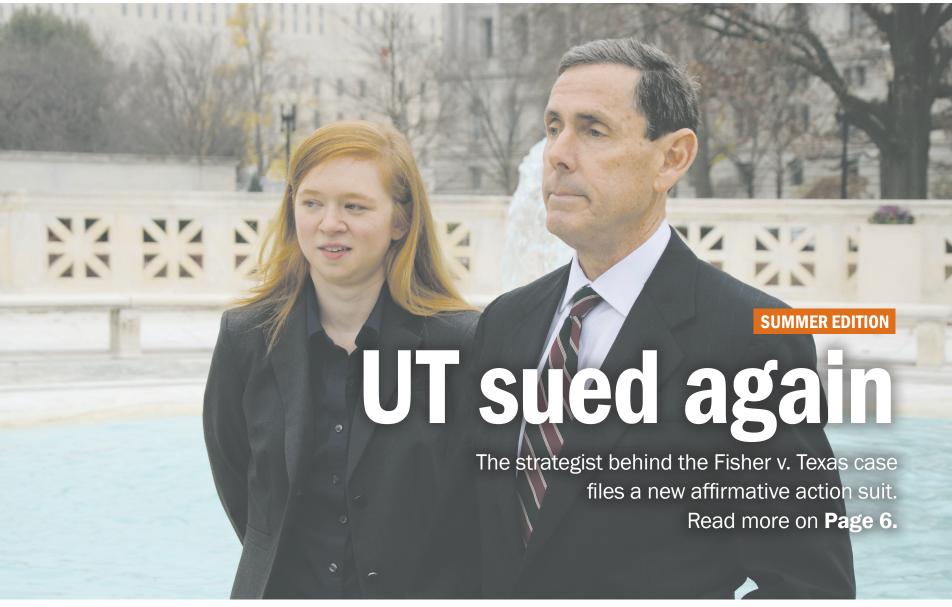
# THE DAILY TEXAN

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Volume 118, Issue 5



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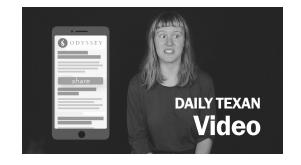
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# NEWS

CITY

# Impeachment march draws counter-protesters

**By Wesley Story** 

@wesleystory0

Impeachment marchers blew kisses to their opposition Sunday morning after a protest in support of the impeachment of President Donald Trump faced heavy resistance from a group of counter-protesters.

Over 40 impeachment marches took place across the country Sunday, demanding Congressional representatives to "do their job and start the process to impeach this president," according to the Impeachment March website.

Sharyn Richardson, one of the organizers of the Austin march, said she has been opposed to the Trump presidency since the beginning and decided to start a protest in Austin when she saw others being organized across the nation.

"This is just the very beginning of a movement," Richardson said. "We want to call attention to the many violations the president has committed against the Constitution, and we want to send a message to Congress that we're watching, and no one is above the law, not even the president."

The event featured musical performances and several speakers in favor of Trump's impeachment, including District 21 Congressional candidate Chris Perri, Rev. Chuck Freeman and District 9 Rep. Al Green, D-Houston.

Marchers joined Green in singing "God Bless America" after he thanked law enforcement for helping to keep the protest peaceful amid growing tensions between the two sides.

"We are here to do what is a part of the fiber and fabric of this country," Green said. "We love our country and we want to make it better than it is today."

Counter-protesters held large signs that said things such as "liberalism is a mental disorder" and "Trump 2020." The counter-protesters also used megaphones to make comments about the speeches given by representatives on the opposing side.

"We knew there would be opposition, but we are maintaining that this is a peaceful, nonviolent protest," Richardson said. "We're exercising our First Amendment rights of free speech, and they're allowed to exercise those rights as well. We just hope our voices are louder than theirs."

At one point, state troopers formed a barrier with their bikes to separate the two sides after a heated altercation.

Many of the Trump supporters present at the march Sunday had participated in their own pro-Trump march Saturday morning. Billy Sessions, the leader of the group of counter protesters, said his group drove from Arkansas to protest the Sunday march.

"Communism and the Constitution go together like oil and water," Sessions said. "I'm here for the Constitution. We have our First Amendment right the same as they do."

The Trump protesters walked from the Capitol to Austin City Hall and back Sunday morning as part of their march. When the marchers arrived back at the Capitol, counter-protesters stood at the steps of the Capitol to block the marchers. Some of the marchers then stood in front of the counter-protesters with their signs until the counter-protesters eventually moved.

