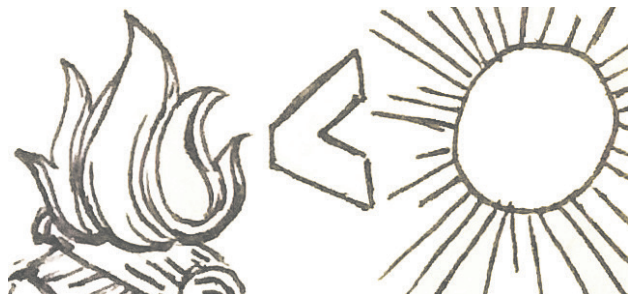




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# THE DAILY TEXAN

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## UNIVERSITY

# Dell Medical grows with city's needs

By Will Clark  
@willclark6323

The Dell Medical School plans to host 317 medical residents by 2020 who will work at Austin clinics and hospitals to meet the city's growing medical demands.

This year, the Texas Higher Education Coordinating Board approved \$825,000 in grants to add 11 new residents to the 271 already established positions, up from 209 in 2012. The new positions include six in internal medicine, three in pediatrics and two in psychiatry.

According to Stacy Silverman, deputy assistant commissioner for academic quality at THECB, the Dell Medical School is also receiving a planning grant of \$250,000 to plan for a new combined internal medicine and pediatrics residency program.

"Right now the state is challenged in keeping pace with the increase in enrollment," Silverman said. "What this funding is doing is helping establish new residency positions that would be available for our Texas medical graduates to encourage them to stay in the state and

then practice in the state."

This move is part of the University's goal to make Austin a "model healthy city," according to the school's website.

"I have one simple mission," said Jonathan Maccllements, assistant dean for graduate medical education. "To train the next generation of physicians to be the best physicians they can possibly be."

Though the THECB took its first step this year to help fund the new positions, most of the residency program is

DELL page 3



Rachel Zein | Daily Texan file photo

New funding from the Texas Higher Education Coordinating Board has made it possible for Dell Medical School to add 11 new resident positions.

## CAMPUS

# UT police program educates citizens

By Katie Keenan  
@keenanarroyo

The UT Citizen Police Academy, a program that recruits students and faculty for a semester-long training in police work, marks its 10th anniversary with the beginning of a weekly series of three-hour classes starting Oct. 3.

Classes are free and open to the public, and cover topics ranging from fingerprint lifting to the K-9 unit.

The initiation of UTPD's CPA was brought on by a desire to counter stereotypes that are often barriers to meaningful discussion between cops and civilians, UTPD Lt. Gregory Stephenson said.

"It makes for a great chance for the police department to reach out to the people we serve," Stephenson said. "I see a lot of people who take the class end up networking within UT and develop relationships."

The CPA provides an outlet for members of the UT community to voice their concerns. For Stephenson, bicycle theft wasn't a major issue until he arrived at UTPD and took part in community engagement through the CPA.

"When I was a college student and had a bike stolen, it was no big deal because it was a cheap bike that I had gotten just for around campus," Stephenson said. "But one thing I've learned here is that for a lot of students, that is their primary form of transportation."

Bike thefts, in addition to

POLICE page 2

## CAMPUS

# Fine Arts Library opens new makerspace

By Lisette Oler  
@LisetteOler

Students and professors peer down to get a closer look at the miniature 3-D-printed version of the Tower being made. Around the corner, a woman is trying virtual reality games and sewing machines are whirring. This is the Foundry, the newest makerspace on campus.

The Foundry, which opened on Wednesday, was redesigned from its original layout of desks, periodicals and art to accommodate students who like to create. The makerspace — located on the third floor of the Fine Arts Library — is complete with 3-D printers, a professional grade recording studio, computer stations for creating video games and industrial sewing machines.

Bruce Pennycook, director of the Center for Arts and Entertainment Technology,

FOUNDRY page 8



Gabriel Lopez | Daily Texan Staff

Adrain "AJ" Johnson, head of Public Services, tries playing a virtual reality game at the Foundry on Wednesday evening. The Foundry, located on the third floor of the Fine Arts Library, was recently redesigned and opened Wednesday.

## STATE

# Texas starts college graduation initiative

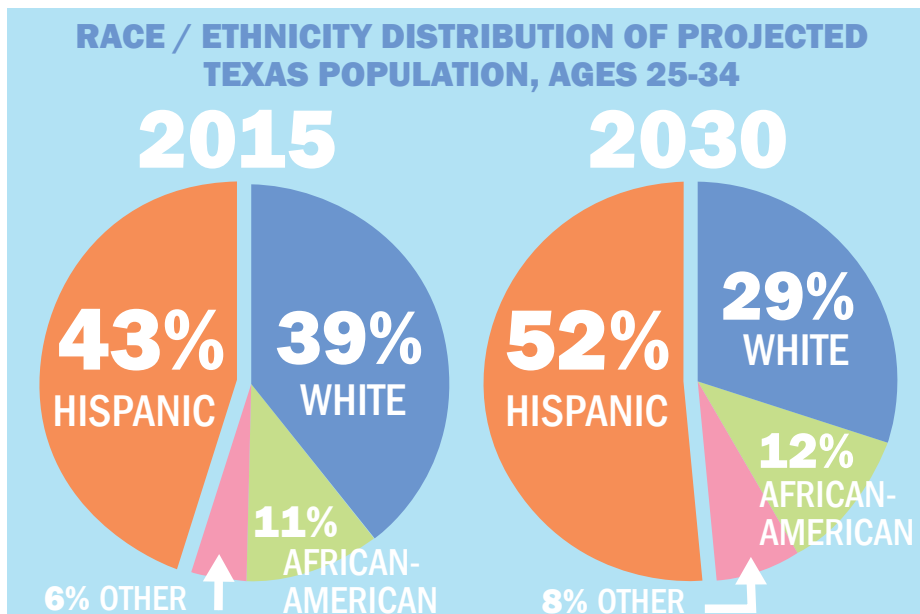
By Van Nguyen  
@nguyen\_van

The 60x30TX plan — introduced last year by the Texas Higher Education Coordinating Board — aims to ensure 60 percent of those between the ages of 25 to 34 have a college certificate or degree by 2030.

The initiative plans to have 550,000 students in 2030 complete a certificate or degree program and for those who graduate from these programs to have marketable skills in the workforce. Student debt will be tackled as well with the plan aiming to hold debt at 60 percent of first-year wages.

Gov. Greg Abbott (R-TX) presented the program last November and said for Texas to keep growing, a skilled and educated workforce will be needed.

"The Texas Higher Education Coordinating Board's 60x30 Texas plan



Source: Texas Higher Education Coordinating Board  
Infographic by Alex Dolan | Daily Texan Staff

takes Texas to the next level," Abbott said in a statement. "Texas will be a national leader in higher education degrees. Texas will become the home for innovation and intellectual capital. This is a high expectation. People often live up to expectations whether

high or low." 60x30TX realizes the Texas workforce will be more diverse in the future and aims to include those from all backgrounds. The plan states failure to do so will result in lower incomes and a lower percentage of educated

Texans in 2030 than in 2015.

The Hispanic population in Texas is currently 43 percent and is projected to grow to 52 percent by 2030, according to the 60x30TX plan. 60x30TX

GRAD page 2

## CITY

# Authorities debate fate of historical golf course

By Van Nguyen  
@nguyen\_van

The Lions Municipal Golf Course, a piece of land owned by the UT System, was added to the National Register of Historic Places over the summer, but that may not stop developments once the city's lease ends in 2019.

George Washington Brackenridge donated 500 acres of land, also known as the Brackenridge Tract, to UT in 1917 with the purpose of advancing and promoting education, but the land was never built on because of the distance between the tract and campus. The tract is located on Lake Austin Boulevard and an approximate 170 acres of the tract is used for University purposes. The remaining land is used for the Lions Municipal Golf Course and several other retail stores.

The UT System received recommendations in July to

develop the Brackenridge Tract into offices, shops, parks and hotels from a firm hired by the Board of Regents.

Some organizations are opposed to these recommendations, such as Save Munny, an organization dedicated to saving the golf course from development, which wants to preserve the course because it was one of the first golf courses in the U.S. to be desegregated in the 1950s.

In July the course was added to the National Register of Historic Places due to its role in the Civil Rights movement, but this listing will not prevent the redevelopment of the land by UT.

