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Thursday, October 3, 2013

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Austin prepares for extra ACL days

City police, transportation unfazed by two weekends

By Amanda Voeller
@amandaevoeller

Austin City Limits Music Festival will extend to two weekends this year, and though the influx of an expected 225,000 visitors will necessitate road closures and increased shuttle bus service, city officials do not think the addition of a second weekend will present difficulties.

The Austin Police Department will use data gathered from previous years to prepare for and monitor the weekend festivals, held annually in Zilker Park. Both Barton Springs Road and Stratford Drive will be closed between Oct. 4-6 and 11-13.

"With any event, we always have a debriefing afterwards with event promoters and various city staff," William Manno, commander of specialized patrol and events planning, said. "We talk about what did not work ... so when we start the planning stage for the next year's event, [we discuss] what was identified [and] what has been done to mitigate those issues from last year."

Alongside the Austin Parks and Recreation department and the transportation department, APD will monitor the two festival weekends from a command post outside Zilker Park to address any safety issues in a timely manner, Manno said.

TRANSPORT page 2

Local restaurants, hotels planning to cash in twice

By Shane Arthur Miller
@shanearthurmill

Two weekends of Austin City Limits makes the festival easier to attend but harder for locals to avoid.

Following a unanimous decision by Austin City Council, C3 Presents — the independent company that puts on the festival — has been permitted to double ACL from one weekend to two weekends. This year's ACL Fest will be held Oct. 4-6 and 11-13, with the majority of bands playing both weekends.

The doubling of festival time means a greater influx of out-of-towners. Emily Jackson, front desk clerk for Hostelling International Austin, said they are completely booked.

"All 49 of our beds are booked for the weekends, but there's vacancies in between," Jackson said. "We're seeing people come from Mexico, Australia and Germany, but most are from within the United States."

Jackson said the majority of the bookings last from Thursday through Sunday, an indicator that most of the guests are going to ACL.

"Normally on festival weekends it's like this," Jackson said. "Our price is normally \$28.30 per night and during ACL it's \$37.50."

REVENUE page 8

POLICE

UTPD praises student response to fork attack

By Alberto Long
@albertolong

According to UTPD Sgt. Charles Bonnet, the students who overpowered 22-year-old Chenxi Deng after he used a fork to stab graduate student Li You in the nose last week were gutsy, but trying to be the hero isn't always sensible.

"We're not going to take a stance saying everyone should get physically involved if you see something happening," Bonnet said. "We leave that up to an individual's morality, their own physical fitness. If you see something happening — if it means making a phone call, that's what it means. These individuals felt comfortable subduing this guy, and it worked out in this case, but it might not always."

Bonnet said the students acted heroically.

"I don't think there's any other way to describe their actions," Bonnet said. "The main point is that we're all in this together in terms of campus safety. Whether its reported crimes or suspicious activities, we want to encourage a spirit of cooperation. This is just one way that manifested itself, but we're not saying it's the best way or the right way."

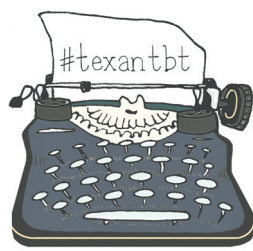
Electrical engineering senior Shangheng Wu was one of several witnesses named in the police affidavit. Although Wu was not involved in the struggle to overwhelm Deng, he said he witnessed the moment firsthand.

"I heard a girl yelling continuously and I turned around," Wu said. "A white

FORK page 2

THROWBACK

Jazz writeups defend now-classic genre



By Lan Le
@lannle

For many people, especially residents of the "Live Music Capital of the World," jazz music is a familiar, and often welcomed, sound. On the streets of downtown Austin, one is sure to hear the smooth notes coming from a jazz band playing in a club or a street musician's saxophone.

But in the 1940s, Austinites might have been surprised to hear those notes coming from anywhere at all.

The origin of jazz dates from the early 1910s, but it was still unfamiliar and



Photo courtesy of 1955 Cactus Yearbook

Pvt. E. Gartyl Jaco, pictured second from the left, returned to teach at UT in 1955. Jaco wrote columns defending jazz as legitimate music as a Daily Texan columnist in the 1940s.

Though it may seem strange to have had such articles printed alongside news about World War II, perhaps it was all the more necessary to shift the attention of

students to a topic such as jazz to remind them of the cultural movements also taking place at the time.

JAZZ page 2

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CONTACT US

Main Telephone
(512) 471-4591

Editor
Laura Wright
(512) 232-2212
editor@dailytexanonline.com

Managing Editor
Shabab Siddiqui
(512) 232-2217
managingeditor@dailytexanonline.com

News Office
(512) 232-2207
news@dailytexanonline.com

Multimedia Office
(512) 471-7835
dailytexanmultimedia@gmail.com

Sports Office
(512) 232-2210
sports@dailytexanonline.com

Life & Arts Office
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Retail Advertising
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Classified Advertising
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TOMORROW'S WEATHER

High **92**  LOW **71**

New girl, man.

FRAMES FEATURED PHOTO



A student bikes between Faulkner Nano Science and Technology building and Anna Hiss Gym on Wednesday afternoon.

Ethan Oblak / Daily Texan Staff

JAZZ

continues from page 1

In his first piece, Jaco addressed four assumptions made about jazz by those he called the “followers of the old school of music.” The assumptions included jazz was “low brow, disconnected noise,” its “original conception was formed in immoral institutions” and should be shunned, it only appealed to adolescents and, in its best form, jazz could only be understood by musicians.

The article, published Sept. 1, 1944 — exactly five years after World War II had begun — hit each of those points, with Jaco’s fervor equal to that of any jazz musician’s today.

In the case against those who called jazz “disconnected noise,” Jaco said, “Laws of psychology prove that when a person cannot understand something, he either shuns it altogether or denounces it in some manner,” a statement many non-

mainstream musicians today would likely agree with.

Jaco returned with his second article on Oct. 3, this time defining jazz for the “laymen,” though he admitted it “would be like attempting to depict art without illustration, music without notes, life without living.”

With these limitations placed on him, Jaco began to describe jazz.

“Originality and individuality is its keynote, emotion and phrasing is its medium of expression and syncopated rhythm is its basis,” Jaco said. “To be colloquial, jazz is democratic music.”

Jaco’s third article in the series, published Nov. 30, boasted a bright future for jazz in the post-war era, citing the success of many of the day’s jazz musicians, including Coleman Hawkins and Don Byas.

In addition to predicting the popularity of jazz, Jaco briefly discussed the differences between the

musical talents of white and African-American jazz performers in the ‘40s, leaning heavily in favor of music produced by the latter.

“Past performances of mixed white and colored musicians in a jam session proved that the colored jazz artist is far superior and more advanced in his musical ideas than his opposing white performer,” Jaco said.

While Jaco’s opinion concerning the connection between race and musical talent might be taken with a grain of salt, the rise of artists such as Buddy Johnson and Dizzy Gillespie following the war and the continued popularity of jazz today reveal his predictions were on track.

In a city now known for the diverse genres that fill its clubs, bars and cafes, it is hard to imagine the need to make the case for the seemingly-classic jazz; but Jaco’s articles are a good reminder that even the classics had to face a little resistance.

TRANSPORT

continues from page 1

“Our goal is, as citizens recognize that there’s an issue, we try to correct it that night, and we’ll put it in place for the next night if what we did worked,” Manno said.

Jake Dirr, Austin Center for Events spokesman, said the event’s additional weekend will not have a dramatic impact on transportation schedules in Austin.

“This event doesn’t require a large amount of road closures ... and it’s the same plan that we implement more or less every year,” Dirr said. “Now we just implement it for two weekends [which] doesn’t require a whole lot of additional planning.”

