being typecast has a benefit, though. Every TV or movie script seems to have a police officer role.

“I want to give a face to law enforcement,” Distance added, noting that TV shows often only show police arresting someone. “A lot of time you see a badge and a uniform. You don’t see the humanity within that particular profession. You don’t see the struggle. I just want to show that there are many sides to being a law-enforcement officer.”

Once, after filming but while still in uniform, Distance wielded his on-screen authority in a Halloween prank with some mischievous bar patrons. A group of people set up their unsuspecting friend for “questioning” with “Officer Distance” — all in fun, of course.

Is impersonating an actual officer only for prank purposes legal, especially if it did not facilitate a crime or influence anyone’s behavior?

Distance paused. “It’s ... not really illegal,” he said, laughing. “Which is why I like the law, because you can always argue.”

Holland & Knight partner **STEVEN M. ELROD (A&S '79)** took office for a one-year term as president of the Chicago Bar Association. Elrod is one of Chicago's most prominent land-use and local government attorneys. He serves as chair of Holland & Knight's national land-use and government practice and executive partner of the firm's Chicago office.

Judge **MORRIS SILBERMAN (A&S '79)** of Florida's Second District Court of Appeal was recently elected secretary/treasurer of the Council of Chief Judges of the State Courts of Appeal, where he also serves as chairman of the Finance Committee and the Strategic Planning and Evaluation Committee and as a member of the American Law Institute, serving on the Members Consultative Groups for Principles of the Law, Policing, and for Student Sexual Misconduct: Procedural Frameworks for Colleges and Universities. Silberman is also on the University of Florida Law Center Association Board of Trustees.

1980
1989

The University of San Diego School of Law presented **KNUT JOHNSON (A&S '80)** with the Distinguished Alumni Award, which is given to those who have excelled either in the legal field or their chosen profession. He presently serves as the chair to the Practitioners Advisory Group to the U.S. Sentencing Commission. Since law school, Johnson has been named to the top 10 attorneys in San Diego by *Super Lawyers* and was named "Lawyer of the Year" for San Diego White Collar Criminal Defense by *Best Lawyers in America*. The U.S.

Marine Corps awarded him a Certificate of Commendation for volunteer work.

Business attorney **WADE WEBSTER (L '82)** has joined Chaffe McCall's New Orleans office as a partner in the firm's business practice. Webster has over three decades of experience in corporate law, litigation, taxation, business planning and successions.

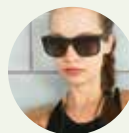
PAUL FORBES (G '84) was appointed to serve as a special projects/program coordinator with the College of Science and Technology at Southeastern Louisiana University in Hammond, Louisiana. The workforce-ready program is a partnership among Southeastern, the Louisiana Department of Economic Development and leaders in the information technology industry. The program is designed to align academic programming with the industry's needs, including internships and job placement.

JAMES DILLARD (E '85, '87) was appointed executive vice president and chief scientific officer of Perrigo Co. in Ireland. In this new role, Dillard will be responsible for providing global oversight and coordination of Perrigo's research and development, quality, regulatory and innovation efforts.

1990
1999

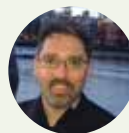
JEFFREY W. KIBBEY (UC '90, L '93) recently joined the Zillow Group as vice president of compliance. Zillow.com is the world's largest online real estate and rental marketplace, with over 110 million unique listings. Kibbey and his wife, Patsy, will be relocating to Seattle from California, where he was most recently general

Which professor influenced you the most during your time as a student?



Dr. Dennis Kehoe in the classical studies department. The guidance he gave me on simplifying and streamlining my writing/argument somehow got stuck in my head. Now I'm a communications specialist for art museums. He probably has no idea his teaching had such an effect on me, but to this day when I write I think, "What would Kehoe do? How would he phrase this?"

Meg Floryan, NC '08

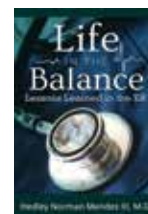


Professor Peter Ricchiuti's investments class, before Burkenroad. His class was one of the most practical, yet enjoyable classes that taught me to love investments. I still remember his shtick with blue crabs, showing us the best use for the *WSJ* marketing section!