Jenny LaCoste-Caputo, executive director of media relations and external communications at the UT System, said the University still intends to use the land for its original purpose.

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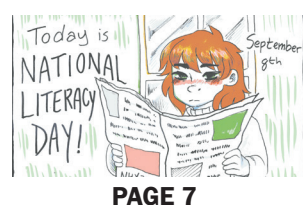
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## ONLINE

Cook 'Em website teaches students kitchen skills and nutrition facts at  
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# THE DAILY TEXAN

Volume 117, Issue 21

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## TOMORROW'S WEATHER

**High** 93 **Low** 74  
happy bday

# FRAMES FEATURED PHOTO thedailytexan



Gabriel Lopez | Daily Texan Staff

Finance senior Carlos Rueda plays basketball on the roof of 26 West after attending the undergraduate career expo.

## GRAD

continues from page 1

will target this group heavily to create equal opportunities for all.

The plan states that in order for Texas to succeed, it must respond to the changing Texas population by promoting college attainment to students and parents before high school, making higher education more accessible

and providing high-quality education programs for under-served adults.

The plan also states helping those from disadvantaged backgrounds must become a priority. The plan suggests collaborating with K-12 to improve college-readiness, increasing economically disadvantaged student enrollment in college-level courses in high school and sharing practices that guide students to

higher education.

At the Board of Regents meeting in May, UT President Gregory Fenves said one of the issues with higher education is that the undergraduate curriculum is exactly how it was a half century ago. UT is focusing on innovating undergraduate education by integrating research into curriculum, and this supports the 60x30TX plan, Fenves said at the meeting.

"This will help our students graduate in four years and aligns with the Texas Higher Education Coordinating Board's 60X30TX strategic plan, under which students will complete college as well-rounded, educated citizens prepared for successful careers," Fenves said.

At the same meeting, UT System Chancellor William H. McRaven said the UT System would back the plan

because it is their responsibility to help in this effort.

"As the largest producer of college graduates in the state of Texas, the University of Texas System accepts a great responsibility in this critical effort," McRaven said. "Texas can reach this important goal with the 60x30TX plan in place and the commitment of so many dedicated partners. The UT System eagerly accepts its vital role in this initiative."

## POLICE

continues from page 1

overall safety concerns, tend to dominate the conversation during the program. Many participants aren't actually students but are staff and even non-UT community members, Stephenson said.

CVS store manager Jessica Blair, who works at the location near the University Co-op, said taking part in a program that provides safety guidelines could be beneficial.

"If we know how we can help, that'll help across the board instead of us always being scared or not knowing how to handle certain situations on both ends — [for the] homeless and for the students," Blair said.

Transient individuals who enter the store asking for money from students can introduce an unwelcome set of circumstances that Blair said she and her staff wish to avoid.

This concern comes in the midst of a rigorous

Department of Public Safety audit. The audit only included on-campus areas but did address the homeless population as a key aspect of its evaluation.

"I see parents and new students getting harassed by people begging for things," Blair said. "That's a concern to me because sometimes those people aren't so nice, and it creates a hostile environment."

The program was founded in 2006 by Capt. Don Verett to address such concerns after

studying the community-centered focus of CPA programs.

"I was in the Higher Education Administration Master's program at the time and wrote a paper on CPAs," Verett said in a 2013 interview with The Daily Texan. "I thought UTPD and the University would benefit from having our own CPA."

Establishing a healthy environment is a goal the CPA seeks to accomplish by developing a relationship with individuals such as Blair, who

may not be students, but who operate businesses that cater to the UT community.

Stephenson said APD also conducts a CPA program, but UT's program is more personal.

"We're both going to tell you the same thing about the Texas Penal Code, but here it's more like getting to know your neighbor," Stephenson said. "The better I know my community, the better they know me, the better I can do my job to serve and protect."

# THE DAILY TEXAN

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## CAMPUS

# Startup experts advise student entrepreneurs

By Zach Caldwell  
@ZachCaldwell\_

Jon Brumley Texas Venture Labs, an initiative by McCombs School of Business that teams with startup businesses to help MBA students gain first-hand experience, hosted an entrepreneurial talk Wednesday night to advise UT MBA students on careers in startup companies.

The event, entitled "Navigating Entrepreneurship @ Texas," featured a keynote speaker with startup experience along with two separate panels — the first focusing on launching a startup and the second on how to join one. TVL also includes the TVL Practicum, which pairs students with local businesses and gives them the opportunity to pitch to real-world investors, as well as a student investment competition awarding \$10,000 to student entrepreneurs.

Hall Martin, a UT MBA alumnus and former director of corporate development for National Instruments, an Austin-based technology company, delivered the keynote address. Martin is also an adjunct faculty member at the MBA school for McCombs and founder and CEO of Texas Entrepreneur Network. He emphasized the need for student entrepreneurs to cast a wide net for funding through funding sources like Kickstarter.

"It's very, very rare to go to one place and get all of your money," said Martin.



Justin Kong | Daily Texan Staff

Hall Martin, founder and CEO of Texas Entrepreneur Network, speaks to students of the McCombs School of Business about strategic funding for their business ventures on Wednesday evening.

He pointed out the differences between 'rewards' crowdfunding campaigns, such as Kickstarter and accredited campaigns, also known as 'angel networks,' which are funded by individuals with a net worth over \$1 million.

Martin also said that grants are an under-utilized source of funding in Texas.

"Texas is about 10 percent of the [US population], but it only represents about 2.5 percent of grant funding," Martin said.

Will Mitchell, founder and CEO of Renovate Simply, a business that advises homeowners on renovations, spoke in the first panel and gave students advice on their education and business. He said that

MBA students must decide individually whether grades or building their business would be their top priority.

"It comes down to priorities, right," Mitchell said. "I focused on what would be valuable."

During the second panel, a student asked how to market oneself without a science or technology-related degree. Eric Burselson, an Austin product manager for Invodo, an online video firm, said students should market their skills specifically for the job they're looking for.

"Until you can demonstrate that you can handle the problems that company is facing," Burselson said. "They don't really care that you have an MBA."

Burselson also encouraged students to apply for various internships and aggressively pursue careers, rather than talking themselves out of opportunities.

"Make people tell you no," Burselson said.

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## CAMPUS

## U.S. ambassador to Burma discusses foreign policy

By Sydney Criswell  
@thedailytexan

Approximately 80 professors, students and alumni gathered at the Sid Richardson Hall on Wednesday to hear Derek Mitchell, the U.S. ambassador to Burma, speak on China's political history and the relationship it has with the United States.

Mitchell, who was confirmed to his current position by the U.S. Senate in 2012, has an extensive background in Asian foreign policy and holds a master of arts in law and diplomacy.

The talk is part of a speaker series titled, "Understanding China," which is co-sponsored by the Robert Strauss Center and UT's Center for East Asian Studies.

Huaiyin Li, history and Asian studies professor and director of the Center for East Asian Studies, said students who are interested in international relations should take a more active role in understanding China.

"Public relations as a major is supposed to train students in international relations, and the U.S.-China relationship is probably the most important," Li said.

During the speech Mitchell presented his opinion on both China's politics and how America and China interplay as major political powers.



David Mitchell, U.S. ambassador to Burma, speaks about China's political history at Sid Richardson Hall on Wednesday afternoon.

Angel Uloa  
Daily Texan Staff

"China wants to keep their self-image as leaders, as the enlightened civilization," Mitchell said.

Mitchell discussed China's Peaceful Rise policy, which involves China gaining political and economic power without being a threat to peace and security. However, Mitchell said he believes the new generation

of Chinese citizens, who have not faced military adversity as the previous generation had, may resort to forceful tactics.

"The question is, do you trust a different generation that doesn't remember hardship?" Mitchell said.

Mitchell said he believes America's biggest problem with China is structural.

"China is not accommodating the security structure built by the U.S.," said Mitchell. "The U.S. is expected to maintain alliances, but China sees all this as coming at its expense."

Mitchell also said China feels trapped by Singapore, Japan, Australia and other islands in the region, which America has a good

relationship with. However, Mitchell said the U.S. and China cooperate with each other in a stable manner when it comes to education.

"We send our students there [to study], China sends their students here [to study]," Mitchell said.

Law student Kejia Dong, who is from China and was

present at the event, said she decided to come listen and see an American's perspective of her country and how the relationship between China and the U.S. is viewed.