Manno said many residents of the neighborhoods around Zilker Park have complained about people parking near their houses, so APD will have a greater presence in the area to enforce parking restrictions.

“ACL has reimbursed the [police] department [for] the cost of the officers for this traffic mitigation and enforcement in the neighborhoods, so this is not costing the taxpayers,” Manno said.

Because Zilker Park does not offer parking for most festival visitors, a free shuttle leaves from Republic Square on the corner of 4th and Guadalupe. During the 2012 festival, 85,158 patrons used the shuttle.

ACL will pay Zilker Metropolitan Park a total of \$53,060 for the event, according to the contract between the festival and the city. The festival contributed \$102 million to the Austin economy in 2012 in its standard one-weekend format.

Although each band is different, the majority of bands visiting for ACL will stay downtown during the festival weekends but will not stay in Austin during the week.

Zilker Park closed for event set-up on Sept. 23 and will remain closed to the public until Oct. 26.

FORK continues from page 1

guy just ran to the assailant immediately and the assailant was tackled down to the ground. The white guy restrained the assailant and kept him on the ground, yelling that ‘What the fuck are you doing? You just stabbed a girl!’ The other witnesses held the assailant’s feet and helped keep him on the floor.”

According to the police affidavit, You had four visible puncture wounds on the left side of her nose and abrasions near her left eye, as well as a possible

nose fracture.

Hongjiang Li, an electrical and computer engineering graduate student who knows the victim personally, said she is getting better.

“All I can say about the victim is that she’s recovering,” Li said. “She doesn’t want this to be a public topic anymore.”

According to Bonnet, Deng followed the victim from China in order to rekindle a romantic relationship. The police affidavit said Deng was auditing classes that would put him in close

““ The white guy restrained the assailant and kept him on the ground, yelling that ‘What the fuck are you doing? You just stabbed a girl!’

—Shangheng Wu, electrical engineering senior

contact with the victim.

Non-UT students are virtually unrestricted in registering to audit classes and only require an instructor’s signature and \$20.

Deng will be in court on Oct. 9. He is charged with aggravated assault causing

serious bodily injury, under the category of dating violence, which is a second-degree felony with a maximum sentence of 20 years in prison.

Deng’s attorney, Peter Bloodworth, declined to comment on the case.

THE DAILY TEXAN
This issue of The Daily Texan is valued at \$1.25

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The Daily Texan (USPS 146-440), a student newspaper at The University of Texas at Austin, is published by Texas Student Media, 2500 Whitis Ave., Austin, TX 78705. The Daily Texan is published daily, Monday through Friday, during the regular academic year and is published once weekly during the summer semester. The Daily Texan does not publish during academic breaks, most Federal Holidays and exam periods. Periodical Postage Paid at Austin, TX 78710. POSTMASTER: Send address changes to: The Daily Texan, P.O. Box D, Austin, TX 78713. News contributions will be accepted by telephone (471-4591), or at the editorial office (Texas Student Media Building 2.122). For local and national display advertising, call 471-1865. For classified word advertising, call 471-1865. Entire contents copyright 2012 Texas Student Media.

The Daily Texan Mail Subscription Rates

One Semester (Fall or Spring)	\$60.00
Two Semesters (Fall and Spring)	120.00
Summer Session	40.00
One Year (Fall, Spring and Summer)	150.00

To charge by VISA or MasterCard, call 471-5083. Send orders and address changes to Texas Student Media, P.O. Box D, Austin, TX 78713-8904, or to TSM Building C3.200, or call 471-5083. POSTMASTER: Send address changes to The Daily Texan, P.O. Box D, Austin, TX 78713.

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Engineering renovations to begin in November

Renovations to various campus buildings will begin this November to prepare for the demolition of the Engineering Science Building next fall and accommodate students, faculty and staff displaced by the demolition.

Project Management and Construction Services will oversee the renovations, which will cost \$12 million. The ENS building will be torn down to prepare for the new Engineering Education Research Center, which the University received some funding for from the UT System Board of Regents last month.

Michael DeBow, associate director of Project Management and Construction Services, said several projects have already been completed including a new custodial training facility, renovation of a space in the McCombs School of Business and the George I. Sánchez Building.

"It is very important that we stay on schedule and get these renovations done, so that work on demolishing the ENS building will be able to start in the fall of 2014," DeBow said.

DeBow said some of the major projects beginning next month are moving the McKinney Engineering Library to the Perry-Casteneda Library and renovating five different floors of the UT Administration.

DeBow said he works closely with those having to relocate and said they have thorough discussions about what needs have to be met to make the transition to their temporary facilities.

— Reanna Zuniga

CAMPUS



Ethan Oblak / Daily Texan Staff

Students rally against the Smarter System outsourcing plan during a street performance put on by the Save Our Community Coalition.

Powers' plan draws protests

By Nicole Cobler @nicolecobler

Chants rang through the halls of the Tower as members of Save Our Community Coalition went to deliver a letter to President William Powers Jr. Wednesday, expressing their concern with an outsourcing plan Powers' Committee on Business Productivity released last year.

The committee, composed of business leaders outside the UT community, wrote the plan titled "Smarter Systems for a Greater UT" to identify untapped revenue sources and methods the University might use to increase efficiency. One recommendation in the report made was a potential increase in parking, food and housing prices.

The group began its protest with a street performance providing background on the Smarter Systems plan. After the performance, the coalition walked into the Tower to

request a meeting with Powers about the group's unhappiness with the plan.

The coalition began last semester in response to the Smarter Systems plan, and is composed of student organizations, faith leaders, local nonprofit organizations and the Texas State Employees Union, which protests the outsourcing and privatization of on-campus job and services. The coalition was formed by the United Students Against Sweatshops, a group which aims to protect the rights of student workers on and off campus.

"Taking outsourcing off the table is a basic, minimal request from the community because this plan is wide reaching and we already know that outsourcing and privatization has a devastating effects on local economies and our community as a whole," Plan II junior Bianca Hinz-Foley said.

The president's office was locked when the group marched up the narrow

staircases of the building.

According to coalition member Sophie Poitier, a philosophy and rhetoric senior, the group plans to send an email since they were unable to deliver the letter directly. Poitier said the coalition will keep running the campaign until they get an acceptable response.

"We don't think it's right for a university to cut costs when humans are involved," Poitier said. "There are other ways costs could be cut than a person's livelihood."

Alonzo Mendoza, a 2012 UT alumnus who graduated with a masters in special education, has been involved with the United Students Against Sweatshops for several years. Mendoza has been in the coalition since it was founded in January.

"[The protest] is important to me because even though I'm not being directly affected by this, the reputation of UT is at stake," Mendoza said. "As an [alumnus], I want to be proud of my university."

SCIENCE & TECHNOLOGY

Environment crucial to gene development

By Wynne Davis @wynneellyn

While many would predict humans develop more as they age through experiences rather than through gene development, recent studies by psychology professors Elliot Tucker-Drob and Paige Harden and psychology graduate student Daniel Briley suggest the opposite.

The three researchers collaborated on the study "Genetic and Environmental Influences on Cognition Across Development and Context," focusing on how certain genes are dormant for a period of life, but when they become active, they reach different levels of potential depending on people's living environment.

"People have these genes that have the potential for them to learn and thrive ... but because they're living in impoverished situations, they're not able to make use of those genetic potentials they have and they're just not realizing them," Tucker-Drob said.

A similar result is found when looking at the genetic relationship by age, Tucker-Drob said.

"At first they're dormant — the kids have them, but they just haven't become active and eventually what happens once when the kids are about 10 years old is that the genes are all turned on," Tucker-Drob said.

Briley and Tucker-Drob worked on another project, where they found cognitive ability links more with genetic differences in people as they age.