Lexie Cooper, one of the impeachment marchers and the president of the Austin chapter of the National Organization for Women, joined the group of marchers who stood in front of the counter-protesters.

"The more people you have supporting your cause, the more legitimate it looks, the more powerful you look and the more of a statement it makes," Cooper said. "I knew there would be some white supremacists and pro-Trumpers here, and I wanted to add to the group of people standing in their way."

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Joshua Guerra | Daily Texan Sta

Kevin Kamath, left, and Kyle Chapman get into an altercation at the Texas State Capitol during an impeachment march held by Trump opposers.



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COLUMN

## A new affirmative action case, no progress made

### **By Emily Severe**

Columnist @emilysevere

Another summer, another affirmative action lawsuit.

Edward Blum, the legal strategist and conservative activist who orchestrated the Fisher v. University of Texas lawsuit, is seeking to sue the University over concerns regarding the admissions process once more. Blum argues — this time using the Texas Constitution — that UT cannot consider applicants differently because of race and ethnicity.

Blum's lawsuit, filed in support of white and Asian plaintiffs who felt disadvantaged by the policy, makes the same denunciation of affirmative action as in the previous Fisher v. University of Texas case. This isn't an issue of whether or not certain groups, including Asian applicants, have a right to feel wronged — this is a matter of repeatedly attacking a necessary protection and offering nothing constructive in its place.

The lawsuit's goal is tantamount to simply shifting the burden of inequality. We need to be constructive instead of targeting already disadvantaged populations when tackling the staggeringly tricky issue of discrimination.

-Emily Severe,

Blum, a Texas Ex, isn't a lawyer, but nonetheless has a knack for ushering cases into the federal arena. A seasoned strategist, Blum's current mission is to reconstruct the University's admissions processes so that they adhere to one interpretation of Texas' Equal Rights Amendment (1972). That is, disable the consideration of race when reviewing the 25 percent of students who are not admitted automatically to the University, a process he feels violates the amendment's equality protection.

The lawsuit's goal of eliminating a system which protects one population — black and Hispanic applicants — but sporadically hinders another in the eyes of his nonprofit, Students for Fair Admissions, is tantamount to simply shifting the burden of inequality. We need to be constructive instead of targeting already disadvantaged populations when tackling the staggeringly tricky issue of discrimination.

Disabling Texas' use of affirmative action is a mistake that will only benefit the select members of Blum's nonprofit, students who decry a perceived inequity in admissions when white and Asian students are stacked up against students of other races.

To those who feel wronged by the system, consider the inherent advantage in being white, in being male and white, or even the advantage in being poor and white instead of poor and black or Hispanic. Consider the gradation of discrimination experienced by Asians: Some Asians benefit from affirmative action, while others are less advantaged. Changing the demographics won't alter the far-reaching, and harmful, precedent Blum's case hopes to set.

Affirmative action provides Texans with greater opportunity to succeed. Top universities, including Harvard University,



Illustration by Jacky Tovar | Daily Texan Staff

Brown University and The University of Chicago, stand firmly in support of affirmative action. Fortune 500 companies support affirmative action. The growth of the UT student body agrees with affirmative action: Diversity increased once the measure was readopted in 2005.

The legal battle over equality in university admissions will not end once the new suit has been filed and resolved. This is a contentious issue with no obvious resolution. Affirmative action is a strong step in the right direction. While I might be counted among those who benefit from a ruling in Blum's favor, I know that we must continue to protect diversity in our student body with every instrument available.

We have to stand firmly against discrimination. In the face of pressure to alter admissions processes, we must use affirmative action as a tool to level the playing field for all Texans.

Emily Severe is a Business Honors junior from Round Rock, Texas.

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SPORTS Monday, July 3, 2017

### **BASEBALL**

### Pierce reflects on his first year in Austin

By Alex Briseno

@AlexxBriseno

Ever since he entered the college baseball scene as an assistant coach at Rice University in 1991, coaching at the University of Texas has always been David Pierce's dream. Now, 26 years later, that dream has become a reality after Pierce's first season with the burnt orange in 2017.

The former Tulane manager improved Texas' record by 14 wins last year compared to 2016, displaying a marked improvement from the final season of the Augie Garrido era. Now, with Texas' 2017 campaign in the rearview mirror, Pierce took some time to sit down and reflect on his first season in the Longhorn clubhouse.

**Daily Texan:** Take me through the moment you found out you got the job.

**David Pierce:** Well, I was actually in Los Angeles coaching the USA team, and I was in a hotel room by myself at five in the morning when I got a text from Mike Perrin that said "President Fenves has approved your appointment, welcome aboard." It was elation, it was excitement,

it was anticipation, it was all positive.