"My mindset has always been that America tries to contain China," Dong said. "Even after listening to his speech, I still think about that."

## GOLF

continues from page 1

"President Fenves and leadership at UT Austin are reviewing the recent decision by the National Park Service to add Lions Municipal Golf Course to the National Register of Historic Places as they consider the future of the entire tract of land," LaCoste-Caputo said in an email. "The UT System's primary concern is that the intent of the donor,

Col. George Brackenridge, is met."

Ken Tiemann, one of the leaders of Save Muny, said UT should follow Col. Brackenridge's progressive agenda and preserve the land to overcome the frequent errors of UT's past.

"If the University is concerned about fulfilling the intent of the donor it should immediately embrace Save Muny's plans to preserve the historic course, the first in the South to desegregate by

a margin of several years," Tiemann said in an email. "This is completely consistent with the intent of the donor, Col. George Washington Brackenridge, whose progressive views on race should play a significant role in defining the use of the land he generously granted to UT."

In a letter to the National Park Services in May, Congressman Lloyd Doggett (D-TX) wrote in support of adding the course to

the National Register of Historic Places.

"Its role as a local civil rights landmark makes it an ideal candidate for preservation and recognition," Doggett wrote. "I understand that Save Muny will work to create an appropriate educational center that will properly memorialize Muny's history within the broad context of civil rights and both the history of Austin as well as the United States."

## DELL

continues from page 1

funded by the Seton Healthcare Family, a Catholic-owned organization. Most of the residents work at facilities owned by Seton, such as University Medical Center Brackenridge.

The funding from THECB relies on biennial legislative approval, but if funding from THECB is eliminated, both Seton and UT agreed to share the costs of the new programs.

According to Seton

spokeswoman Adrienne Lallow, the organization currently spends \$44 million per year on academic medical programs, which includes graduate medical residency positions.

"About 80 percent of medical residents who complete medical school and their residency in one state end up staying in that state," said Clay Johnston, inaugural dean of the Dell Medical School, in a press release. "We're having a positive impact on both sides of that equation."



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COLUMN

## Anthropocene declaration warrants climate action

By **Laura Hallas**

Daily Texan Senior Columnist  
@LauraHallas

Last week, scientists reached another landmark climate change consensus with the recommended declaration of the Anthropocene epoch — a period of man changing Earth. No doubt this pronouncement will have major implications, and on the eve of the upcoming Texas legislative session, one of these impacts should be the creation of the proposed Global Climate Change Commission.

This isn't the time or place to draw out the effects of climate change — experts have studied and warned about the phenomenon for years. With UT's climate experts less than two miles away and the relevance of climate change on Texas policy, the legislature should recognize their proximity to climate change and the discussion it warrants.

Until recently, humans weren't believed to have the ability to alter the Earth in a substantial way. The current geological epoch, Holocene, hasn't changed for more than 11,000 years. The Holocene epoch started with the emergence from the Ice Age and was characterized by the development of civilization and stable climate warming — keyword, stable.

The expert panel has recommended Anthropocene's beginning as 1950, around the time

when nuclear testing began. These radioactive materials, as well as other man-made materials like plastics, have been detected in rock across the world, such as plastic water bottle fossils. And then, of course, there are usual climate change culprits: the exponential buildup of carbon dioxide, warming oceans, increased soil erosion and altered weather patterns.

Explicitly labeling the time since 1950 as a period of human change could serve as a powerful rallying point and remove much of the ambiguity surrounding human responsibility. Scientifically recognizing a period of human effects on the Earth also implies that we, those same humans, can do something about it.

Many states around the U.S. have already enacted committees in their legislatures, as has the federal government. In a presidential race where climate change may emerge as a defining issue, a group of policymakers dedicated to the issue is just a matter of keeping up with the times.

Timothy Beach, geography and the environment professor, emphasizes that individual states and cities can do a lot to minimize climate change, and that there are many different groups and fields who will continue to contribute to addressing climate change issues.

"I think the real implication for us, for humans living on the earth, is that there may be a period where we have changed the earth so much, that

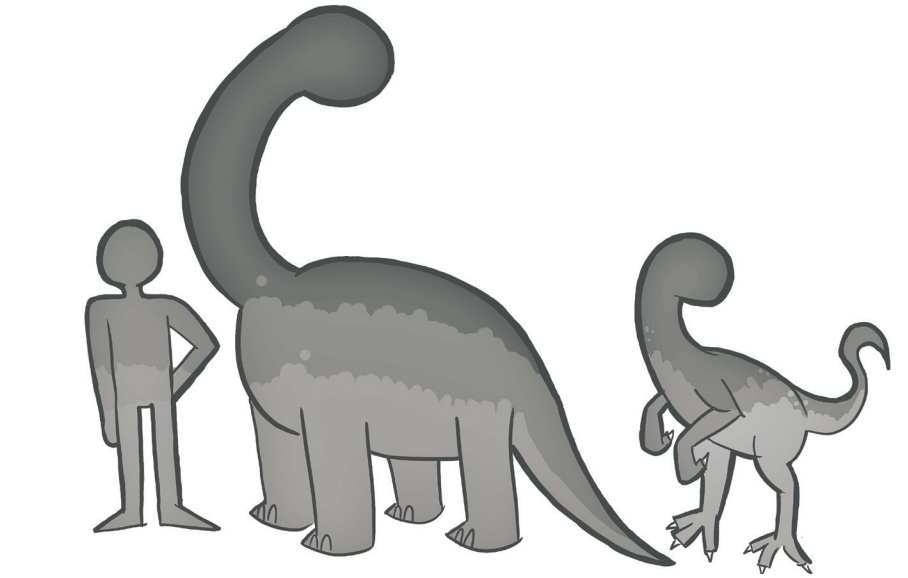


Illustration by **Tiffany Hinojosa** | Daily Texan Staff

it compromises our existence," Beach said. "Aspects of that are debatable, but the truth is that parts aren't debatable, like climate change, sea level rise, loss of species, real strong potential for loss of plant productivity and thus agricultural productivity, the loss of land that we could use to grow crops."

A state as large and diverse as Texas will almost certainly experience intense and widespread

effects from Anthropocene activities. Historic flooding in 2016 and extreme droughts in 2014 have already been linked to climate change.

As the hottest year on record comes to an end, and the new legislative session begins, Texas policymakers should develop the framework for effective climate policy.

*Hallas is a Plan II and health and society sophomore from Allen.*

COLUMN

## Transfer students deserve better accommodations

By **Jacob Schmidt**

Daily Texan Columnist  
@heyjakers

Most new Longhorns are breathing a small sigh of relief now that the semester is under way. For the more than 8,500 freshmen, the first class week's mix of stress and excitement has passed and life on the 40 Acres is gaining a sense of normalcy. But for another group of new students, the story is different.

For the 2,500-odd students who attended transfer orientation this year, the opportunities to learn and connect were fewer: three sessions offered versus six for freshmen, half as many hours of scheduled social events and no college cohorts or 360 Connections meetings. And the discrepancies at orientation are just the beginning.

A transfer student's struggles extend beyond the social sphere, too. A recent U.S. Department of Education study demonstrated that transfer students lose 13 credit hours on average, with 40 percent of these students getting no credit at all.

No one should have to start their Longhorn career a semester behind, especially after previous

success in college. Unlike freshmen, UT's transfer students are proven college rock stars; they've already taken at least 30 hours of college courses with an average 3.5 GPA. So why are transfer students treated like second-class citizens?

Sure, UT provides Transfer-Year Interest Groups, the transfer student equivalent of the more well-known Freshman Interest Groups. But I (and probably many transfer students) had no clue TRIGs existed until I wrote this article.

Student organizations and Greek institutions also inadvertently neglect transfers because recruitment focuses on freshmen. Even my honors program is guilty — we struggle to incorporate transfer students into the extensive social and mentoring opportunities we cultivate for freshmen.

Adjusting to college is difficult enough, and shouldn't be any worse when transitioning from another. UT's transfer students are the elite of the new Longhorns, with a demonstrated capacity for success and a passion for the 40 Acres. Let's start treating them as such.