"Our results indicate that in the very early stages of a child's life, this increase in genetic influences can primarily be attributable to 'novel' genetic effects," Briley said. "This could mean that certain genes are 'turned on' at specific developmental periods or that as children transition into new environments genetic influences that previously were unimportant become important."

According to Briley, one explanation for the transition is that children gain more control over their academic choices as they age.

Briley and Tucker-Drob used meta-analysis — which combines data from multiple studies — to analyze the genetic cognition relationship. A portion of this data came from research done with the Texas Twin Project, which Tucker-Drob and Harden direct. Both studies involve the hotly-debated topic of nature versus nurture, according to Tucker-Drob.

"The goal of this research isn't to try to take a side in the nature-nurture debate — it's actually to try to reconcile things so we can look at how genes and environments work together," Tucker-Drob said.

Frank Mann, a graduate student who works with Tucker-Drob, said he finds this research helpful.

"It's not nature versus nurture; it's nature and nurture working in concert together," Mann said. "I think it's fascinating research. It provides a useful tool that can add degree of nuisance to understand a variety of developmental processes."

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COLUMN

Online courses are a raw deal

By Mukund Rathi
Daily Texan Columnist
@TexanEditorial

As a computer science major, I am aware of the ever-increasing and potentially beneficial impact of technological innovation on society. Take education — students have access to a staggering amount of information and material through laptops and computer labs, online academic journal databases and forums like Piazza and Canvas. Most students actively use these resources — it would be foolish not to. In these cases, technological innovation means opportunities for advancement. In other cases, though, technological innovation means excuses for devolution.

Recently, UT unveiled a “synchronous massive online course” (SMOC) program that provides both UT-students and non-UT students access to an online course for a several-hundred dollar fee. The program was touted as a way to retain the benefits of in-class learning while bringing those benefits to the masses. However, the “masses” didn’t exactly show up: Fewer than 40 non-UT students signed up as of the first full week of classes. It’s worth taking a step back and asking the question: What’s the purpose of SMOCs, or online education in general?

The main argument is that it is cheaper, because technology makes it easier to bring lectures and other course material to a wider audience. But there is a hidden assumption in this argument which is almost always taken for granted by our higher education leaders: that the quality of online education is sufficient to even be worth the cost.

In July, San Jose State University decided to halt its project with online course provider Udacity because two-thirds of the students enrolled in those online classes failed them. In contrast, the non-online versions of the course averaged at about two-thirds passing. The courses were Elementary Statistics, College Algebra and Entry-Level Math.

As another example, a five-year study issued in 2011 by Columbia University’s Community College Research Center tracked 51,000 students enrolled in Washington State technical and community colleges. It found a correlation between online course enrollment and failure to earn a degree or transfer to four-year colleges.

The reasons for both of these failures are

quite simple, and have been consistently cited by critics of online education schemes. The impersonality and lack of interaction in these online courses make learning and even passing far more difficult, especially for struggling students — having a teacher physically present to answer your questions and work through things with the class makes the difference.

On that note, it’s worth differentiating between “learning” and “passing,” because that’s a distinction that the “innovators” in higher education often blur. Transferring courses like Entry-Level Math to the online realm supposedly simplifies the way students acquire knowledge. But why “simplify” the process of learning? Having basic math skills is important enough to spend time on. If we think (as the “innovators” seem to) that education is simply about getting the credits to get the degree and then join the workforce, then we should simplify away. It’s the same simplification that comes about in the push for more high-stakes testing, which conflates multiple-choice questions and grades with the struggle and reward of acquiring actual knowledge.

The immediate counter-argument is that despite online education’s lesser quality, it is a necessary evil in light of the need to save money. The issue with this argument is that the cost of something can only be deemed appropriate when compared to its value. The value of online education is unproven: Examples like San Jose State and the Columbia University report showing the high failing rates of students in online courses point out online education’s deficiencies. It is irresponsible to invest large sums of money in programs of dubious quality, but disturbingly, that did not stop the UT System Board of Regents from paying out \$5 million to partner with online education platform edX last year. The lesser cost of online education is often brought up, but large, undependable investments are as impractical as it gets.

The so-called “innovations” of online education — MOOCs, i>clickers, the flipped classroom, and so on — provide a false choice between quality and cost. These are not innovations. They are excuses for risky spending that pass over the question of educational quality.

Rathi is a computer science honors sophomore from Austin.

COLUMN



Pu Ying Huang / Daily Texan Staff

Regnerus talks, but not in U.S.

By Travis Knoll
Daily Texan Columnist
@tknoll209k

UT sociology professor Mark Regnerus, the author of a controversial gay parenting study allegedly showing that children of same-sex parents are damaged as a result, spoke this weekend on a panel put on by the Religious Newswriters Association in which he called for “greater civility” in discussing gay marriage, acknowledging parenting studies like his will not “solve national and global debates” surrounding the issue.

These level-headed and uncontroversial comments are surprising, considering Regnerus’ signed an amicus brief supporting the plaintiffs in the Supreme Court case which overturned California’s anti-gay marriage Proposition 8.

Moreover, in recent months, Regnerus has inserted himself into the international debate regarding same-sex parenting in a decidedly political way, raising important questions about his complicity in the ways in which his study is being used to limit LGBTQ rights.

Initially, I defended Regnerus’ right to fight for his flawed study in the academic sphere. However, it’s clear to me now that assuming good faith was a naïve mistake. I was wrong: Regnerus has not been irresponsibly silent. At best, he has been reckless in his promotion of his work without regard to the fallout. At worst, he is aware and doesn’t mind.

In February of this year, Regnerus gave an interview to a Russian language news agency in Ukraine. The homophobic article that resulted cites “shocking” evidence from a “reputable university” (ours) showing inferior results for children of same-sex parenting. The reporter asked Regnerus about a September 2012 investigation into whether Regnerus breached ethics standards in his research protocol. The article claims that not only did the University say that Regnerus did nothing wrong, which is true, but that UT has allegedly tested the methodology and confirmed that the research is of high quality. Actually, the University has not taken a position on the quality of the study.

In the Q-and-A, Regnerus explains the University’s ruling on the ethics allegations. He restates that his data is accurate and accessible. The article ends by saying the study shows “the

tragic consequences” of gay parenting.

While Regnerus’ responses themselves are no different from what he has told this newspaper, Vse Novosti is not The Daily Texan. Regnerus gave this interview in a Russian-language news outlet shortly after the State Department expressed its concern about the “discriminatory” anti-gay laws then being debated there, laws that were later passed.

Adding cowardice to irresponsibility, Regnerus still told The Dallas Morning News in June that he could not police ideological uses of his study. Regnerus’ Vse Novosti interview seems even more reckless in hindsight as his study was later used by Russian lawmaker Andrei Zhuravlyov to advance a bill that would allow the removal of children from same-sex households.

A few weeks ago Regnerus spoke out against Zhuravlyov’s bill, and I applaud him for that. But in the same column, Regnerus defended his foray into the political sphere based on his personal opposition to gay marriage. Zhuravlyov’s bill had not come up when Regnerus gave his interview. However, are we to believe that Regnerus was not aware of Russia’s general situation when he chose to respond to the Russian language outlet even as he declined to be interviewed by The New York Times?

University documents show that the Office of Public Affairs collaborated with Regnerus on the initial press release for the NFSS study. They highlighted the sensitivity of the study and reminded him of the expected negative reaction to the research. Given the risks to the University’s and his co-researchers’ reputations, why didn’t Regnerus steer clear of high-profile political debates his study doesn’t address? Regnerus claims that he is merely an objective scientist, but in the last year he has acted more like a political hack than an intellectual responsibly using his position.