Jason Lindauer, A&S '93

counsel and chief compliance officer to Sierra Pacific Mortgage Co., one of the nation's top 20 mortgage lenders.

LARRY WEISS (A&S '91) has been named vice president and general counsel of Analog Devices, a global semiconductor company based in Boston. He currently lives in Guilford, Connecticut, with his wife, Charly (NC '91), and their sons Tanner and Hunter, and will be relocating to the Boston area this summer.



MEDICAL MEMORIES

DR. HEDLEY NORMAN MENDEZ III (A&S '66) wrote a memoir called *Life in the Balance: Lessons Learned in the ER*. He is retired and living in Wilmington, North Carolina.

Stites & Harbison attorney **JOHN R. WINGO (A&S '91, L '94)** of Nashville, Tennessee, was recognized in the 2018 edition of *Mid-South Super Lawyers*.

In 2008 **RUSSELL YAFFEE (E '91)** and his business partner opened Peters and Yaffee, a traffic- and transportation-engineering firm in Jacksonville, Florida. The firm, which employs 16 people, recently celebrated its 10th anniversary.

MARY WALKER (NC '92) is the acting administrator for the Southeast Region (Region 4) of the Environmental Protection Agency in Atlanta. In this capacity, she leads EPA's efforts to protect human health and the environment in eight southeastern states.

JESSICA ABEND (NC '97) received a certified volunteer administrator credential from the Council for Certification in Volunteer Administration. She lives in the Greater New York City area.

DR. ALPEN PATEL (A&S '93) is president-elect of the American Academy of Otolaryngic Allergy. He practices in the Baltimore area.

RODNEY O'NEIL WILLIAMS (L '99) was elected as judge of the 268th District Court in Texas.

DINO DOODLE

MARIA LANE-GOMEZ (NC '99) of Falls Church, Virginia, and Google users worldwide played with the Google-doodle dinosaurs created by Maria's daughter, 7-year-old Sarah Gomez-Lane. Sarah won the 2018 Doodle for Google contest with her "Dino Doodle," which Google's Doodle Team animated based on her ideas for the dinosaurs' favorite foods, instruments and other activities. As the Doodle for Google national winner, Sarah won a \$30,000 college scholarship, and her school received \$50,000 of Google technology. Lane-Gomez, husband Enrique Gomez Aceff, and other family members traveled with Sarah to Google headquarters in Colorado for a day of creativity with the Google Doodle team.

The comments above answer a question posted on Facebook by the Tulane University Alumni Association. Connect with TUAA at [facebook.com/tulanealumni](https://www.facebook.com/tulanealumni).

LARISSA MONTROSE NAHARI (NC '99)

and her husband, Ami, formed The River Wine in 2011 to import and distribute wines from Israel. Now they produce a California label called "Twin Suns" in honor of their newly born twin boys, Ivri and Eitan. Twin Suns is now on its fourth vintage, with Cabernet and Chardonnay from Lodi, a Paso Robles Syrah, and a Reserve line including Zinfandel. Nahari lives in New York.

2000
2009

FRANK RELLE (TC '00) has been awarded the Michael P. Smith Award for Documentary Photography as part of the Louisiana Endowment for the Humanities (LEH) 2019 Humanities Awards. Each year, the LEH presents awards to approximately a dozen individuals and projects that have made significant contributions to the discipline throughout the state. He lives in New Orleans.

BENJAMIN-DAVID LEGRAND (TC '02, UC '04) completed a doctorate in Educational Leadership at Xavier University of Louisiana with his published dissertation, "Early-childhood computer-based testing: Effects of a digital literacy intervention on student confidence and performance." Legrand said his undergraduate experience and post-baccalaureate teaching certification at Tulane guided him as a teacher and leader. He teaches science and social studies at George Cox Elementary School in Greater New Orleans and annually returns to the Tulane campus to introduce his students to the college experience.

AMY LAMARCA LYON (SW '02) was recently appointed as associate director of the Social Work Department of the University of Texas MD Anderson Cancer Center.

CLAIBORNE SCHMIDT (B '00) has a New Orleans-based company called Dat-MamboShirt that designs and sells men's casual shirts in a style modeled after the Latin American guayabera and embroidered with popular symbols of New Orleans.