*Schmidt is an aerospace engineering and physics junior from Austin.*

### Transfer students give more than they get

**23%**  
of newly enrolled students  
are transfer students

Nationally, students lose  
**13 hours**  
of credit on average — the  
equivalent of one semester

**A**  
Transfer  
students  
average a  
**3.5 GPA**

Source: The University of Texas and the Hechinger Report

Infographic by **Sammy Jarrar and Kelly Smith** | Daily Texan Staff

COLUMN

## Women in computer science face social barriers to success

By **Vanya Sharma**

Daily Texan Guest Columnist  
@vanya\_sharma

There is an invisible friction between the women and men in computer science classes. Women, in classes with ratios of men to women as high as 25-to-1, have begrudgingly accepted their minority status as an expected but unjust reality. The solution to this problem is not an instantaneous one but rather a gradual one that will start at the elementary-school level and slowly trickle up to the university level.

Certainly, the Department of Computer Science has endeavored to increase the representation of women in its program and has raised that percentage over the last decade by seven percentage points to 19, which surpasses the current national average of 12 percent.

"We've supported and hosted numerous events that encourage female participation in computer science such as First Bytes, a 14-year-old computer science program for rising junior girls," said Bruce Porter, computer science professor and department chair. "In fact, 25 percent of the women from UT freshman class of 2015 had previously attended First Bytes."

Other initiatives include the Grace Hopper Conference, to which UT sends 20 women in CS on an all-expenses-paid trip. Female computer science faculty also invite some undergraduate CS females to their homes and offer close mentorship. Organizations such as Women in Computer Science offer freshman mentorship programs, resume workshops, luncheons with professors, tutoring and many more events.

"Because there are so few women in CS, it's nice to know that there are other people who understand how you feel and where you're coming from," said Tika Lestari, a computer science

sophomore and active member of WICS.

However, it is one thing to view the numbers and totally another to experience the academic journey of a computer science woman.

"Being a woman in CS is hard when you love computer science," computer science senior Megan Chen said. "Despite their love for CS, I think women are much more prone to dropping the major than a male."

Seen in the 2014 UT computer science academics data, women are 25 percent more likely to transfer out of the major than men. Despite all the best efforts, a glass ceiling hovers for these undergraduate women.

As women advance further in their education from undergraduate to graduate to post-graduate, they funnel away until only a very small number hold doctorates in computer science. For example, since the UT computer science department requires a post-doctorate degree from all of its faculty, there are only eight female faculty out of 51 members. The department tries to recruit computer science females with doctorates to join the faculty and decrease the inequality.

The good news is regardless of the number of women in a class, professors consistently state that women perform just as well or better than their male counterparts. However, academic performance does not pose the problem; these women struggle more in getting into the male-dominated niche of computer science.

The number of women in computer science is not an issue that can be fixed by one article, one person or in one moment. The change is gradual rather than radical, and while this generation may not witness gender equality in computer science, the next hopefully will. More and more young girls want to code and build technologies.

*Sharma is a business honors, finance and Plan II sophomore from Highland Park.*

COLUMN

## Students should avoid relying on expectations about college

By **Nrhari Duran**

Daily Texan Guest Columnist  
@BboyDeadfish

When you first move onto the 40 Acres, you have a lot to learn. From figuring out how to operate a dorm shower (without getting scalded) to finding your classes on day one, it helps to know a little in advance. For students going into or thinking about college, the decision of what to major in is governed by having that kind of preparation, but to what effect?

Having prior knowledge can mean the difference between getting lost in the sauce on Sixth Street and ending the night in a warm bed before midnight, but in the classroom the situation is a little bit different.

Communication professor Gary Wilcox, who has taught introductory courses for 15 years, says high school course material may complicate learning college content. Wilcox detailed how having information can help across various fields of study, but core content from high school classes such as history or government can make learning in college difficult, primarily because of curriculum differences. Freshmen are most likely to walk into a classroom at UT with this prior knowledge, be it to their advantage or disadvantage.

Beyond misconceptions from high school, Wilcox pointed out another potential pitfall of having these preconceived notions; freshmen and sophomores often envision inaccurate ideas of career work. Using the example of a hypothetical medical student, the professor outlined how a student may follow a path up to college before realizing that the practice is not something the hypothetical student would be fulfilled dedicating a lifetime towards. When asked when these students most often

had this realization and switched majors, Wilcox answered "the first two years."

While it's easy to call this testimony an isolated incident, American education statistics support the concept of misconceptions causing career indecisiveness. The National Center for Education Statistics (NCES) reports that roughly 80 percent of college students change their major at least once before graduation, largely occurring in the first two years. In fact, the research goes beyond indecision. The NCES furthers that in roughly 60 percent of cases in the U.S., students take within six years to attain their bachelor's degree, with 80 percent of Longhorns in the case of UT, according to the UT Admissions Office. And often times these students suffer from extra credit hours earned, you guessed it, between or in previous majors.

So what can college-bound sophomaniacs do to best make use of their first 12 years of education while avoiding the all-too-common "freshman-two-years"? Wilcox suggests keeping an open mind and expecting lots of switches. According to Michelle Ledesma, a fourth-year bilingual education major, students ought to "make sure to make connections with the content you are learning. Making connections with your life and your community around you helps you learn the content," because that's the ultimate goal of the classroom environment.

Switching majors should be expected, as four-fifths of the nation will attest to, but so long as you keep an open mind and apply what you learn, students can switch closer and closer to their suitable major — in a timely manner, of course.

*Duran is an international relations and global studies sophomore from Spring.*

ASTRONOMY

## UT astronomers discover potential Earth twin

By Laura Zhang  
@the\_laurax3

Scientists may have just found Earth's long-lost twin.

After years of data collection, astronomers recently discovered Proxima b, the closest planet to the Milky Way located in the habitable zone, a temperature where liquid water could exist.

According to Michael Endl, co-discoverer of Proxima b and research scientist in the UT Department of Astronomy, Proxima b's proximity to Earth facilitated its discovery.

"The excitement comes now, for the general public and for us astronomers, with all these questions about how this planet really looks and what the conditions are and whether it has life or not," Endl said. "These are now questions that can possibly be answered in the next 10 to 20 years."

So far, scientists only know Proxima b's minimal mass, as

well as its orbital velocity. The minimal mass is a highly accurate estimation of a planet's mass that includes a margin of error based on unpredictable factors such as angles of measurement.

Though merely speculative right now, Proxima b is most likely to have a rocky, Earth-like terrain, although not much else is known about its atmosphere, said Endl.

The researchers, who collaborated as part of the international Pale Red Dot Campaign, detected the planet indirectly by looking at the wobble, or oscillation, of the mother star, Proxima Centauri.

All bodies in the solar system revolve around its center of mass, which is most often found directly in the center of the star. However, a planet can shift the center of mass out from the exact center of the star to the surface, causing a wobble.

"The more massive the

planet, the more the center of gravity will move from the center of the star and the easier it is to measure," Andrew Mann, Hubble Fellow in the Department of Astronomy, said.

However, the discovery of a planet does not necessarily indicate the presence of life forms, Mann added.

David Hoffman, associate professor in the Department of Molecular Biosciences, said several problems stand in the way of habitability.

Proxima b orbits Proxima Centauri, the nearest star to the Sun. Proxima Centauri is classified as a red dwarf, which means it is lower in energy than the Sun, a yellow dwarf.

According to Hoffman, Proxima b is closer to Proxima Centauri than Earth is to the Sun. This means that the surface of Proxima b is more prone to spontaneous solar flares, or brief eruptions of high-energy radiation from the sun's surface.

"It's a property of red dwarfs, like Proxima Centauri, that they don't have constant energy output," Hoffman said. "Unlike our sun, which is almost uniform in its energy output, things can get fried."

Another issue is that Proxima b may be tidally locked, meaning the same side of Proxima b faces the star at all times.

"Instead of having a uniform temperature, the planet probably has a really hot side and a really cold side," Hoffman said.

According to Endl, further research of this planet will focus on understanding orbit paths of the planet in front of the host star and developing the next generation of instruments.

One such instrument, the Giant Magellan Telescope, is a cutting-edge \$1 billion telescope located in the Chilean desert that will help with further research on the planet once it is finished in the mid-2020s. UT serves as one of its

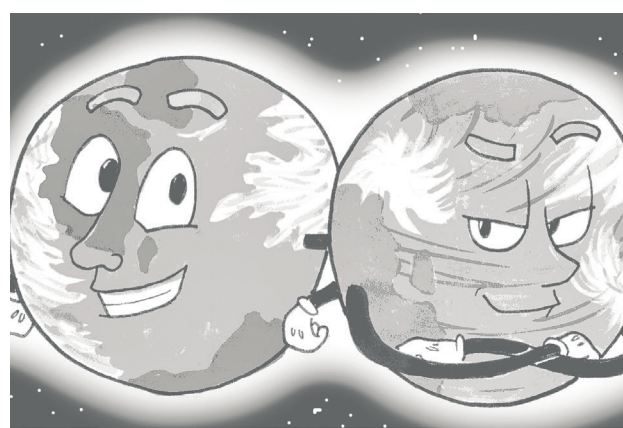


Illustration by Melanie Westfall | Daily Texan Staff

international partners.