Perhaps the newest Russian initiative to remove children from the homes of same-sex couples has taught Regnerus the risks of inserting himself into complex cultural and legal debates. If so, Regnerus should admit his role in politicizing the study and apologize for contributing to its misuse. If not, the University community should call him to account for his irresponsibility.

Knoll is a first-year master’s student in Latin American studies from Dallas.

COLUMN

Sex columns more than smut

By Larisa Manescu
Daily Texan Columnist
@LarisaManescu

The Daily Texan’s sex column series just turned one month old, and as expected, it’s already received some backlash.

It’s a bit cheesy, and the comical, vulgar nature of the writing has offended some and will continue to do so. On social media, I’ve seen replies to the columns from the Texan’s account that mourn the desperate direction the Texan has taken and criticize the paper for contributing to the “decline of journalism.” (Full disclosure: since the sex columns are handled through our Life & Arts department, I had no part in writing, editing or coming up with the ideas for the columns. I read them for the first time when they appeared on the Texan’s website).

Whether people personally like the sex column series or not cannot be changed; some people may never wrap their heads around the idea that a newspaper can simultaneously produce enterprising journalism and a sex column, or that the two types of work are both of value.

However, if the purpose of the sex column extends beyond attracting attention, to the promotion of open and honest conversations about sex, it can be nothing but a social good for our University.

Having a column where four anonymous writers of varying sexual orientations and experiences talk about a weekly topic, ranging from first kisses to masturbation, is beneficial to a college population because it desensitizes taboo topics and embraces the diversity of sexual history and preferences. By including everyone in the conversation, and narrating the real version of how sex plays out instead of the idolized one seen in the media, students can make sense of their own sexual encounters and questions. This freedom of expression about sex is like a breath of fresh air to college students in Texas.

It’s a known fact that Texas in particular does poorly when it comes to providing high school students with objective information on sexual

education. In 2004, the State Board of Education approved controversial health textbooks that mentioned no methods of contraception other than avoiding sex altogether. Unsurprisingly, Texas has the highest percentage of teenage pregnancies in the nation. It is no stretch to assume that Texas’ abstinence-only approach to sex education has failed, because putting so much emphasis on purity leaves Texas students with little knowledge of what to do to stay safe.

The University, however, has substantial resources on sexual education and health. University Health Services offers free peer-led workshops on sexual health. The Voices against Violence organization covers the darker side of sex, offering interactive performances such as Get Sexy, Get Consent, to help students recognize the signs of an abusive relationship and the rules of consent. Any UT student can organize a free performance for their extracurricular group with two to three weeks’ notice. In addition, The Gender and Sexuality Center is a well-known institution that serves the interests of women and the LGBTQ community at UT. They provide both a mentor program and walk-in advising.

However, many students — due to time constraints, disinterest or other reasons — don’t go out of their way to attend available seminars, classes or productions.

Which is why the Texan’s sex columns, vulgar though they may sometimes be, are crucially important. A column in the school newspaper is a public forum, at the tip of students’ fingers both tangibly and over the Web. It’s easy, effortless and takes less than five minutes to read. And they will read them: the columns are consistently some of the most-trafficked stories on the Texan’s site.

A sex column can’t be credited with making monumental positive changes to public health. However, it is a medium that may inspire students to do their own personal research, see STD/STI screening as a common and often necessary precaution, and to be more assertive about what they want sexually.

Manescu is a journalism and international relations junior from Ploiesti, Romania.

HORNS DOWN: EVERY TIME WE TURN AROUND...



Student loan default rates have grown for the sixth year in a row, according to data released by the U.S. Department of Education on Monday. The two-year default rate has increased from 9.1 percent to 10 percent, and the three-year default rate has increased from 13.5 percent to 14.7 percent. This is no surprise, as the time needed for young workers to reach financial self-sufficiency has increased along with soaring tuition rates.

HORNS UP: BETTER WEATHER TO COME



There’s no federal government, the seas continue to rise and the world’s bees are still mysteriously disappearing, but right now in Austin, at least the heat’s finally starting to break. And it’ll only get better from here. The Weather Channel forecasts highs of 77 and 73 degrees for the weekend — just in time for ACL.

HORNS DOWN: TOMMY WILLIAMS LEAVING THE TEXAS SENATE



The Texas Tribune on Wednesday announced that State Senator Tommy Williams, (R-The Woodlands), was resigning from the Senate. Williams’ valiant work as the chair of the powerful Finance committee earned him a spot on Texas Monthly’s “Best Legislators” list last session. Though we disagree with Williams on some issues, we admire him as a lawmaker and negotiator and are sad to see him go.

CAMPUS

QSA hosts domestic violence seminar

By Anna Daugherty
@Daughertyanna

UT's Queer Students Alliance began National Domestic Violence Awareness Month with a seminar focusing on defining healthy relationships Wednesday.

"No two relationships look the same, so domestic violence can be difficult to define, but it comes down to power and control," said Erin Burrows, health education coordinator for Voices Against Violence, who led the presentation. "Domestic violence comes down to anytime you feel afraid of your partner, no matter the cause."

About 40 students worked in groups to answer questions such as, "What does healthy communication look/sound like?" and "How do you take care of yourself in a relationship?"

English senior Tianhe "Zen" Ren, vice director of the alliance, said the goal of the event was to raise awareness about domestic violence within the LGBTQ community.

"A lot of domestic violence awareness focuses on heteronormative relationships," Ren said. "We have to learn to recognize the signs of violence in LGBTQ relationships as well."

Burrows said domestic violence within LGBTQ relationships can be difficult to define.



Aaron Berecka / Daily Texan Staff

QSA Member Devon Howard helps run Wednesday's workshop on maintaining healthy relationships. The workshop was administered by Erin Vav, who regularly speaks on the topic and relationship health in the LGBTQ community.

"Especially if someone hasn't come out to their family yet, their partner may use their sexual orientation against them with homophobia, transphobia, etc.," she said.

Burrows said physical or sexual violence is "just the tip" of the domestic violence iceberg, while verbal and emotional abuse often go unseen.

Ren said one step to reducing domestic violence

would be to have more allies within the LGBTQ community promoting education and awareness.

"People feel uncomfortable coming to the Gender Studies Center or to QSA meetings because they feel others will assume they're LGBTQ," she said. "We just want more people to be aware and become allies for students who are LGBTQ."

The group's treasurer Rogelio Meza said an ally is anyone who personally supports the LGBTQ community.

"We want to educate people and bring awareness to the community," Meza said. "It makes me happy to see non-LGBTQ students at our meetings supporting us and being willing to learn more."

Meza said support is about

more than just acceptance — it also means becoming more educated. He said sex education in schools often focuses only on heterosexual relationships.

"We want to bring LGBTQ awareness to the general populace as well as to LGBTQ students themselves," he said. "Not everyone is the same and that's a beautiful thing."

SCIENCE & TECHNOLOGY

Professors embrace social media in classrooms

By Cinnamon Cornell
@CinnamonCornell

A few years ago, having Twitter or Facebook open during class was a sure sign a student was distracted — but as social media becomes more popular, many professors have embraced the sites and integrated them into their own curriculums.

UT professors from a range of colleges discussed methods through which they integrate social media into their classrooms in order to promote collaborative learning. The professors said social media sites including Twitter, Facebook and hoot.me establish links between students and professors.

Associate English professor Elizabeth Richmond-Garza said she focuses on the different ways people present themselves in person and online and hopes her students understand the importance of representing themselves honestly.

"The discipline of Twitter is what I am interested in them understanding," Richmond-Garza said. "I teach [the concept of] double lives, and social media [has created] a virtual life for my



Wanda Cash, a journalism professor and associate director of the College of Communication, discusses the value of creating Facebook groups for students to engage with one another.