DAVID WUNDERLICH (TC '03) was a speaker at the American Bar Association International Law Section conference in Mexico City, Mexico, on the topic of "Aligning Regulation of Cannabis



IMPRESSION

DEBRA HOURY

Many doctors train to become emergency room physicians, hoping to save lives. But serving in this role for Debra Houry (M '98, PHTM '98) wasn't enough. She wanted to help stop injuries before they ever happen.

From car crashes, falls and assaults to suicide attempts and overdoses, Houry said she's treated them all while practicing emergency medicine.

"I saw both the impact that these injuries had on my patients when I was treating them in the ER, but I also saw the long-term consequences of these injuries," said Houry. "Many of these injuries were preventable, and with the medical and public health education I received at Tulane, I wanted a career where I could focus on the prevention of these events."

Today, Houry serves as director of the National Center for Injury Prevention and Control at the Centers for Disease Control. In this capacity, she focuses her work on combating the opioid overdose epidemic, among other critical issues such as suicide and child maltreatment.

During her tenure at the CDC, Houry oversaw the release of "Guidelines for Prescribing Opioids for Chronic Pain," which gives providers the best available evidence for managing patient opioid prescriptions.

Portions of the guide have since been adopted widely by many states and insurance companies. Many medical societies have extended their endorsement.

"We have seen high-risk prescribing patterns for overdose, such as prescribing high morphine milligram equivalents, and cases of multiple prescribers going down," said Houry. "This will save lives."

Last fall, Houry visited Tulane for a discussion on the role of providers and those who serve on the frontlines.

"It is our responsibility to talk with patients about opioid-use disorder and to provide or refer them for treatment when necessary," said Houry.

While much has been done to study the opioid epidemic, Houry said there's still much to do.

Among those next steps, she said, are improving the link to care for patients who have overdosed, increasing access to naloxone for those who are at risk of overdosing, and expanding guidance on the safe prescribing of opioids for procedures such as dental pain and surgeries. 📖



Libby and Kendall Glazer, founders and owners of Stoney Clover Lane

IMPRESSION

KENDALL & LIBBY GLAZER

A hobby shared by sisters Kendall Glazer (SLA '13) and Libby Glazer (SLA '15), which began in a Tulane residence hall, has grown into a lucrative business that combines fashion with messages of positivity.

Together, the Glazer sisters co-founded and developed Stoney Clover Lane, a customizable line of bags, pouches and other small accessories that has infiltrated the celebrity market and caught the eye of major retailers such as Nordstrom, Target and Shopbop.

The Stoney Clover Lane entrepreneurial experience has been a crash course in business for the two non-business majors. (Kendall majored in sociology, and Libby in Jewish studies.)

"In the beginning, it wasn't about projected sales and other analytics. It was, and still is, all about the customer," said Kendall Glazer. "We didn't go into it with a business plan; I think if we had, we might have never done it because it might have been overwhelming at the time," Glazer said.

Now they have merged their customer-centered approach with the skills they have learned over their decade in business. The company has 20 team members. More than half of its sales are driven by online, customizable products.

The Glazers also operate a new store in Palm Beach, Florida, and a pop-up in Los Angeles. The company name is a shout-out to the street they grew up on in Rochester, New York.

Early fans of the line included Taylor Swift, Miley Cyrus and Selena Gomez, who were spotted wearing Stoney Clover Lane bracelets when the line was new. But the line still pays homage to New Orleans, with Tulane-specific products and Mardi Gras promotions.

Philanthropy has been an important part of the story as well. Kendall said the brand works with organizations that fight cancer and childhood adversity, among others. In the past they commemorated Hurricane Katrina.

The Glazers developed skills and relationships while at Tulane — sometimes beading bracelets with friends on the floor of Sharp Hall — that gave them valuable insights into how they wanted to run their company.

It's an even partnership, although Kendall said she likes the business side and social media a little more, while her sister, Libby, handles more of the creative tasks and the retail location.

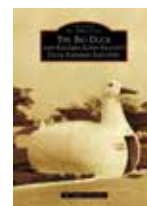
"When it comes down to it, there's not anything that either one of us would not do," Kendall said.

If they know one thing, it's how to keep their customers coming back.