After establishing Proxima b's characteristics, researchers might be able to identify its potential life forms, said Endl.

"If biology could answer the question of how to make life, then once that starts, life will find a way to survive. I think that's a quote from Jurassic Park," Endl said.

Certain forms of life may exist on Proxima b, such as

microbes that can survive extreme conditions, many of which have been found to exist on Earth, said Hoffman.

"The extraterrestrial life I'm most interested in is microbes because that's what I think we're most likely to find in my lifetime. So that's what I'm rooting for," Hoffman said. "If you want to understand the chances of life on Proxima b, you have to look at ourselves."

ENERGY

## UT, A&M collaborate to research solar technology

By Freya Preimesberger  
@freyapreim

Aggies and Longhorns are putting aside their differences and teaming up to harness the power of the sun.

UT is collaborating with A&M's main campus, their Engineering Experiment Station and Central Texas Campus to complete solar research. The recently-formed team will work on the technology behind photovoltaics, hoping to educate the public about solar energy and make this resource cheaper and more efficient.

Photovoltaics convert sunlight into electricity by creating a current between two chemical substances, often through the use of solar panels. Solar energy provides a clean and virtually limitless source of energy, although obstacles stand in the way of widespread implementation.

UT is a member of the National Science Foundation's Center for Next Generation Photovoltaics, which is the only NSF-funded collaboration between industry and higher education focused on solar research. Texas A&M institutes recently received a \$400,000 grant from the NSF

which will help form the third site of this center.

"With the NSF funding to support the solar research, the NSF Next Generation Photovoltaics Solar Research Center will become an international portal for solar research, and turn solar energy from an evolutionary energy source to a revolutionary energy source," said Russell Porter, Texas A&M's vice president of Research and Economic Development and co-director of the Texas A&M site.

Brian Korgel, UT chemical engineering professor and director of the center, said Texas A&M will bring in important

research facilities and industry partners to help advance UT's current efforts.

"The capabilities they have at Texas A&M are very complementary to what we have at UT," Korgel said. "The center really benefits from having different kinds of faculty at both institutions working together."

Industry partners, including Boeing and the U.S. Air Force, work with researchers on application-based problems and make advances possible. Industry/university cooperatives will produce cost-effective and more efficient ways of harnessing solar energy, as well as educate people about its

utility, Robert Balog, co-director of the A&M site, said in a press release.

Korgel said the center also faces non-technical challenges, such as misinformation on solar power's feasibility.

"One issue is educating the public about solar cells and the cost of photovoltaic electricity," Korgel said. "The general perception is that photovoltaic electricity is expensive, but it turns out that the new solar farms are generating the lowest-cost energy that there is. Utility-scale solar is really, really cheap."

The Center for Next

Generation Photovoltaics also tackles some of the issues surrounding storing solar power. Sunlight is intermittent, so it's important for scientists to develop ways to manage energy storage.

Until recently, the importance of oil to Texas' economy has discouraged solar power development in Texas, Korgel said, but the state has a bright future in the area.

"Out of all of the states in the United States, Texas has one of the best solar resources," Korgel said. "One of the things I'm most excited about is getting Texas into the research arena in a leadership role."

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## FOOTBALL

## Foreman and Swoopes bond over struggles

By Tyler Horka  
@TexasTy95

Senior quarterback Tyrone Swoopes wouldn't have soared into the end zone without lead blockers Sunday night. Among them was junior running back D'Onta Foreman.

He locked up an Irish defensive back, taking him out of the play while clearing up an even bigger hole for Swoopes to shoot through and end the game.

Despite Foreman's key blocking and big stat line — running the ball 24 times for 131 yards and a touchdown — he said he wasn't always a focal point of Texas' offense.

"A lot of people doubted me and said that I wouldn't be anything," Foreman said.

His twin brother, junior wide receiver Armanti Foreman, received a scholarship from Texas before he did. D'Onta Foreman lurked as an afterthought heading into his freshman year. He carried the ball 15 times that season, roaming the sideline for most of the campaign as running backs Malcolm Brown and Johnathan Gray shouldered the load.

Like Foreman, Swoopes has seen his fair share of detractors. He experienced a rough 2014 campaign, tossing 11 interceptions while completing merely 58.3 percent of his passes. He started the team's first game in 2015 before losing



Junior running back D'Onta Foreman runs past the Notre Dame defense. Foreman shined in Texas' 50-47 win over the Fighting Irish, totalling 131 yards and one touchdown on 24 carries. Foreman and the Longhorns will face UTEP on Saturday.

Gabriel Lopez  
Daily Texan Staff

the starting job after taking a 38-3 beating from Notre Dame — he now plays primarily in situational packages.

"It's always disappointing when you don't get what you've been working for," Swoopes said. "It's just made me lean on my teammates and coaches more than ever."

Foreman supported Swoopes through the rough spots. The running back was among the first to praise the quarterback after his game-winning touchdown — and he did it in a big way.

He stood up in the locker room and orchestrated a

standing ovation for Swoopes. Foreman praised the senior for staying optimistic and inspired despite a decrease in playing time.

"I just told them that Tyrone is a great example of a leader on this team and how he just pushes through," Foreman said. "I told them that everything doesn't go his way and he still always has a positive attitude, always has a smile on his face, always just trying to go out there and do the best for his team."

Foreman said he's inspired by Swoopes' resilience, especially after facing more

adversity late last season.

After taking over for an injured Gray as the team's starting running back, he put together back-to-back performances with over 140 rushing yards against Kansas and West Virginia. But a hand injury put him on the shelf for Texas' last two games of the 2015 season.

Foreman said he admires that Swoopes never gives in to circumstances beyond his control, good or bad. Strong echoed the sentiment, saying the quarterback never complains.

"He never says anything, that's why I think Foreman made a big deal about it in

the locker room afterwards," Strong said. "He never says anything. But it just shows us who he is, and his whole make-up and his whole character and what he's all about."

Swoopes continues to motivate Foreman, who emphasized the importance of staying humble and ready to contribute at any time. As both step into a big roles this season, they continue to grow from their early adversity.

"I think [Swoopes' attitude] really sits with me ... I feel like it's something I've been through as well," Foreman said.

## FOOTBALL

## Longhorns turn focus to UTEP following victory

By Tyler Horka  
@TexasTy95

Coming off a big win over No. 18 Notre Dame on Sunday, here are some of the week's biggest story lines from Texas' media availabilities.

**Buechele's performance validates Strong's decision**

Charlie Strong delivered a victory over a top-10 opponent Sunday night — his third such win in the last two seasons. But he's already moving on.

"There's a lot of things we need to get corrected," Strong said Monday morning. "We just need to continue to build on it. We need to continue to play with confidence. One game does not make a season."

Strong expressed his confidence in quarterback Shane Buechele on Sunday. He sent Buechele onto the field for Texas' opening possession despite telling the freshman that he'd start only the day before.

Strong called Buechele's mother, Nancy, on Saturday night to let her know that her son would start the game. She cried, but those tears of anticipation turned to tears of joy

after Sunday night.

"My family was really excited and it was really cool being able to see them," Buechele said after the game. "It was just really exciting having my whole family here."

Buechele's family saw him throw for 280 yards and account for three touchdowns in his first collegiate victory. He'll look for his second win this Saturday against UTEP.

**Gilbert preaches progress**

Offensive coordinator Sterling Gilbert preached progress in the weeks leading up to the game against Notre Dame. He said Buechele has room for improvement despite breaking a Texas record for total yards by a true freshman with 313.

"Anytime, especially when you're young, you've got a lot of room for growth and a lot of room for improvement," Gilbert said Tuesday. "That's our goal right now at every position with every kid: Let's get better, be focused on us, and continue to drive yourself to be better."