**DT:** Did you ever feel pressure from the demanding expectations at Texas?

**DP:** The University of Texas can't put any more pressure on me than I put on myself. It doesn't matter if I was coaching one of the high school teams I coached at or any other college that I was at. For me, our preparation and the way we went about our business is the same at Texas as it has been anywhere. I like the expectations. I've never felt pressure, but you always want to perform your best and have your players go out and play freely and be the best they can be. I thought we accomplished a lot of that this year.

**DT:** Before the program's 11 drafted players made their decision to leave Texas and pursue a professional career, did you tell them anything?

**DP:** We had individual meetings with most of the players. My biggest message to them was make sure you make a good business decision. You're at a university that cares about you in such a traditional place that you

can be a part of this history, so make sure it makes sense for you to advance onto professional baseball.

**DT:** With none of the players who were drafted returning, what does that mean for next year's roster?

**DP:** It does put a little damper in some pitching when you look at our redshirt sophomores who were eligible that ended up signing a contract and potentially a couple of outfielders that were expected to come back. In the big picture it's a part of our industry and we just have to deal with it.

**DT:** What is your message to Longhorn fans going into next season?

**DP:** First of all, thanks for the support that they gave us throughout the season — at home and on the road... You're going to continue to see a team that improves. I feel like we're going to improve our team speed as well as our offensive approach and we're going to have some guys step up in pitching roles immediately. I think you're going to see a better, exciting team and hopefully a little more polished team.

Head coach David Pierce guided the Longhorns to a 14-win improvement in his first year with the burnt orange. Pierce was previously the skipper at Tulane before heading to Texas.



**FOOTBALL** 

### Longhorns who need to step up in 2017

By Trenton Daeschner

@TrentDaeschner

There's plenty of pressure on head coach Tom Herman to get the program back on track in 2017. And to do that, Texas will need an increase in production from members of the Longhorn roster who didn't live up to their billing last year. Here are three players who need to bounce back for Texas this season:

### **Malik Jefferson**

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**(7)** G

Most Texas fans probably still remember the jaw-dropping hit Jefferson delivered on Notre Dame running back Josh Adams in the 2015 season opener in South Bend. The highly-touted recruit from Poteet thrust himself onto the national stage in only his first college game and looked to be on his way to stardom. Jefferson no doubt has star potential, but an underwhelming sophomore season in 2016 now leaves the junior linebacker with plenty to prove. Jefferson's strength is rushing the passer, but he hasn't played much out on the edge thus far. Look for defensive coordinator Todd Orlando to utilize Jefferson on the outside this season.

### **Patrick Vahe**

By his own admission, Vahe knows he needs to bounce back in 2017. He lost his starting job for three games last season, failing to provide stability on the left side. "My mind's been on the wrong path," Vahe said in the spring. "My effort

really wasn't there. It really wasn't what was needed for the team at that moment. But I'm on a different road right now."

The junior left guard has the physical tools and plenty of potential, but he needs to improve this season to hold down his spot next to All-American Connor Williams in the fall.

### John Burt

From sophomores Collin Johnson and Devin Duvernay to junior Jerrod Heard, Texas is loaded with talent at wide receiver. Lost in the shuffle, though, may be the junior Burt, who shined as a freshman before disappearing last year. Burt struggled with drops in 2016, but the former track star is talented enough to make an impact on the perimeter.

Trinity

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# THE PATH 0

# **AFFIRMATIVE ACTION**



**1961** Executive Order "affirmative action" President uses term

when President John F. Kennedy signs The term "affirmative action" is introduced Executive Order 10925 requiring that federally funded employers "take affirmative action" to make sure hiring decisions are

# not racially biased.

June 23, 2003 Supreme Court

In a case at the University of Michigan, the Supreme Court invalidates the Hopwood decision by ruling that race could be used in admissions decisions because of a "compelling interest in obtaining the educational benefits that flow from a diverse student body.

ment, which states "no state shall deny to any person within its jurisdiction the equal protec-Ruling finds that racial quotas violate the Equal Protection Clause of the Fourteenth Amend-

June 28, 1978 Supreme Court

tion of the laws." However, race can still be used as a factor in admission decisions.

March 18, 1996 Supreme Court

Hopwood challenges the Bakke ruling by asserting that any usage of race in the admissions process is unfair, saying "educational diversity is not recognized as a compelling state interest."

Aug. 17, 2009 District Court District sides with UT The district court rules against Fisher. Fisher appeals to the Fifth U.S. Circuit Court of Appeals.