"My sister and I create for our target audience — and we happen to be that audience," added Libby Glazer. "This makes it easier to know what our customers want." 🐥

Markets With International Realities and Legal Obligations." Wunderlich practices law in Colorado and represents hemp and marijuana businesses.

MATT COLEMAN (UC '04) is the new regional communications director for the U.S. Small Business Administration Atlantic Region. Coleman leads public affairs, strategic communications and media relations, marketing, digital and social engagement in New York and New Jersey as well as the Commonwealth of Puerto Rico and U.S. Virgin Islands. His portfolio also includes issues management and speechwriting, and he serves as official spokesperson for Region II.



BIG DUCK

SUSAN VAN SCOY, PHD, (NC '02) a professor of art history at St. Joseph's College in New York, completed her first book, *The Big Duck and Eastern Long Island's Duck Farming History* (Arcadia: March 2019), which traces the history of the landmark Big Duck building in Eastern Long Island that helped coin the architectural term "duck" architecture.

LUCAS HERRINGSHAW (A '04) was promoted to associate at RODE Architects in Boston. Herringshaw has been an integral part of the firm's success with his attention to detail, focus on design integration, technical expertise and project.

EMILY K. ROBERSON (NC '04, PHTM '08) is an assistant professor of public health at Hawaii Pacific University. Roberson joined the university in 2016 and has played an instrumental role in developing undergraduate and graduate public health programs there.

GREG PIZZINO (TC '04) contributed the title story of the anthology *Queen of Clocks and Other Steampunk Tales* and has recently been invited to debut his first stage musical, "Benestopheles: The Last Days of Ghoulish Graves," as a workshop production in April 2020 with Ypsilanti, Michigan's NTG theater company.

JOSHUA WIESMAN (E '05, G '06) launched Smilo, a Boston-based direct-to-consumer baby-and-child brand, with his business partner. Smilo sells pacifiers with a shape that reduces the risk of bite misalignment in young children. Wiesman is also a professor of the practice at Tufts University School of Engineering.

ROSS WILLIAMS (TC '05) made *D Magazine's* 2019 "Best Lawyers Under 40 in Dallas" list.

After graduating with a degree in international development, **MALACHI GARFF (SLA '09)** launched New York-based Magda Made with a friend she met bartending "at good old F&Ms"—and with whom she went on to travel through Southeast Asia and Latin America. Their mutual love for well-crafted items led to Magda Made, a platform for artisans in Colombia to showcase handmade baskets, ceramics and textiles. Magda Made abides by fair trade standards and strives to be fully transparent in its process.



JOHN HOLSCHUH (SLA '10) has joined the law firm of Santen & Hughes in Cincinnati as an associate attorney. Holschuh will practice in the areas of general litigation, including personal injury and medical malpractice, and business law. He previously worked as a litigation attorney with the Legal Aid Society of Southwest Ohio, where he represented clients in real estate and civil rights matters.

Loyola University New Orleans College of Law announced **GABRIELLA MOURIZ (SLA '18)** as a member of the 2018 class of Ignatian Law Scholar Awardees, the College of Law's highest honor for new law students. The Ignatian Law Scholar Award recognizes particularly promising members of the entering law school class, whose record reflects the Jesuit values of commitment to academic excellence and service to others.

Farewell

We say goodbye to Tulanians whose deaths were reported to us during the past quarter.

Marjorie Kister Miller (NC '40, M '44, PHTM '78)

Gerald S. Berenson (A&S '43, M '45)

Dixie Vernon Choyce (SW '43)

Lawrence B. Eustis (A&S '43)

Marjorie Lewis Fremaux (NC '43)

Eleanor Gates Barry (NC '44, '49)

Margaret Baker Courtin (G '45)

Robert S. Andersen (E '46)

Robert A. Pierpont Jr. (E '46)

Leona Bersadsky (NC '47, G '49, M '65)

Cecile Orenstein Kass (A&S '47)

H.P. Simon (L '47)

David L. Stephens (A&S '47, M '49)

Alice Butman Bellows (NC '48)

Frank H. Hagaman (B '48)

Carol Gondolf Jensen (B '48)

David R. Normann (A&S '48, L '50)

R.R. Richmond Jr. (A&S '48)

Emile J. Brinkmann Jr. (E '49)

Edmond L. Deramee Jr. (L '49)

Leonard L. Dreyfus (B '49, L '51, A '59)