Gilbert displayed his up-tempo offensive system for the first time against Notre Dame. Texas ran 86 offensive plays



Junior linebacker Naashon Hughes brings down a Notre Dame runner. Hughes tallied four tackles in Sunday's victory, and ranked second on the team in sacks in 2015 with 5.5.

Gabriel Lopez  
Daily Texan Staff

against the Irish, besting its 67.8 plays per game average in 2015 by nearly 20 snaps.

But as is customary for Gilbert at this point, he said there's still room for improvement. He added that Texas had "decent pace" at times on Sunday. The offense is plenty fast for junior running back D'Onta Foreman. He said on a scale of one to 10, he'd rate the tempo an "eight or nine."

**Bedford calls for improvement**

Despite the Longhorns giving up 47 points to Notre Dame on Sunday, defensive

coordinator Vance Bedford opened Wednesday's press conference by praising his defense.

"In the fourth quarter we had three series where [Notre Dame] had 19 yards and two three-and-outs," Bedford said. "The attitude right now is that the entire team believes in each other, they like each other and they care for each other."

Bedford still acknowledged Texas' struggles against the Fighting Irish, specifically in the second half. Bedford said the Longhorn defense "stunk" in the third quarter — giving up 14 points — and needed

to show more consistency throughout the game.

While many in Austin are still riding high over Sunday's victory — as well as the Texas' No. 11 ranking in the AP poll — Bedford chose to focus on Saturday's matchup with UTEP. Bedford said the Longhorns must put the season-opening win behind them and move forward in their preparation for the Miners.

"It's just one game, and I let [the Longhorns] know that," Bedford said. "That Notre Dame game, it means nothing right now."

## WOMEN'S BASKETBALL

## Aston highlights family atmosphere in recruiting

By Sydney Rubin  
@sydneyrubin

196 miles.

For many, 196 miles is simply the distance from Austin to Dallas. For the Longhorns, 196 miles marks the distance standing between them and the Final Four, which will be hosted in Dallas.

With a 31-win season in the books and new assets in the mix, the Longhorns are optimistic about reaching that goal.

Part of that optimism stems from the team's influx of young talent over the past two years. Head coach Karen Aston has compiled a variety of promising players on the roster, welcoming two consecutive top-six recruiting classes after making the Sweet 16 and Elite Eight, respectively.

But the team's success isn't the only factor in her recruiting prowess. Aston said the

city of Austin and the University recruit themselves.

"I think this is a really special environment for a student-athlete," Aston said. "Texas has a great reputation academically and athletically, and I think the brand that goes along with being a Longhorn is really special."

Along with the city of Austin and the University's appealing reputations, the program's culture and environment help Aston woo prospects. She said she counts on her players to make a difference both on the court and in recruiting.

"The most important thing is the players," Aston said. "That's the biggest sell for us because we've been able to attract not only good basketball players, but quality young people that really have great values and work ethic. They have pride in what they do

and they're winners."

Freshman guard Alecia Sutton said she was immediately drawn to Texas during her recruiting process because of the family-oriented system and instant support she felt from both players and coaches.

"The factor that set this program apart was how family-oriented it is," Sutton said. "I fell in love with the coaching staff and the players really fast and I just knew my heart was here."

The tight-knit bond between teammates and coaches makes for a part of the program more than just a job for young players: It makes it feel like a home.

Senior center Kelsey Lang said the program feels like her "family" because of its inclusive nature.

"The environment that Coach Aston has built up people



Joshua Guerra | Daily Texan File Photo

Head coach Karen Aston has recruited back-to-back top-10 classes for Texas. She is 190-109 in nine seasons.

just want to come here because it's so loving," Lang said.

Lang said the team has high hopes this season, coming off its Elite Eight loss to UCONN.

And she believes the chemistry the team built off the court will help the team when the lights come on.

"Sister" is the best word to describe every one of my teammates," Lang said. "You can play with a team that you don't really like and still do well on the court, but playing with a team that you just love and care about so much is going to make us play harder for one another."

## SIDELINE

## MLB


 ATHLETICS	4
 ANGELS	1
 METS	6
 REDS	3
 RAYS	7
 INDIANS	6
 WHITE SOX	7
 TIGERS	4

## TODAY IN HISTORY

## 1998

St. Louis Cardinals first baseman Mark McGwire breaks the single-season home run record, surpassing Roger Maris' mark of 61. McGwire would end the year with 70 home runs, four more than Chicago Cubs outfielder Sammy Sosa.

## TOP TWEET

 Lil' Jordan Humphrey  
@LJ\_Humphrey23  
"All I wanted was to be a rockstar And all he wanted to be was an Escobar"

## SPORTS BRIEFLY

**Falcone wins freshman of the week**

Freshman forward Kyra Falcone earned the first accolade of her collegiate soccer career Tuesday, winning the Big 12 Freshman of the Week award.