Ethan Oblak
Daily Texan Staff

students. Twitter is a double life through verbalization."

Richmond-Garza said she puts her teaching material on one screen and a Twitter feed on another, allowing students to comment and ask questions via Twitter in real time.

"I have learned you must be interactive with social media for it to work successfully," Richmond-Garza said.

Wanda Cash, a journalism

professor and associate director of the College of Communication, said Twitter and Facebook provide valuable storytelling tools, an idea she emphasizes with her journalism students. Cash said students must have Twitter accounts, which they are allowed to use in class.

"I require a Twitter account and take a grade on it, so I know students are being interactive," Cash said.

"Students can go back and see what classmates and professors have to say about specific topics."

Clinton Tuttle, a UT extension instructor in the business school, uses hoot.me, a Facebook application that allows students in a class to connect without "friending" each other, to make his large classes seem more intimate.

Anne Braseby, a faculty development specialist in

the Center for Teaching and Learning, said social media will become even more relevant to students as it is integrated directly into Canvas and Blackboard, two online course information sites.

"This is relevant to students, if the faculty decide to use this method and encourage [and] maybe even reward students for using social media to learn collaboratively," Braseby said.

SCIENCE & TECHNOLOGY

Costa Rican singing mice subject of research

By Wynne Davis
@wynneelynn

Two species of mice found in the mountains of Central America sing to mark their territory, according to a new study by UT researchers.

This finding came after postdoctoral student Bret Pasch researched two species of mice — the Alston singing mice and their cousins, the Chiriqui — and wrote his dissertation under associate biology professor Steven Phelps.

Pasch first became interested in the mice in 1999 while taking a tropical biology course in Costa Rica.

"I listened for the mice in the forest and caught a few," Pasch said. "I have been returning on-and-off to study them ever since."

Pasch worked with Phelps, who began to study the

singing mice 10 years ago when he first came upon them in a field guide of mammals in Central America.

"I was looking for a species that I could study that showed interesting variation in their social behavior... [so] I could use neurobiological and genetic methods with to understand the evolution of that behavior in detail," Phelps said.

According to Pasch, the results of this study suggest a wider understanding of the geographical boundaries the mice inhabit.

"Our findings provide new insight into the role of vocal communication in shaping the geographic distributions of animals," Pasch said. "Because closely related species often share similar ecological requirements — eating similar foods and living in similar places — as well as similar

means of communication, the researchers suggest interspecific communication will be a common contributor to natural range boundaries."

The Alston and Chiriqui mice sound like small birds during their song, according to Phelps.

"Songs consist of a set of rapidly repeated notes, called trills," Pasch said in a statement. "Notes are produced each time an animal opens and closes its tiny mouth, roughly 15 times per second."

Pasch conducted a significant amount of independent field work before coming to a conclusion for his dissertation. Phelps said the combined field work is an impressive look at how animals behave in their natural environments.

The relationship Pasch found between the mice's singing and the geographical

““

Our findings provide new insight into the role of vocal communication in shaping the geographic distributions of animals.

—Bret Pasch,
postdoctoral student

boundaries are not the end of the Phelps' lab studies on singing mice.

"The next step for us is to understand whether the behaviors responses the mice show are learned or whether they're evolution adaptations," said Phelps. "And on top of that, I would like to know how the brain is processing those different signals."

NEWS BRIEFLY

UT drops in world university rankings

UT has fallen out of the top 25 world universities, according to the Times Higher Education World University Rankings released Wednesday.

The University dropped to 27th in the 2013-14 rankings. In the 2012-13 rankings, UT tied for 25th with the Georgia Institute of Technology.

The University's overall score also dropped by 6.6 points to 72.2 out of 100 possible points. Times Higher Education rankings score universities by looking at 13 different categories including teaching, research, citations in academic research, international outlook and industry income.

UT spokesman Gary Susswein said the University's ranking did not change significantly.

"It was a minimal drop," Susswein said. "The bottom line is we continue to rank in the top tier of universities around the world."

Susswein said UT ranked fifth among American public universities as it did last year. The University of California-Berkeley, University of California-Los Angeles, University of Michigan-Ann Arbor and the University of Washington ranked higher than UT in that category.

The California Institute of Technology placed first in this year's rankings.

In September, UT dropped six places from 46th to 52nd in U.S. News and World Report's 2014 national universities rankings.

—Jacob Kerr

UC Berkeley honors President Powers

President William Powers Jr. was named the University of California at Berkeley's Alumnus of the year for 2014.

Powers received his undergraduate chemistry degree at UC-Berkeley in 1967.

According to UC-Berkeley's website, Powers was honored with the position for his experience in the U.S. Navy, managing editor of the Harvard Law Review, legal consultant to the U.S. Congress and the Brazilian legislature, as well as his role as UT president.

"As president, Powers has made great progress in transforming UT into one of the finest public research universities in the nation," the statement said. "He has strengthened the undergraduate core curriculum, inaugurated the School of Undergraduate Studies and aggressively recruited a diverse student body and faculty."

Powers joins various UC-Berkeley professors holding the Alumnus of the Year title.

—Christine Ayala



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VOLLEYBALL

Horns cage Bears in Waco

By Matt Warden
@TheMattWarden5

WACO — In front of a packed house of just more than 3,000 fans — the most ever for a Baylor volleyball game — at Waco's Ferrell Center, No. 4 Texas had to fight to earn its third-consecutive Big 12 victory 3-1.

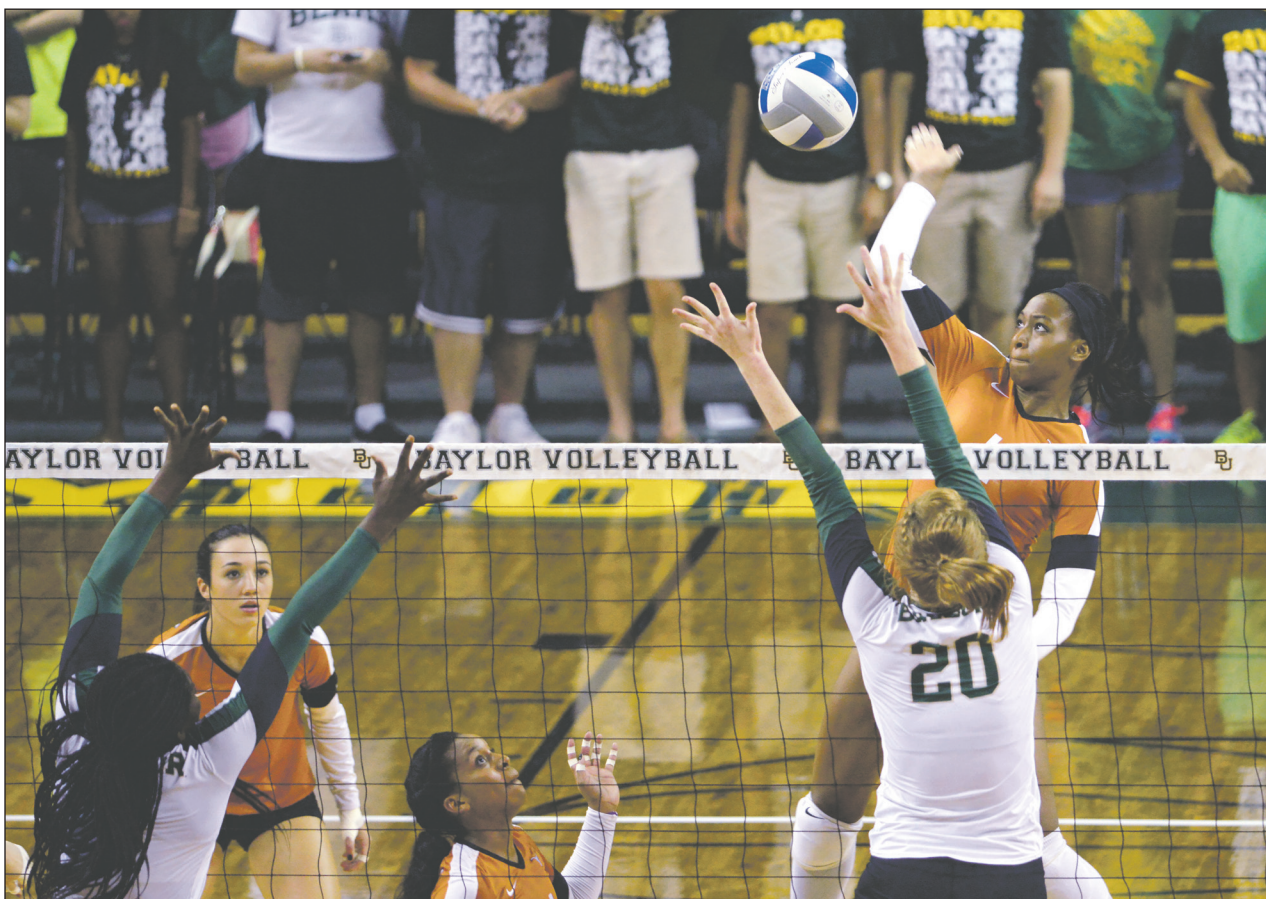
The Longhorns (9-2, 3-0 Big 12) opened up the game strong with a dominant first set on both sides of the net. Sophomore middle blocker Molly McCage tallied a team-high four kills on just six attempts while Texas outhit Baylor .400-.094 en route to a 25-17 Game 1 win.