Betty Cornman Manis (NC '49)

Rosalie Cocchiara Poole (NC '49)

Dorothy Katzer Rappeport (NC '49)

Myron H. Rappeport (B '49)

James M. Sharp (E '49)

George P. Bywater (E '50)

Mary Jackson Carlisle (NC '50)

Sol I. Courtman (M '50)

Fred E. Kleye (E '50)

Lucy Barret Normann (NC '50)

Morton H. Rachelson (M '50)

Jane Parkhouse Sharp (NC '50)

John A. Stewart (A&S '50)

Clotaire D. Delery Jr. (A&S '51)

Frances Wehrenberg Hinrichs (B '51)

Ellen Tishman Rosenthal (NC '51)

Samuel A. Shannon Jr. (A&S '51)

Jack W. Thomson Jr. (L '51)

Weldon A. Behrend (A&S '52)

Reynolds Jones Davant (NC '52)

Edwin E. Buckner (M '53)

Hughes J. De La Vergne II (A&S '53, L '57)

Charles M. Fife Jr. (B '53)

Harold R. Gaule Sr. (UC '53)

John E. Kerrigan Jr. (E '53)

George B. Garfinkel (A&S '54)

John F. Quackenbush (A&S '54)

James C. Liner III (A&S '55)

Barbara Fleischman Pielet (NC '55)

Joseph H. Wright (M '55)

Elissa Genet Young (UC '55)

Nofie D. Alfonso Jr. (A '56)

John W. Connolle (B '56)

Travis E. Lunceford (M '56)

Roy M. Stoll (A&S '56)

John R. Fielding (E '57)

Marjorie Hanson Bean (UC '58, G '60)

James A. Cunyus (M '58)

John M. Klopff Jr. (B '58)

Hugh Lamensdorf (A&S '58, M '61)

Andrew G. Moore II (B '58, L '60)

William I. Parrish (A&S '58)

Donald J. Peacock (A&S '58)

Marie Campagnolle Romano (NC '58, G '62)

Peter R. D'Alena (M '59)

John L. Eckholdt (B '59)

Ronald L. Peaker (B '59)

Eugene T. Byrne Jr. (B '60, G '67)

Louis J. Engolia (A&S '60)

M.B. Maxian (A&S '60)

Gayle Porte McCoy (NC '60)

Yvette Loury Rosen (G '60)

Donald D. Smith (A&S '60)

Sandra Moyers Bourbon (NC '61)

Forrest Forsythe (A&S '61, G '64)

John P. Riley Jr. (A&S '61, G '63, '67)

Leroy J. Runey Jr. (B '61)

Francis L. Todd (A&S '61)

Wilbert L. Argus Jr. (A '62)

Joanne Wolf Cohen (NC '62)

Robert L. Levin (A&S '62)

Patrick Priest (A&S '62)

Gerald L. Varland (A&S '62)

George A. Aldridge (M '63)

John J. Garitty Jr. (UC '63)

Donald J. Hart (UC '63)

M. Frances Hebert (G '63)

Toxey M. Morris (M '63)

Margaret Murphy (SW '63)

Richard W. Gillespie (PHTM '64)

Dale W. Gott Jr. (A&S '64)

Ann Wisdom Stolley (NC '64)

Catherine Marshall Clark (NC '65)

Susan Elliott Hammon (NC '65)

David C. Howell (G '65, '67)

Eugene P. Shafton (M '65)

Stephen I. Katz (M '66)

Julian M. Touns (SW '66)

Irvin A. Wilhite (A&S '66)

Samuel Zemurray III (A&S '66)

H.E. Ellzey Jr. (L '67)

Robert W. Marks (A&S '67)

John M. Callander III (A&S '68)

Ervin A. Hinds Jr. (M '68)

Thomas H. Barrows (A&S '69)

Arnold A. Broussard (A&S '69)

Arlene Hechter Lakin (NC '69, G '71)

Allan H. Lambert (E '69, G '71)

Helen Blackshear Stevenson (NC '69)

Faye Cook Webb (SW '69)

Wiley J. Beevers (L '70)

Paul Claflin (PHTM '70)

Ellen Hancel (NC '71)

J.H. Henderson III (L '71)

Harry D. Joynton Jr. (SW '71)