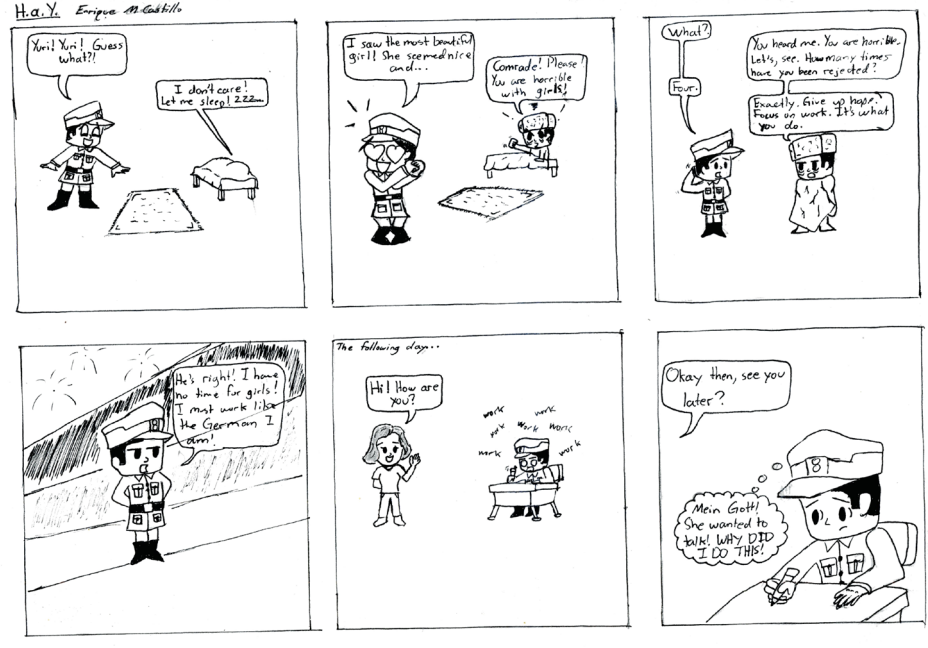
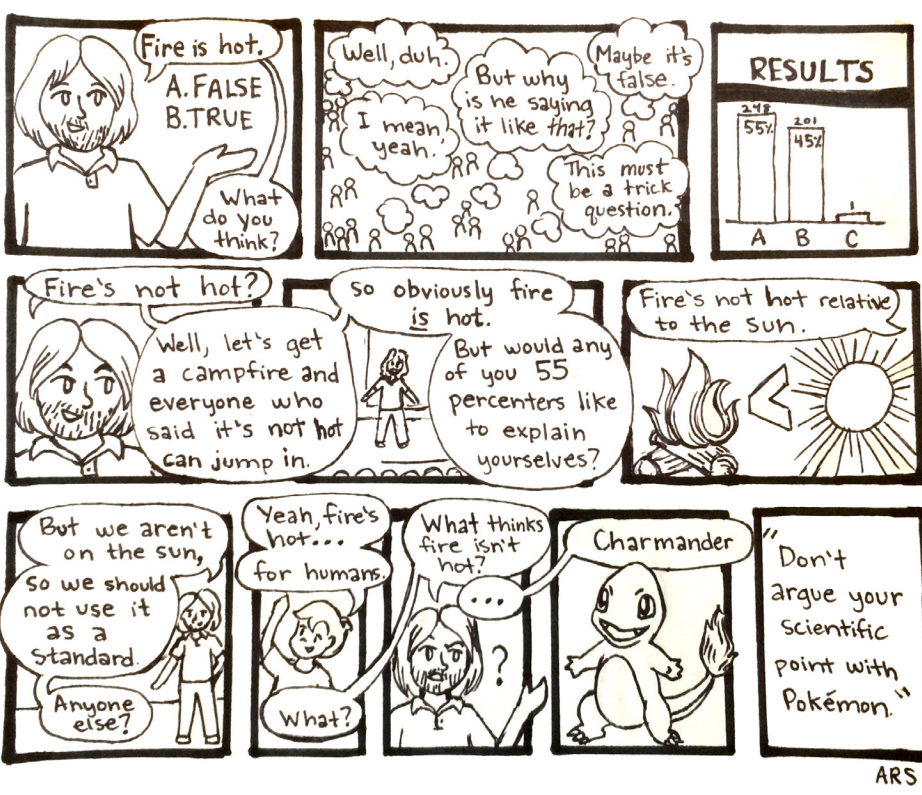
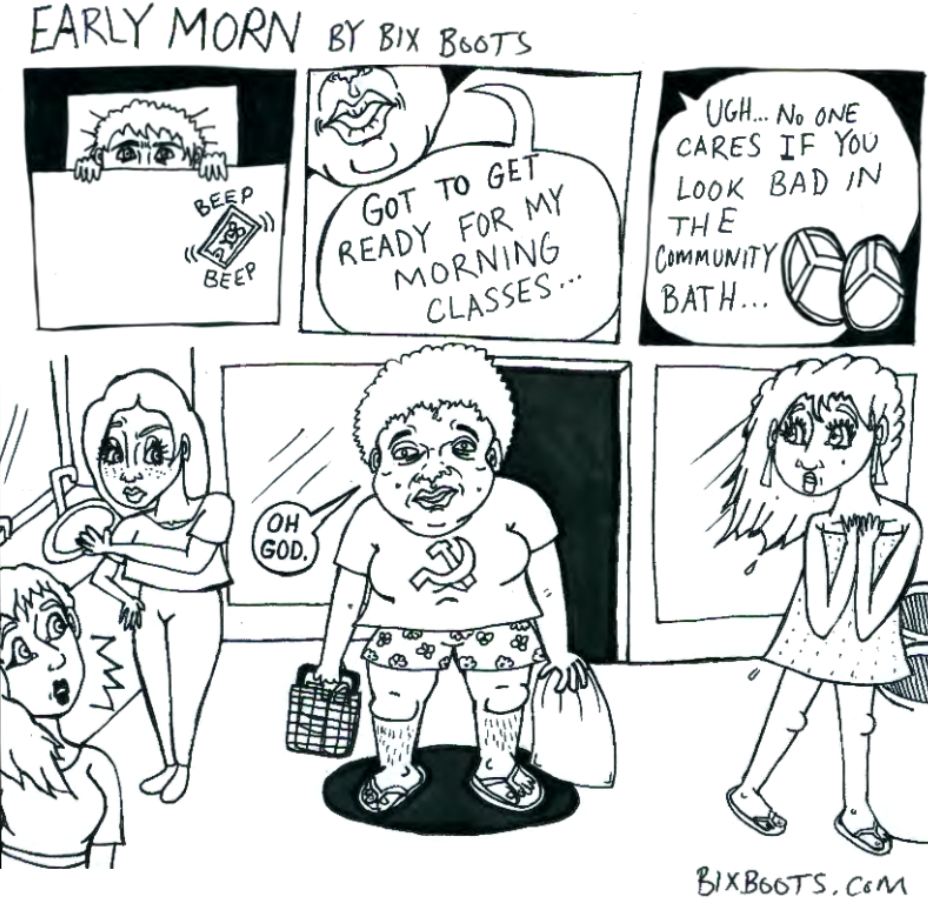
The San Antonio native scored two goals in Friday's 7-0 victory over Sam Houston State, tying her for second on the team. Both goals came in rapid succession, with each scored within a minute of each other. In addition to her goal-scoring prowess, Falcone has impressed with her passing ability. She ranked No. 3 among the Longhorns in total points with four.

Texas now sits at 4-2 on the year after six consecutive home matches to start the year. But the Longhorns will be tested in their next match as they head to Columbus, Ohio, to face No. 19 Ohio State. The Buckeyes currently sit at 5-1 on the year.

— Michael Shapiro

# Daily Texan Comics

one of us, one of us



### The New York Times Crossword

Edited by Will Shortz No. 0804

**ACROSS**

- Like the Miller beer logo
- Cred
- Big dogs in dogfights
- \_\_\_ salad
- Lever used in propulsion
- Malarkey
- Almost out
- Jai alai bet of 1-3-7, e.g.
- Cat : felid :: dog : \_\_\_
- Incapacitated Chevy?
- Almost out
- Smooth, in a way
- Incapacitated Ford?
- Sub-Saharan sucker
- Saints are part of it, for short
- Mountain ridge
- Fancy pitcher
- Lunes y martes
- Whoopi's breakout role in "The Color Purple"
- "Das ist verboten!"
- "East of Eden" director Kazan
- Holy-\_\_\_
- "Star Wars" nickname
- Landmark sometimes called "The Great One"
- Incapacitated Jeep?
- Predators of elephants, in myth
- His brother was given the name Israel
- Incapacitated Lincoln?
- Offering from an urban street cart
- Queen's mate
- Roosevelt predecessor?
- Before, when placed before
- Aromatic neckwear
- "Gotcha, I'm on it"
- Eager
- Man's name that's an anagram of 63-across
- Not take no for an answer

**DOWN**

- Hard rock band formed by Matcolm and Angus Young
- Poet Teasdale
- Historic kingdom in Spain
- Like a vortex
- Big Board competitor
- Go for it
- Indian flatbread
- Robert Crawley and his father before him, on "Downton Abbey"
- Tails, of a sort
- North Sea oil port
- Natural stimulant
- Abbrev. of Abbr.
- N.B.A. star-turned-sports analyst, familiarly
- Marshes
- Standard auto feature
- Realistic
- Wrapped up
- Sci-fi case
- Geographical feature in "America the Beautiful"
- Shroud of Turin, e.g.
- Refinement
- Toughness
- Home to Theo. Roosevelt Natl. Park
- Saknussemm, discoverer of the center of the earth in "Journey to the Center of the Earth"
- Word on a political button
- Longest-reigning British monarch, informally
- Motorist's offense, for short
- They make connections
- Result of a parking violation ... as illustrated four times in this puzzle?
- Indies tourist destination

**ANSWER TO PREVIOUS PUZZLE**

TORME WARM FLAP  
 OPTUM ICEE LOLA  
 WIBLOWINND USER  
 NEST TIGETT AXE  
 TFS AARON  
 BFF DEROLLINGEP  
 ALOERTER PEEVE  
 SOUL OBIES PLED  
 ERNIE ONCAMERA  
 DADANCINGRICK STL  
 MSDOS EAT  
 RHO SALINE HAWK  
 AUNT RASINGININ  
 TREE SNAP ANKLE  
 STYX EDYS SKATE

PUZZLE BY JONATHAN M. KAYE

31 It flows into the English Channel at Le Havre

32 Children's TV character with a fondness for baths

35 Devout Mormon, e.g.

38 Dulles terminal designer

45 Theater box

47 Earn, as big bucks

48 Puts down

50 Toughness

52 Home to Theo. Roosevelt Natl. Park

53 Saknussemm, discoverer of the center of the earth in "Journey to the Center of the Earth"

54 Word on a political button

55 Longest-reigning British monarch, informally

57 East Indies tourist destination

58 They make connections

59 Result of a parking violation ... as illustrated four times in this puzzle?

61 Motorist's offense, for short

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Today's solution will appear here next issue

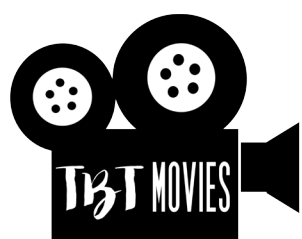
	6		5		7
	4		2		
1		4	8	6	
	1	2			7
	3			1	
6	4	2	5	7	9
				4	5
2	9				3
	7	3	6	2	8

### SUDOKUFORYOU

6	3	7	4	5	2	8	9	1
4	9	1	8	6	7	2	3	5
2	8	5	3	9	1	7	4	6
8	4	6	5	1	9	3	7	2
3	7	2	6	8	4	5	1	9
5	1	9	2	7	3	4	6	8
7	6	3	1	2	8	9	5	4
1	2	4	9	3	5	6	8	7
9	5	8	7	4	6	1	2	3

FILM

## Clint Eastwood masterpieces prove timeless



By Charles Liu  
@CharliInDaHaus

Clint Eastwood may be the quintessential movie cowboy, but he's also a superb director with a long list of excellent films. With his latest picture, "Sully," coming out this week, The Daily Texan takes a look back at three of his past masterpieces.