Despite the dominance, Texas allowed Baylor to make the opening set closer than it actually was, committing a few late errors before eventually snagging the game. The sloppy play carried over to the start of the second frame as Baylor jumped out to a commanding 13-9 lead.

"We just weren't managing our game, and we've got to make better decisions as far as good swings versus bad swings," head coach Jerritt Elliott said.

With the momentum heavily on the Bears' side, Texas dug deep to secure an 11-2 run led by four service aces from junior outside hitter Haley Eckerman. Baylor responded with a 5-0 run of its own but Texas held on for a 25-21 set win.

After falling behind early in the third frame 9-4, the



Charlie Pearce / Daily Texan Staff

Freshman middle blocker Chiaka Ogbogu goes for a kill in Texas' four-set win against Baylor Wednesday night. Ogbogu notched 10 kills in the Longhorns' win, played in front of the largest Bear crowd in program history.

Longhorns rallied to tie the game at 13. The end of the set was a back and forth battle but Baylor closed it on a 4-1 run to capture a 25-23 win.

"I think in the third sets we usually get a little relaxed and teams tend to come back and want to win that set," freshman middle blocker Chiaka Ogbogu said. "We played at the same level in the second set, but they just had a little more intensity."

Texas wasted no time establishing the tempo in the fourth set, jumping out to a 14-9 lead before a 7-4 run made it 21-14. The Bears did their best to push Texas to the brink and a fifth set, but the Longhorns proved too much taking the set 25-19.

"The third set was probably one of our worst all season," Elliott said. "I thought they rose to the challenge and they competed, and that's part of the game. It's unfortunate, but

you have to be perfect on both sides of the ball."

Eckerman led Texas with 15 kills as Texas outhit Baylor .299-.211 in the contest and won the block battle 11-7. Ogbogu continued her clutch play as she notched 10 total kills including three in the final set.

"I know how good of a team we are and our opponents especially do," Ogbogu said. "We had already won two sets so I felt like I

had to come in and be really confident and keep swinging knowing my setters were gonna trust me."

With a 3-0 start in conference play, the battle-tested Longhorns will take on LSU on Saturday afternoon in Baton Rouge.

"We just need to stay consistent," Elliott said. "But I think we're doing things better for longer stretches of time than we've done earlier in the season."

SIDELINE

MLB



NHL



TOP TWEET

Peter Jinkens
@RIPS_SHIRT_OFF

"Idk but Iowa doesn't sound like an exciting state... Just saying it make me feel lame... Iowa..."

MEN'S CROSS COUNTRY



Marshall Nolen / Daily Texan Staff

Austin Roth only ran six cross country races his first three years at Texas, but the senior is fully committed to the sport in 2013 and to leading his team outdoors.

Former indoor distance runner Roth excels outdoors, leads UT

By Nick Castillo
@NCHammer74

The sun has not yet dawned, but it's 5:45 a.m., and the buzzing of the alarm clock indicates to senior cross country runner Austin Roth it's time to begin the daily grind.

Roth and the cross country team begin their practice at 6:30 a.m. and practice for about two hours. After practice, Roth goes through stretching, class and repeats it again the next day.

"I have to remind myself that there are results to be had," Roth said. "None of us would put in all this work if there weren't great results. For us we put in all this work to win a championship or a race." Roth has had success competing in indoor and outdoor track. During his sophomore and junior years, he qualified for the NCAA West Preliminaries and received All-Big 12 honors in the 3,000-meter outdoor steeplechase. Roth also had success running in 3,000-meter and 1,500-

meter indoor track events. During his first three years on the 40 Acres, Roth has only competed in six cross country events. But this season, he decided to return full-time to cross country.

As a senior, this is Roth's last chance to run as a Longhorn and to help his teammates.

"It was important — especially after my last two seasons where I didn't complete the seasons — to comeback and give it one last shot," Roth said. "We have a really solid team this year. I just wanted to get the most out of the last chance I have."

And Roth is doing just that by being a leader on the team. As senior member of the cross country team, Roth feels that it is important to mentor his teammates.

"I try to be as much of a leader as I can but I also try to help the guys who are going to be carrying the Texas legacy into the future," Roth said.

Roth has had a great start to his season, he has two

top-five finishes and won the Ricardo Romo Classic in San Antonio.

Unfortunately, winning has eluded him as he has only won two events during his collegiate career, though he stressed the importance of team success.

"Ultimately, I would rather finish fifth in a race with all my teammates around me," said Roth. "It's a lot better than to just be with your teammates coming through the line."

“Ultimately, I would rather finish fifth in a race with all my teammates around me. It's a lot better than to just be with your teammates coming through the line.”

—Austin Roth, senior cross country runner

FOOTBALL | COLUMN

Saturdays shut down after government closes

By Joe Capraro
Daily Texan Columnist
@joecapraro

Monday's federal government shutdown came with a long list of service disruptions, including closures of all the national parks, monuments and any other facilities or services deemed "non-essential." While it's certainly not critical to the functioning of the republic, one unexpected casualty has been college athletics.

Travel budgets have been frozen for athletics at the service academies and Navy has already had to cancel Tuesday's soccer game against Howard University. Two of this weekend's scheduled college football games are now in jeopardy: Air Force at Navy and Army at Boston College.

Navy is in a favorable position here, as it funds its athletic programs through ticket sales, concessions and licensing. Army and Air Force use government funds for athletics, and so are in less control of their own spending. Boston College has offered to pay for Army's travel to this Saturday's game, and Navy has done the same for Air Force.

Of course, neither of these brotherly acts are at all altruistic: The admirals at the Naval Academy and the Jesuit brothers at Boston College all know quite well the value of a home football date in comparison to the

cost of a chartered plane.

The U.S. Department of Defense is expected to announce Thursday whether Army's players are allowed to get on a bus to Boston, and a Pentagon spokesman speculated Wednesday as to whether concession proceeds from the Naval Academy football program could be used to fund travel for the remainder of their season.