Jan. 18, 2011 Federal Court Fifth Circuit affirms district Fifth Circuit rules against Fisher. Fisher takes the case to the Supreme Court.



July 2014 Federal Court Fifth Circuit, again Fifth Circuit rules against Fisher a second time.

# Fisher files first complaint April 7, 2008 District Court

Court for the Western District of Texas asking UT to reevaluate her for admissions under Abigail Fisher, a white applicant to the University of Texas at Austin who was denied admission but accepted under the CAP program, files a complaint with the U.S. District race-neutral criteria.



# **FISHER V. UNIVERSITY OF TEXAS**

lune 24, 2013 Supreme Court

After hearing arguments on the case, remand Fisher v. UT back to the Fifth Circuit to be reviewed. Only Justice the Supreme Court voted 7-1 to Ruth Bader Ginsburg dissented, arguing it is more preferable to include race as a factor in admissions than deny its role.



dozen different high-profile court cases over the past two decades, but Edward Blum is not a lawyer. The 64-year-old Michigan native is a retired stockbroker and conservative legal strategist who has been working for the more than 20 years to combat the legal legacy of the Civil Rights Movement, including affirmative action and racial gerrymandering. Since the 1990s, six of Blum's cases have made it to the Supreme Court, and four of those ruled partially or wholly in his favor.

The self-described "architect" of the Fisher v. Texas case, Blum sought out Abigail Fisher to serve as the public face of his campaign against UT's system of partially race-based admission. Blum, a UT graduate himself, was not successful in his attempt to change UT's policy on race as a factor in admissions. Blum's new lawsuit, filed on behalf of his nonprofit, Students for Fair Admissions, claims that UT's admissions policies are discriminatory and put Asian and white students at a disadvantage.

# BLU

# November 2014 Blum challenges Harvard, UNC

Edward Blum, the legal strategist of the Fisher case, files suits against Harvard and University of North Carolina through his nonprofit, Students for Fair Admissions. The suit claims Harvard is "employing racially and ethnically discriminatory policies and procedures."

# March 2017 Blum challenges UT

A website challenging admissions policies at UT, called UTNotFair. com, is launched by SFFA. Blum used a previous version of the website, called UTNotFair.org, before the Fisher v. Texas to collect first-hand accounts of students who felt discriminated against by the University.

# June 29, 2015 Back at the Supreme Court

Supreme Court announces it will hear Fisher v. Texas a second time.

# FISHER V. UNIVERSITY OF TEXAS II

June 23, 2016 Supreme Court

After hearing arguments in December 2015, the Supreme Court decides in a 4–3 decision to uphold the Fifth Circuit decision in favor of UT.



Blum, on behalf of SFFA, files a lawsuit against UT, asserting that the University violated the Texas Constitution with its affirmative action policies. This time, the suit is filed with the State Court, not the Supreme Court, thus focusing on Texas law rather than federal law.

# TODAY

# **Architect of Fisher case files new UT lawsuit**

# By Albert Zhao @\_albertzhao

dward Blum, president of
the nonprofit group Students for Fair Admissions
and the self-described "architect"
of the Fisher v. University of Texas case, filed a lawsuit June 27
in Travis County court against
UT-Austin for the University's affirmative action policies.

The lawsuit, filed on behalf of Students for Fair Admissions, said the University violated the Texas Constitution because affirmative action breaches the Texas Equal Rights Amendment, which prohibits discrimination on the basis of "sex, race, color, creed or national origin."

UT's current policy automatically admits three-fourths of the entering freshman class based on

class ranking, while the remaining applicants are subjected to a holistic review process that factors in race and ethnicity.

After losing the Fisher case a year ago, Blum will now take the new case through the state court system instead of the federal courts. This is an important distinction because UT's affirmative action policies will now be judged solely within the confines of Texas law, said Malcolm Greenstein, who has practiced Texas law for the past 44 years and is a partner at the law firm Greenstein & Kolker.

"This case is based solely on the Texas Constitution, meaning that the U.S. Supreme Court or a federal court can't hear the case because it's dealing only with an interpretation of the Texas Constitution," Greenstein said.

Blum said Students for Fair Admissions members who had recently been rejected from UT played a role in the timing of the new lawsuit, but he did not elaborate and and instead referred back to the organization's press release.

"It is our belief that the Texas Constitution unequivocally forbids UT-Austin from treating applicants differently because of their race and ethnicity," Blum said in the press release. "We believe that most Texas judges and justices will agree with our interpretation of the

Texas Constitution."