Peter M. Kahle Sr. (UC '71)

Victoria Broussard Allen (NC '72)

Eara Merritt (E '72)

Frederick G. Boynton (L '73)

Louise Baehr Martin (G '73)
 Howat A. Peters Jr. (L '73)
 Wayne D. Wands (A&S '73)
 William M. Witter (A&S '73)
 Ernest G. Drake Jr. (L '74)
 Michael J. Markey (E '74)
 Bettie Kahn (NC '75)
 Patrick F. Lee (A&S '75)
 Zetta Bryant Hearin (G '76)
 Stephanie Mouton Reed (NC '77, M '81)
 William H. Boustead (L '78)
 Richard T. Metcalf (E '78)
 John B. Trumbo (A&S '78)
 Keith D. Wells (UC '78)
 Lucy Durr Hackney (L '79)
 Edna Moss (SW '79)

Patricia Wright (NC '79)
 Randal J. Ferrara (A&S '81)
 James R. Sutterfield (L '81)
 Leona Wright (UC '82)
 Patricia Head Minaldi (L '83)
 Marilouise Michel (G '85)
 Mona Mullins-Williams (UC '85)
 Steven S. Porter (B '85)
 Jeanette Fritzky (B '87)
 Bryan A. Pfleeger (A&S '87)
 William A. Bischoff IV (SW '88)
 Randy A. McKevitt (L '90)
 Neil A. Russakoff (M '92)
 Stephen F. Hansen (PHTM '96)
 Oscar del Rio (M '97)
 Tamara Ewing (SW '97)

Christie Durbin Mena (UC '99)
 Lori Glover Prapas (NC '02)
 April Hartman (SSE '13, PHTM '16)
 Jennifer Werther (SCS '14)
 Jeffrey J. Notarianni (L '17)
 William P. Hupp (B '18)

KEY TO SCHOOLS

SLA (School of Liberal Arts)
 SSE (School of Science and Engineering)
 A (School of Architecture)
 B (A. B. Freeman School of Business)
 L (Law School)
 M (School of Medicine)
 SW (School of Social Work)
 PHTM (School of Public Health and Tropical Medicine)
 SoPA (School of Professional Advancement)

A&S (College of Arts and Sciences, the men's liberal arts and sciences college that existed until 1994)
 TC (Tulane College, the men's liberal arts and sciences college that existed from 1994 until 2006)
 NC (Newcomb College, the women's liberal arts and sciences college that existed until 2006)
 E (School of Engineering)
 G (Graduate School)
 UC (University College, the school for part-time adult learners. The college's name was changed to the School of Continuing Studies in 2006.)
 SCS (School of Continuing Studies, which changed its name to the School of Professional Advancement in 2017.)

TRIBUTE

STEWART FARNET



Architect Stewart Farnet (A '55) died on Dec. 26, 2018, in Mandeville, Louisiana.

Stewart's architectural practice was involved in a wide range of high-profile commissions: the Sheraton Hotel on Canal Street, the Reily Center at Tulane and Harrah's Casino, and his leadership in the civic world was far reaching. He was the chair of the board of the New Orleans Museum of Art during and after Hurricane Katrina in 2005, and he was a guiding force on the board of the Azby Foundation, which has provided essential support to countless projects. In addition to this body of work, his personal traits and his manner as an architect and member of that community of public-minded designers are what strike me as an equally important part of his legacy, the subtle influence of his personality on me and many others he knew.

Stew's kind treatment of his clients and colleagues is memorable. Architecture and the world of construction can be fairly rough and tumble. A lot of money is at stake and, as time is precious, tempers can wear thin. The pressures of professional life are daunting and potentially expensive, and few, in my

experience, negotiated the sometimes treacherous currents as gracefully as Stew. Rather than look for faults, he seemed to look for the "line of good" in a project and, in general, in his dealings with others.

His friendliness toward his fellow professionals also stands out. His nearly courtly manner and his genuine enthusiasm in greeting and communicating with his colleagues were endearing qualities. I speak from personal experience here, having never crossed paths with Stew without coming away with a feeling of somehow having been affirmed by the experience. This is not so easily done and cannot be done without a deep personal and genuine respect for others.