It is difficult to determine what is more bothersome — that the soccer season at Navy was in jeopardy because of Congress' obstinacy or that the nation's military leaders have been scrambling for three days to arrange funding for a football game. Once again, the needs and well-being of student-athletes seem to be a peripheral consideration at best.

The administrations at the academies aren't at fault here. Like the rangers at Yellowstone National Park or docents at the Smithsonian Institution, they are victims of out-of-touch decision-making and a business climate where public relations tend to wash out truth and common sense.

This weekend's games will probably be saved. But for the athletes at the service academies have been left in a week of limbo, not knowing if the practices they're slogging through all afternoon will be for an inter-squad scrimmage or one of the biggest games on their schedule.

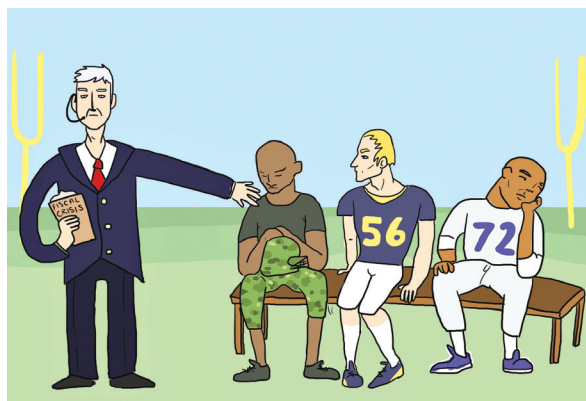


Illustration by Ploy Buraparate / Daily Texan Staff

SPORTS BRIEFLY

Dalton out for season due to hip issues

The Longhorns will be without sophomore utility player Nicole Dalton for the remainder of the 2013 season.

The Parker, Colo. native had surgery to repair her injured left hip on Sept. 30 and will be forced to red-shirt as a result.

"Nicole is a valuable and instrumental member of our program," head coach Jerritt Elliott said in a statement. "She is the ultimate competitor and an amazing young woman that we are lucky to have in our program. We will be right there with her each step of the way and I can't wait to see her leadership on the court in 2014."

Dalton had 14 starts in 31 matches as a freshman in 2012. In that time, she recorded 35 kills while hitting .206 with 171 assists, three aces 184 digs, 32 blocks and 56.5 points.

—Stefan Scrafield

Texas QB Ash to miss Iowa State with injury

Texas medical staff says junior quarterback Davis Ash won't play Thursday night against Iowa State because of a head injury.

Senior Case McCoy will start for the Longhorns (2-2) against the Cyclones (1-2).

Ash has missed part or all of Texas' previous three games after being injured in the second half of a loss at BYU on Sept. 7. He missed Texas' loss to Mississippi the next week with concussion-like symptoms and was told to stay away that night to avoid the crowds and lights of the stadium.

Ash returned to play the first half of Texas' win over Kansas State on Sept. 21. He didn't return for the second half and the school announced he was being evaluated for a head injury.

—Associated Press

SOCCER

Potent attack, balance leading Longhorns

By Brittany Lamas
@brittany_lamas

Texas women's soccer will hit the road to play West Virginia in Morgantown, W.Va., and Kansas in Lawrence, Kan., coming off its first Big 12 Conference wins at home last weekend.

Texas beat TCU on Friday and Iowa State on Sunday to improve to an 8-3-1 record on the season, marking a four game winning streak. The team's last loss came on the road to Colorado College.

Since the loss, Texas has outscored its opponents 11-1 and so far this season it has seen 11 different players ranging from freshman forwards to the sophomore goalkeeper score a goal and 16 players record either an assist or goal.

"It takes a little bit of pressure off of each player and it certainly makes it hard to defend us," head coach Angela Kelly said. "We're going to need to be battle tested and we're going to need every single one of us to be plugged in."

Of the 11 players who scored, six have scored multiple goals. In 2012,

only nine different players scored for the entire season. Sophomore forward Kelsey Shimmick and junior defender Brooke Gilbert lead the team with four goals apiece, followed by sophomore midfielder Chantale Campbell with three.

The Mountaineers hold an 8-2-2 record and also head into the matchup on a four-game winning streak and an undefeated mark in Big 12 play, having beat Oklahoma State and Baylor in their last outings. The win against Baylor broke up a 31-game win streak for the Bears. Since joining the conference last year, West Virginia has yet to lose a Big 12 regular season game.

"I've competed against West Virginia my whole career, especially at Tennessee and I have a ton of respect for their coaching staff and for their style of play," Kelly said after the Iowa State win. "It's a great environment in Morgantown. This is like an NCAA first or second round game to me. We're ultimately here to win championships, so we need a little bit of that seasoning and we're going to get it."

Kansas will play TCU



Joe Capraro / Daily Texan Staff

Sophomore midfielder Lindsey Meyer defends against TCU Friday night in a 2-0 Longhorn win. The Longhorn offense is paced by a balanced attack, as 11 different players have scored for Texas this season and 16 have notched a point.

at home Sunday after taking on Texas on Friday. Going into the weekend, the Jayhawks have a 5-5-1

record, and are coming off a loss to Santa Clara. The Jawhawks will open conference play against the teams

from Texas. "It's one game at time," Kelly said. "It's still very early in the conference sea-

son and we can't ever look past an opponent and we've been taking it one game at a time."

MEN'S SWIMMING & DIVING

Orange-White meet has pick-up feel for Longhorns

By Ashton Moore
@ashton_less

Texas men's swimming and diving team jumped back in the pool last Thursday for its annual Orange-White meet. This normally friendly scrimmage featured a new aspect that looked to reinforce the team's mantra of competition. Like a game of pick up, Texas' seniors were given the responsibility of selecting the swimmers on their teams.

As the last meet rolled around, it became clear the orange and white teams were separated in the standings by less than 10 points.

As the anchor legs began their final lap, chants of, "Go" and, "Finish Strong!" erupted from the teams and were echoed throughout the complex by spectators. The white team came out victorious on paper 161.5 to 158.5, but as head coach Eddie Reese addressed his team, the focus shifted away from who won

and who lost.

"One of the best meets I've seen," Reese said. "We got the best out of everybody today. Seniors put together great line-ups and it's exciting but there's a lot of hard work ahead."

The meet was Reese's first opportunity to see his freshmen in a competition and they didn't disappoint. Freshman Michael Hixon claimed the one-meter diving event, fresh off an appearance at the FINA World Championship.

"The freshmen know it's about swimming the entire distance," Reese said. "Not just to the wall, but through the wall. To do well we must be a team from the first swimmer to the last."

The meet saw notable performances from junior Clay Youngquist, sophomore Sam Lewis and freshman Will Licon, who all posted two wins a piece in events for the white team.

After the meet, Youngquist was pleased with the

“The freshmen know it's about swimming the entire distance. To do well we must be a team from the first swimmer to the last.”

—Eddie Reese, men's swimming & diving head coach

performances of some of his younger teammates.

"We saw what our freshman class was made of and they put up some good numbers," Youngquist said.

Despite their promise, team coaches and veterans know the freshmen will need leadership to set the precedents of hard work in the coming months. Leadership will need to come from veterans such as junior diver Will Chandler who also performed well in his fourth Orange-White meet.



Thomas Allison / Daily Texan file photo

Texas swimmers sing The Eyes of Texas after an event in 2011. The team kicked off the 2013 season last Thursday with its annual Orange-White meet.

"They ask me questions all the time and I just try and give them the best answers," Chandler said.

The Longhorns open their season at home against North Carolina on Oct. 17. The team may be coming off

its 34th consecutive Big 12 title, but at Texas, only the National Championship banners are hung from the rafters.