Greenstein said he would not a be surprised if the Texas Supreme se Court rules in Blum's favor, based an on past rulings that opposed the n- U.S. Supreme Court. He cited the Texas Supreme Court's ruling

June 30 against married samesex couples from receiving government-subsidized benefits as an example.

"(The Texas Supreme Court) basically contradicted Obergefell vs. Hodges," Greenstein said. "It's a very clever ploy that (the plaintiffs are) using. They've gone through the federal system and they lost. Now they're going through the state system and they're arguing that state law gives greater rights."

Maurie McInnis, UT executive vice president and provost, defended UT's affirmative action policies and emphasized the University's goal for diversity in a June 27 statement.

"UT-Austin uses race and ethnicity as one factor in our holistic admissions process," McInnis said in the statement. "The policy

is narrowly tailored. It complies with state and federal law and the Texas and U.S. Constitutions and has been upheld by the U.S. Supreme Court."

The suit claims UT provides admission preference for minorities of African-American and Hispanic descent, but consequently excludes Asian applicants.

"UT-Austin deemed Asians 'overrepresented' based on state demographics," the complaint read. "At the same time, UT-Austin continued to recognize Asians as a minority in its diversity statistics, marketing materials and in analyzing classroom diversity." McInnis said the University

has yet to receive a new lawsuit challenging its use of affirmative action, but will "respond through the formal legal channels" if a notification is received.

### **FOOD**

### Classic American cuisine gets an Austin twist for Fourth of July

By Jose Gonzalez

@Jose thewriter

Hot dogs and burgers are as traditional as fireworks on Fourth of July, but in Austin even these classics don't get away without slight changes and adaptations. In this unconventional Texas city, the adjustments made to traditional recipes don't just highlight the tastes that set the region apart, but break convention on what defines American food.

Though several restaurants will close to enjoy the holiday, many hot dog venues remain open because they are an Independence Day staple. Though various cities boast their own recipes from

Detroit's Coney dog to Arizona's Sonoran dog most know Chicago style as the tradition.

The Chicago dog is practically an American institution, and institutions like Frank Restaurant stand behind it. Most of their recipes don't stray too far from Chicago style, which is why they're such a hot spot on Fourth of July.

Frank Restaurant set its foundation upon Chicago style but isn't afraid of revolution, serving a variety of wild game hot dogs made with antelope and rabbit, as well as a Cajun hot dog called the Creole Gator.

"We get game from local Texas ranches, but the alligator we do have to

outsource," Romano said.

While Frank's hot dogs have held notoriety for over a decade, Mission Dogs in East Austin opened up a restaurant last year that gives a multicultural take on hot dogs. Restaurant owner Michael Farley said his upbringing as an Asian-American is what inspired his diverse menu.

"Each hot dog represents a different country, so you got a Korean dog, a Japanese dog, a Filipino dog," Farley said. "The Mission dog is the only one that strays from that."

Farley's namesake "Just the Dog" hot dog is the barebones option on the menu, a bacon-wrapped hot dog on a bun. Farley said the Mission dog

itself is based on the Mexican-style hot dogs he would see street vendors sell in San Francisco.

The Austin hot dog scene is a melting pot of styles, but burger joints take pride in keeping a strictly Texan spin on their food. Daniel Young, general manager at the Austin landmark Dirty Martin's, attests to this and said he's sticking to their trademark way of making delicious American food.

"We don't try to sugarcoat it," Young said.

Though Dirty Martin's generally sticks to what they know, Young said they do have something new to spice things up on the Fourth. The Guadalupe Red Hot Burger — a

spicy variation of their traditional burger — was recently added to Dirty Martin's menu, but Young said it still embodies a uniquely Austin flavor.

Further up Guadalupe, Hopfields is wellknown for their popular, French-inspired Pascal burger, but general manager Maya Shabi said she wanted to try something else this Fourth of July going American.

"We're gonna be offering a classic American burger, super cheesy with double meat on a brioche bun," Shabi said. "It's going to be limited so we're only going to have about 20 of them all day."

For a more reliable option, wander West 6th Street this Fourth of July for Casino El Camino's crowd-favorite Amarillo burger. Though their burgers are based on many Northern styles, fry cook Ryan Allan Ruth said there's a special touch to the pub's burgers that makes them authentically Texan.

"You just have to add a little love to the meat and a splash of Lone Star beer," Ruth said.

Though most restaurants have their own take on how to do Fourth of July food "right," Farley said no matter if their style is traditional or a variation, it is inherently American.