Stew's leadership will be missed and will not easily be replaced, but we might all think of his example as we carry on as best we can. The adventure of architecture and of living in general is, or can be, a joyous one, and we can hardly do better than to think of the example of Stewart Farnet as a guide and inspiration. 🍷

—Errol Barron, *FALA*, is a professor of architecture at the Tulane School of Architecture.

2019 ALUMNI AWARDS

Tulane University Alumni Association presents its annual alumni awards to 10 outstanding graduates in a ceremony at the National World War II Museum in New Orleans on April 6.

Dermot McGlinchey Lifetime Achievement Award

Darryl D. Berger (L '72)



Darryl Berger received his JD in 1972 from Tulane Law School, where he served as a member of Moot Court and received the 1971 New Orleans Notaries Association Award for Excellence in Real Estate Transactions. Berger served on the Board of Tulane University 2004–2018 and as chair of the Board of Tulane from 2013–2017. He is also a past chairman of the Tulane President's Council. In 2004, he received the Tulane University Distinguished Alumnus Award. Berger is president of The Berger Company, which he founded in 1972.

Professional Achievement Award

Linda S. Wilson, PhD (NC '57)



Linda Wilson received a bachelor's degree from Newcomb College. She has served as a member of the Newcomb Dean's Advisory Council. Wilson served as president of Radcliffe College from 1989–99 and is president emerita of Radcliffe. Previously, she was vice president for research at the University of Michigan and served in the senior administrations of the University of Illinois and Washington University, St. Louis, and was a research faculty member of the University of Maryland. Wilson is an emeritus member of the Board of Tulane.

Bobby Boudreau Spirit Award

Carol Downes Cudd (NC '59) and Robert C. Cudd (A&S '58, L '60)



Carol Downes Cudd and Robert "Bob" Cudd are among the most generous supporters of the Newcomb Art Museum, Tulane Athletics and Tulane University. A lifelong member of the Green Wave Club (now Green Wave Athletic Association), Bob was a member of the Steering Committee and Capital Subcommittee of the 1986 Campaign for Tulane Athletics. Carol has been exceptionally active in also supporting Athletics and the Newcomb Art Museum and is the namesake of the Carol Downes Cudd Award for academic achievement and service to the university.

Tulane University School of Public Health and Tropical Medicine Outstanding Alumni Award

Charles N. Kahn III (PHTM '80)



Charles Kahn holds a master's of public health degree from Tulane University's School of Public Health and Tropical Medicine, which in 2001 bestowed upon him its prestigious Champion of Public Health award. He currently serves as president and CEO of the Federation of American Hospitals. Kahn has taught health policy at Johns Hopkins, George Washington and Tulane universities.

Distinguished Alumni Award

Lisa Perez Jackson (E '83)



Lisa Jackson is Apple's vice president of Environment, Policy and Social Initiatives. A New Orleans native, Jackson graduated from Tulane University with a degree in chemical engineering. She also served as the administrator of the U.S. Environmental Protection Agency from 2009 to 2013. Jackson is on the Board of Tulane as well as the Board of Advisors for the School of Science and Engineering.

International Award for Exceptional Achievement

The Honorable Ian S. Forrester (L '69)



Judge Ian Forrester has been an academic teacher, author and practitioner. He has lectured on European Commission legal and policy topics in many countries and published extensively. He sits in the Third Chamber of the General Court of the Court of Justice of the European Union, and his interests in competition include intellectual property rights, dominance and due process. He earned a Master of Civil Law from Tulane in 1969.

Robert V. Tessaro Young Alumni Volunteer Award

Whitney R. Silverman (NC '08, SLA '08)



Whitney Silverman is a graduate of Newcomb College and the School of Liberal Arts with a Bachelor of Arts in history and political science and a Master of Arts in history. After law school, Silverman moved to Washington, D.C., where she began her involvement with the Tulane Alumni Association and the Washington, D.C., Tulane Alumni Club. In addition to her volunteer work with the alumni club, Silverman puts her legal skills to use as the staff attorney for the National Association of Independent Schools. In this role, she works with general counsel to address the internal legal needs of the association.