### Play Misty for Me

Radio jockey Dave Garver (Clint Eastwood) regularly receives a request, "play Misty for me," from his biggest fan, Evelyn (Jessica Walter). Soon he meets her face-to-face, and they enter a sexual relationship. But Evelyn is far from a good lover: She stalks Dave day and night, and when he tries to cut her off, she turns murderous.

Walter, who would go on

to play Lucille Bluth in "Arrested Development" and Malory Archer in "Archer," delivers a breakthrough turn as the film's psychotic villain. She's demented in all the right ways, and a frightening presence against an established action star. It helps that Eastwood plays the role of an average man rather than the roguish lead audiences had come to associate him with.

"Play Misty for Me" is also a tremendous directorial debut for Eastwood. With this film, we can see the beginnings of a director with a good handle on tight plotting and making the audience feel what he wants them to feel. This is a taut and scary thriller.

### The Outlaw Josey Wales

Post-Civil War tensions run high in "The Outlaw Josey Wales," which sees the pro-Confederacy Josey Wales (Clint Eastwood) pursue the Union militants that killed his family. Wales' journey brings him into contact with a diverse array of allies who aid him in his quest, which culminates in a fierce shootout on a Texas ranch.

Eastwood is as comfortable

as ever wearing a cowboy hat and wielding a revolver. He is stoic, carrying over notes from his performance as the Man with No Name, though Wales' emotional baggage subtly weighs on his shoulders.

He does a fine job directing, too, for "The Outlaw Josey Wales" is an elegantly simple revenge picture. It has all the makings of an epic Western, from its crimson deserts to its swashbuckling action. But it's also a thoughtful repudiation of inter-American hostilities, a reminder that no one really won the Civil War.

"I guess we all died a little in that damn war," Wales says during the film's poignant ending. It's hard to disagree.

### Mystic River

Easily Eastwood's darkest film, "Mystic River" is the story of three former friends — Jimmy (Sean Penn), Dave (Tim Robbins) and Sean (Kevin Bacon) — whose lives are upended by the murder of Jimmy's teenage daughter, Katie (Emmy Rossum).

Jimmy, an ex-convict, and Sean, a police detective,



Courtesy of Warner Bros. Production

The Daily Texan recommends several Clint Eastwood films to watch in the week preceding the release of his latest film, "Sully."

independently search for answers. Meanwhile, Dave, mentally unstable due to the sexual abuse he experienced as a child, looks increasingly suspicious. He returned home on the night of the murder covered in blood, and he has no good explanation for the hand injury he sustained. Jimmy decides

to take matters into his own hands, but that may prove to be his biggest mistake.

Penn, Robbins and Bacon comprise a brilliant trio in this devastating crime drama. For their respective performances, Penn nabbed the Oscar for Best Actor and Robbins won Best Supporting Actor.

Eastwood holds his cards close to his chest as he builds the movie's mystery, keeping viewers who haven't read the "Mystic River" novel guessing even as Dave's guilt becomes increasingly obvious. The film's conclusion is difficult to swallow — don't go in expecting justice to be served.

## FOUNDRY

continues from page 1

said he believes this type of hands-on approach is the future of libraries.

"This is what libraries are now," Pennycook said. "Most materials today are digital — we [have been] dealing with bits and not atoms. Now we're back to atoms. After all the digital everything, people really want to get their hands on stuff and make things. And that's really the concept of makerspaces."

The Center for Arts and Entertainment Technology, in coordination with the University Library system and the College of Fine Arts, worked to bring this project to fruition. There are similar makerspaces already on campus in the engineering and architecture schools. While The Foundry is catered to arts and entertainment technology students, this space is the first available to all students with a valid UT ID, regardless of their major.

"This was not built solely

for AET students, but for the whole community," Pennycook said. "There is another makerspace in engineering being constructed, but it will be only for engineers. This one is truly public."

Students who attended the grand opening varied from psychology to radio-television-film majors, and many of them were excited to use the available technologies.

"It seems like a really creative environment," radio-television-film senior Shelby Merritt said. "I think it's

going to be really beneficial to people who want to explore technology, people who are wanting to explore art or combine the two. Even people who just want to make a video game."

Julian Medrano, an arts and entertainment technologies junior, transferred from the computer science department because he was looking for more freedom in programming.

"This is a new [place] I can go and be creative and still incorporate the skills

I've learned in programming," Medrano said. "I personally feel like it's a place I can get some friends and collaborate."

Pennycook started thinking about makerspaces in the summer of 2012 when he visited The Duderstadt Center at the University of Michigan. Three years later, the collaboration was officially signed. The project cost about \$750,000 to complete and was funded through a variety of sources, including a grant from the Hearst

Foundations, UT Libraries and a crowdsourcing project by the College of Fine Arts.

Despite the logistical questions, David Hunter, interim head of the Fine Arts Library, said the space will be a place where students can explore their curiosity.

"We make it possible for the students to find out where their curiosity will lead them," Hunter said. "We don't know yet what people will come up with, and that's part of the joy of this."

## ALBUM REVIEW | 'TOXICITY'

### System of a Down's second LP still stands as metal milestone

Editor's note: For Album Anniversaries, The Daily Texan revisits iconic albums on the anniversary of their release date.

By Chris Duncan  
@chr\_dunc

Although it took System of a Down three years and four demo tapes to sign to a label, the nu metal outfit found a decent starting point with their 1998 self-titled debut LP. Initially, the album was overlooked by the mainstream rock audience and struggled on the charts. However, after growing slowly with fans, SOAD built up a decent following for their sophomore album release on Sept. 4, 2001.

The group had planned on a surprise release for *Toxicity* at a free show. The concert was supposed to be held in a parking lot for approximately 3,000 attendees, but after over double the lot's maximum capacity showed up for the performance, police officers canceled the show with no announcement. After waiting for an hour to see the band perform, the audience rushed the stage, destroying \$30,000 of the band's equipment during the riot.

Whereas SOAD served as a stepping stone for modern heavy metal, *Toxicity* was met with instant popularity — even though it was released a week before the events of 9/11, it still sold 2.7 million copies in a little over a year. But instead of giving in to mainstream hard rock influences, SOAD accomplished success by sticking to their signature nu metal sound, highlighted with blaring and sharp guitar riffs and rambling lyrics.



Courtesy of Frank Maddocks

System of a Down's sophomore release, *Toxicity*, was released this week in 2001.

The album's lead single, "Chop Suey!," embodies everything SOAD stands for artistically. The song forces itself into each listener's consciousness, pulling them in with a catchy melody to reveal layers of what are now alt metal signatures, including the relaxed use of an acoustic guitar and dominant snare drums.

Building off of "Chop Suey!," SOAD travels further down the rabbit hole, with lead singer Serj Tankian's lyrics becoming poignantly introspective. The album's namesake "Toxicity" features one of the most heated performances of the album, alternating through a few triple-meter time signatures which allows Tankian to change the mood of the song with ease. With abstractions like "Eating seeds as a pastime activity" and "Flashlight reveries caught in the headlights of a truck," it's difficult to understand each song's meaning, but his shouting gang vocals capitalize on key moments.

At the same time, Tankian isn't afraid to throw something at the wall and see if it sticks. "Bounce" features blatant references to orgies, and "ATWA" obsesses over

harmony through nature, building off of "Air, Trees, Water, Animals" — a term coined by Charles Manson.

The band's shtick of wacky and seemingly spontaneous syncopations comes through in every possible moment, to the joy of fans and critics alike. John Dolmayan generally sticks to precise drumming, making the moments when he breaks out all the more noticeable. "Arto" features no guitar whatsoever, instead calling on the band members' Armenian-American roots with traditional Armenian instruments and each band member's chanting. Even in the absence of overdrive, "Arto" still manages to fit within SOAD's metal experimentation.

For a genre that takes itself so seriously, *Toxicity* is a much needed breather. Fans of the group still laud the album's consistency and experimentation today, and it stands as a milestone for modern metal. It's put together well and deserves to stand as one of nu metal's signature releases.

RATING:

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