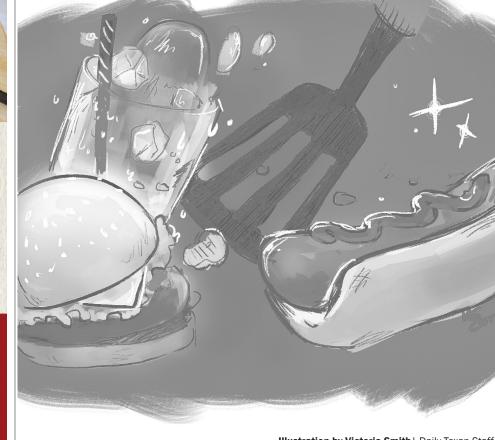
"If you're already serving a national staple, might as well do it your way," Farley said.



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CITY

### Fireworks director sparks enthusiasm

By Lisette Oler

@LisetteOler

Steven Sarnoski had been preparing for this all day. He crossed himself, his pre-show ritual, and launched the first firework of the night.

"No matter how many times I've shot a show, every time I'm about to start shooting I do a little cross and I always have butterflies," Sarnoski said. "It never fails. No matter how many shows I've shot, I still get nervous."

The H-E-B Austin Symphony July 4th Concert & Fireworks will be held at the Vic Mathias Shores on Tuesday. Sarnoski, a pyrotechnic operator from San Antonio who works for Sky Wonder Pyrotechnics, will shoot this classic show for the first time since receiving his license in 2006.

Sarnoski, who works full time at a security company, does firework shows on the weekends starting in April through Independence Day.

While the extra income is beneficial, fireworks have always been a part of his life. His family owned and operated a firework stand in Bastrop, Texas, and he remembers watching firework shows his dad put on.

"My dad used to do display shows at the end of the (firework) season," Sarnoski said. "The (warehouse) owner told him, 'Hey, you should get into the big shows."

His father became pyrotechnic operator when Sarnoski was a child, but as he grew up, his father stopped doing shows. When Sarnoski turned 21, the age required to become a licensed pyrotechnic operator, his dad resumed the firework shows and Sarnoski fell in love

all over again.

As Sarnoski began to adopt pyrotechnics as more than an explosive fascination, he said he quickly learned the components that come with professional caliber shows — mainly, the size of the shells launched to produce the colorful fireworks.

"(They are) a lot different compared to the little stuff you buy in the firework stand," Sarnoski said. "Our smallest shell is the size of a soda can, and they can get all the way up to a basketball size."

According to Assistant State Fire Marshal Ernest McCloud, the difference between professional grade fireworks and commercial fireworks is the difference in the size of the explosion. Common commercial grade fireworks are 1.4G — the letter "G" signifying which explosives can travel together — and can be purchased by the general population, while the shells Sarnoski uses are 1.3G.

"The (difference is) the amount of pyrotechnic powder and material they are allowed to have," McCloud said. "How big the boom is."

Because of this, pyrotechnic operators have to be licensed

to produce shows by passing an exam with a grade of 70 or higher. Sarnoski said the test was nerve-wracking because of all the information.

"You have to know the regulations, the size of the shell when it breaks open, how far you have to be from the trailer if smoking," Sarnoski said. "I was very nervous. I was just trying to remember everything that I had read and trained to pass."

Despite the inherent dangers of working with explosives, the whole process is safe if preventative precautions are followed. According to John Polk, a pyrotechnic operator of 30 years, basic safety rules such as prohibiting smoking near the launch area help keep it secure.

"There really has not been a really scary moment," Polk said. "We do our due diligence beforehand."

By the end of a successful show, no matter how long, Sarnoski said he always feels an inexplicable rush of excitement.

"It's hard to explain," Sarnoski said. "You get to blow stuff up and you don't get in trouble. It's just awesome."



Karen Pinilla | Daily Texan Staff

Lines of explosives sit ready for a fireworks show at the UT golf course.



YTIC

### Fun, festive events for the Fourth

### By Morgan O'Hanlon

@mcohanlon

As the only state with our own national history, Texas takes a distinct approach to the Fourth of July. But this year, with a mix of weird, wild and traditional celebrations, natives and out-of-state transplants will have plenty of opportunities to be proud 'Mericans.

### Stay hip, take a dip

What better way to take in the sultry Texas sun than swimming in some of the city's many spots? For the classic Austin experience, head to Barton Springs early to skip long lines and to grab a prime sunbathing real estate on what's sure to be a hot holiday. For something a little more under-the-radar, pack a bag and head to Barton Creek Greenbelt. At this time of year, the oasis may be slightly dry, but that can be quickly forgotten with enough Lone Star, the self-proclaimed "national beer of Texas."