Scott Cowen Service Award

**The Honorable Thomas C. Wicker Jr. (B '44,
L '49, '69)**



Judge Thomas Wicker graduated from Tulane in 1944 with a BBA. After returning home from the Navy, Wicker entered Tulane Law School in 1946 and graduated in 1949. In 1972, Wicker was elected district judge for the 24th Judicial District, state of Louisiana, and in 1985, he was elected to the Court of Appeal, 5th Circuit, state of Louisiana, where he served until he retired in 1998.

Tulane Medical Alumni Association Outstanding Alumni Award

Clyde W. Yancy Jr., MD (M '82)



Clyde Yancy is chief of cardiology at Northwestern University–Feinberg School of Medicine, and associate director of the Bluhm Cardiovascular Institute at Northwestern Memorial Hospital. He holds the Magerstadt Endowed Professor of Medicine Chair and Professor of Medical Social Sciences. He concurrently serves as vice dean of diversity and inclusion at Feinberg. He is an Alpha Phi Omega honors graduate of Tulane School of Medicine.

WE'RE ON IT

BY MIKE FITTS, President

If there is an ecosystem that is threatened, a population in peril, a subject matter unexplored, a discovery yet to be made, a cure to be found — somebody at Tulane is working on it.

That's just what we do.

Tulane students learn this early and often. No sooner do they arrive on campus than they encounter opportunities that will help them become the leaders of tomorrow by effecting real change today.

Two perfect examples of this are biomedical engineering graduates Elaine Horn-Ranney (SSE '08, '13) and Parastoo Khoshakhlagh (SSE '13, '15), who both earned PhDs from Tulane. Research they began as Tulane students resulted in Perf-Fix, a gel-based patch that can repair damaged eardrums without surgery. Now the efforts of these two young scientists and entrepreneurs have gone out of this world. Their gel patch was on board the recent launch of the SpaceX Dragon Cargo Ship. NASA scientists ran experiments on the gel in the hope that this Tulane-born technology might help both astronauts in flight and wounded soldiers back here on Earth.



Parastoo Khoshakhlagh and Elaine Horn-Ranney at the Kennedy Space Center at the launch of the NASA SpaceX Dragon Cargo Ship in December.

Tulane's research and scholarship span the globe and enter the heavens while also incorporating (and often combining) multiple disciplines in science, engineering, business, poetry, politics, medicine, law, architecture and more. Our studies and essays fill the pages of the nation's leading research, academic and literary journals. The commentary of Tulane faculty can be found in national media coverage and trending on social media. Our authors are best-sellers, our faculty are world-renowned, and our discoveries are life-changing.

We are also attracting an increasing share of the world's best students, those who want to be on the ground floor of

tomorrow's breakthroughs and on the front row of human history as it unfolds and advances. Our academic leaders are creating an amazing synergy across disciplines that makes the Tulane student experience one of the most unique and innovative anywhere.

Understanding what triggers an immune response, prompts a behavior, fuels an addiction or places human need at the center of design are all central to our mission of teaching, learning, discovering and changing. We are concerned with justice, with creating new economic opportunities, with preserving the past through study and securing the future through sustainability.

Tulane research and scholarship play a central role in the new New Orleans — a tech hub that is showing the promise of becoming the country's next Silicon Valley.

By attracting the world's top faculty and students, Tulane is creating a critical mass of brain power and energy. We are educating the next generation of leaders, entrepreneurs, designers, creators and innovators who are as enthralled by New Orleans' culture as they are inspired by its potential. Our efforts will give talented young people the opportunity to pursue their careers and build their lives among generations of old and new New Orleanians. Together, they will continue to make sure — somebody is on it. 🍷



Tulane's research and scholarship span the globe and enter the heavens while also incorporating (and often combining) multiple disciplines in science, engineering, business, poetry, politics, medicine, law, architecture and more.

Leave Your Legacy

**SUPPORT
THE FUTURE
OF TULANE
UNIVERSITY**



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The impact of your
charitable bequest can
start now and help shape
Tulane for generations.

SYLVIA MARGOLIES (NC '63) made
a gift to Tulane in her will to celebrate her
Newcomb College 50th reunion.

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MORE ABOUT THE MANY BENEFITS OF CHARITABLE BEQUESTS.**
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A young girl in an evocative, almost religious, pose and a poem about “wild and beautiful” comprise the mural by Brandon “BMike” Odums at Studio Be in the New Orleans Bywater neighborhood.