### **Pudding Wrestling**

Neither traditional nor appetizing, this event put on by the Austin Facial Hair Society is sure to be interesting — but make sure to go only after eating. Now in its second year,

the event at Rainey Street's The Black Heart is sure to attract hipsters galore. If you're one of those hipsters, be sure to act fast for free registration in the messy competition. If you're more interested in laughing at said hipsters, show up at 3 p.m. to watch the event and listen to a lineup of live music for free.

### **Pickled Egg Eating Contest**

Not to stray too far from the lines of doing strange things with strange foods, Austinites can find an alternative to the classic Fourth of July hot dog eating contest with this weird alternative. This contest, hosted by local sandwichery Haymaker, is certain to excite the tastebuds of participants from around the Lone Star State for the fourth year in a row. A word of caution to the wise: These aren't your nana's pickled eggs. They're pickled with Habanero, and those with an aversion to spicy foods should steer clear! The event starts at 3 p.m. and is free to attend unless you want to stuff yourself with purple eggs (a patriotic mix of red, white and blue), in which case there's a \$20 entrance fee.

### TuezGayz: Party in the U.S.Gay

Miley isn't the only one who gets to flaunt their stuff on the Fourth of July. Grab your denim cutoffs and cowboy boots, because keeping the festivities inclusive this holiday is Barbarella, in a special edition of their weekly Tuesday night celebrations. The LGBT-friendly venue known for their busy dance floor and large outdoor patio will have free entry before 11 p.m. and a \$5 cover afterwards.

### H-E-B Austin Symphony July 4th Concert & Fireworks

To finish off the list with an Austin staple, the Austin Symphony's 41st annual Fourth of July performance will offer attendees a night of beautiful fireworks and accompanying music to set the pace. The Austin Symphony's website boasts an annual attendance of over 100,000, so show up long before sunset to grad a slot of grass at Vic Mathias Shores. For a truly Texan experience, pack a barbecue picnic and enjoy the views of Austin's rapidly expanding skyline.



# SCIENCE&TECH

**ASTRONOMY** 

### UT researchers find mass matters when it comes to star brightness

By Poornima Tamma

@poornima.tamma

Thought Jupiter was big? Turns out, stars have to weigh at least 70 Jupiters to shine at all.

Astronomers at UT and the University of Hawaii studied 31 faint binary systems — or pairs of stars — for 10 years to come to this conclusion, published in the Astrophysical Journal Supplement Series.

Stars are formed when large clouds of dust and gas condense due to gravitational force, according to Trent Dupuy, UT astronomy research fellow. They need to be hot enough and have enough mass to sustain nuclear fusion, which releases enormous amounts of energy as light and heat. Dupuy and the rest of the team team discovered that stars that weigh less than 70 Jupiters don't shine and become brown dwarfs.

"Binaries are constrained by the basic law of gravity — the speed of their orbits around each other depend on their masses and the distance between them," Dupuy said.

He added that by observing the speed of the orbits and the distance between the stars, their masses can be calculated.

The research team, including Michael Liu of the University of Hawaii, used the Keck Observatory, the Canada-France-Hawaii

Telescope and the Hubble Space Telescope to obtain their data.

"The 10-meter telescopes on Mauna Kea (are) a combination of the largest telescopes in the world at the best site in the world and the best instrumentation to make those observations possible and successful," said Randy Campbell, Keck Observatory science operations manager.

He said the telescopes have instrumentation that detects infrared light, which is important for studying objects in the universe that don't emit visible light, and adaptive optics systems that remove the atmosphere's blurring of images.

Campbell added that this study is a good example of how various types of telescopes and instruments can complement each other. Keck Observatory can take high spatial resolution images, the Canada-France-Hawaii Telescope takes wide angle pictures and Hubble can observe colors that the atmosphere otherwise absorbs.

Dupuy said he first started research on star brightness as a graduate student at the University of Hawaii.

"Of course I was interested in exoplanets," Dupuy said. "But it was exciting do something people have never done before, using new technology and basic physics applied to things only recently discovered."

In the past, mathematical models predicted that the cutoff mass is 75 to 80 Jupiters, which is higher than the 70 obtained from this study, Liu said.

"The result is too new for the theorists to go back and look at why the masses are different," Liu said. "But this might motivate them to look more closely at the evolution of stars."

The next step for the team is to improve their result with a much larger sample, Dupuy said. The team hasn't recorded many mass measurements for very low mass coldest stars, since both have only been found recently, within the last five to 10 years.

Dupuy added that binaries that are very close together cannot yet be distinguished as two different stars.

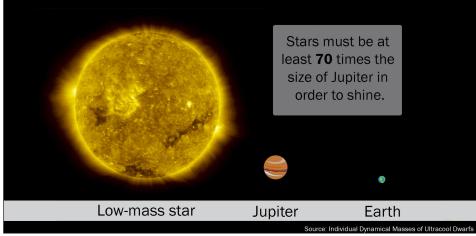
"They won't be detected until the next generation of telescopes," Dupuy said.

So far, the study has taken 10 years to obtain data needed to measure orbits of binaries.

"It's just the nature of the project," Liu said. "The time it takes for these stars to orbit is usually a decade, sometimes a couple decades."

Dupuy said that waiting is just part of astronomy, even with the biggest telescopes in the world.

"We knew that it would take a really long time," Dupuy said. "But now it's done!"



Star size and planet comparisons

Infographic by Luzdivina Ruiz | Daily Texan Staff





by Melon



EATS MORNING, NOON, NIGHT



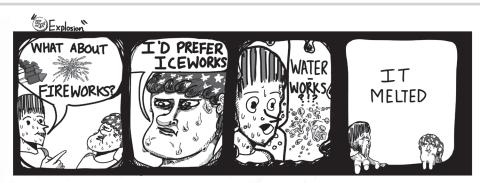
EATS IT SHE RAIN OR SHINE



SHE IS ...



SUPER CEREAL GAL



### SLARY STORIES TO TELL @ LUNCH





BY JACKY TOVAR

### Pickles & Self-Hotred









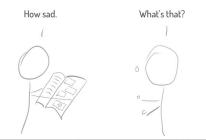
OH, AREN'T WE ALL?

### PAID CONTENT



### QUARANTINED. **#06: COMIC NEUTRALITY**





"Withholding information is the essence of

tyranny. Control of the flow of information is

These newspapers. Arranging content in such a way as to draw attention to some comics over others. It's an attack on freedom.



Yeah next thing you know they'll publish whatever garbage someone pays them to.





FOR SECURITY & PRIVACY TIPS VISIT:

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- 8 Whole
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### **ANSWER TO PREVIOUS PUZZLE**

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| K   | Ν | Ε | L | L | S |   | Α   | С   | 0 | R   | N   | S  |   |     | ļ  | 8 Borden milk               |
|     |   |   | L | 0 | Р |   | N   | Τ   | K | Ε   |     | 0  | N | Т   | 0  | mascot                      |
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| Р   | Α | R | Т | D |   | Α | R   | М   | Υ |     | N   | S  | Υ | N   | С  | lacking bread or            |
| s   | L | Α | W |   | Т | R | Α   |     | s | R   | 0   |    | s | Т   | Ε  | pasta, for short            |
| Ε   | L | s | Ε |   | s | Р | С   | Α   |   | Α   | Α   | Α  |   | _   |    | 10 Etch A Sketch or         |
|     |   |   | Ε | R | Α | s | Ε   | D   |   | С   | Н   | R  | Т | s   | Т  | уо-уо                       |
| С   | R | Α | Z | Ε |   |   | С   | 0   | R | K   | s   | С  | R | Ε   | W  | 11 Blocking someone's path  |
| L   | 0 | ٧ | Ε | Т | 0 |   | Α   | N   | 0 |     | Α   | Т  | Α | R   | Т  |                             |
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| F   | E | S | S | E | D |   | S   | S   | Т |     | K   | N  | T | F   | Ε  | 13 Visine application       |
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### Edited by Will Shortz

### No. 0529



### PUZZLE BY JEFF CHEN AND SETH GELTMAN

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- 18 Counterparts of dahs in Morse code
- 21 Scoundrels
- 25 In apple-pie order
- 26 Mind-body
  - 28 Sit and mope
- 32 Performer with a fan
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- 34 One finally done with finals? 50 Beating at chess
- 37 Land of Blarnev 52 \_\_\_ Falls, N.Y. 38 Duo plus one 39 Idle drawings

51 With hands on hips

- 54 Neap and ebb 40 Part of a car's exhaust system 55 Uplift 41 "You agree with me?," informally
- 45 Goal for a 60 Big movie format mountaineer
- 47 Trumped-up \_\_\_-K (early schooling) charge
  - 63 Mac alternatives

Online subscriptions: Today's puzzle and more than 7,000 past puzzles, nytimes.com/crosswords (\$39.95 a year). Read about and comment on each puzzle: nytimes.com/wordplay.

36 Kiss like an

Eskimo



the tool of the dictatorship.







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