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WONDERWORD

HOW TO PLAY: All the words listed below appear in the puzzle — horizontally, vertically, diagonally, even backward. Find them and **CIRCLE THEIR LETTERS ONLY. DO NOT CIRCLE THE WORD.** The leftover letters spell the Wonderword.

ZUCCHINI

D S R W E T S E F S H N T B E
E E L E M L K T A O T O C R S
F I D I W A B U E A O O O A R
F T G D C O C A R A O D O I E
U T R N E E L R T D M L K S T
T A A O P R A F S E S E E E T
S P T R U G H K D I G S D S I
D B I A O S I S E R C E O G R
E R N N S N N D E F R U V R F
L E N G T H W I S E F O B E H
G A C E R O K L F F K O U E A
N D G I L I I L L F I A R N D
A A A L H J L E L L U B B P D
S U E R U G S L E S S M A J S
R Y A T K P I D E S S E R T S

By **DAVID OUELLET**

Solution: 7 letters

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Adds, Angled, Bake, Boiled, Braises, Bread, Cooked, Cubed, Dark, Desserts, Dill, Dip, Flower, Food, Fried, Fritters, Gratin, Green, Grill, Herbs, Jams, Juice, Lengthwise, Light, Muffins, Noodles, Orange, Pancake, Patties, Round, Sage, Sauce, Seeds, Shredded, Silk, Skin, Slice, Smooth, Souffles, Soup, Steamed, Stew, Stuffed, Tarragon, Vegetable, Yellow Yesterday's Answer: Time-off
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SCIENCE & TECHNOLOGY

Atomic marvels and mysteries



By Robert Starr
@robertkstarr

Atoms are small. Very small. If all 7 billion people on earth were the size of a hydrogen atom, and they all hugged each other tightly to form a giant ball, that ball would still only be about 1 billionth the size of a grain of sand.

And the parts that make up atoms are much smaller than even that. In fact, the hydrogen atom is about a billion times larger than the proton at its center.

And electrons? If they do have a definite size — which they probably don't — it's less than one thousandth the size of a proton.

Atoms make up everything, but they're mostly empty space. Everything we see, hear and feel is, on an atomic scale, an illusion. When you're looking at your cat, you're not looking at her, you're looking at the photons of light that her fur scattered back into your eye. When you hear her purr, what you're hearing is a wave of vibrating particles traveling from her mouth to your ear. And when you rub your hand against her back, you're not actually touching anything, but you feel the repulsive forces of your mutual outer electrons. You may even pick up a few extra electrons in the process, only to lose them again in a shock the next time you touch a door handle.

And that's not even the weirdest part of the world of the small.

The physics of the subatomic world, referred to as

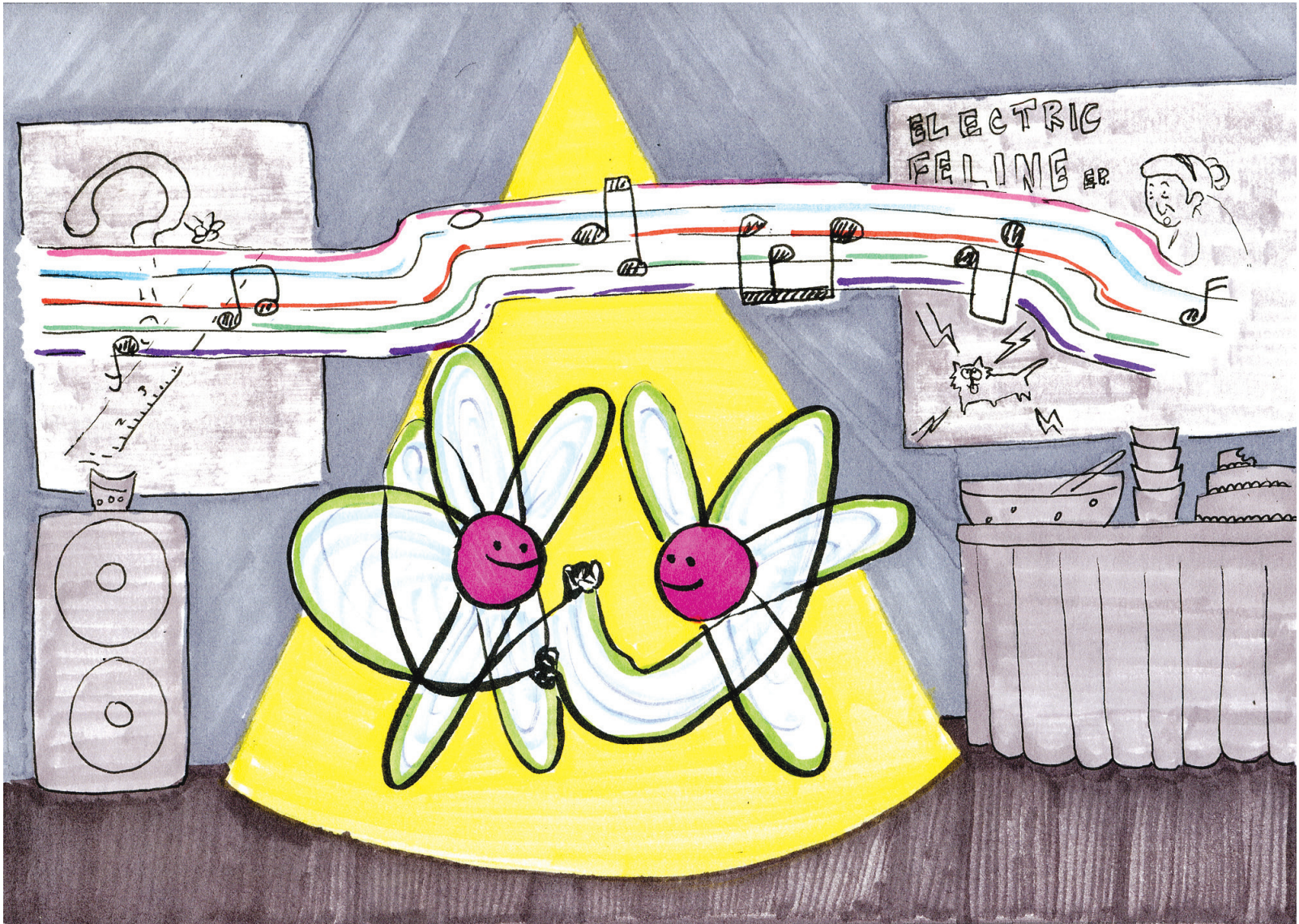


Illustration by Ploy Buraparate / Daily Texan Staff

quantum mechanics, represents a major departure from the world that we inhabit. Even the concept of measurement doesn't apply in the same way that it does in our more conventional "classical world."

This comes down to Bell's Theorem, which says that for the predictions of quantum mechanics to work, there can't be any "hidden" variables.

To get an idea of how this works, electrons have a quality called spin, which can be "spin up" or "spin down."

What is spin? We're not exactly sure, but it affects the direction that an electron moves when placed in a magnetic field.

So let's send 100 electrons through a spin detector. We will measure some as spin up and the rest as spin down.

Send them through again and the detector should spit out the exact same results.

These measurements depend on the orientation of the magnetic field. If you rotate the field 10 degrees or so, the results might change slightly: One electron will probably have the opposite spin as what it had before.

Rotate the device another 10 degrees, for a total of 20 away from the initial position, and through symmetry, we should see the same effect. One of the electrons from the previous result should have the opposite spin. It could

be the electron that switched before — in which case we'd be back to the same result as the original measurement. More likely though, it would be a different one, in which case 98 of the 100 electrons should have the same value as they did initially.

But what if we start over, measure the 100 electrons from scratch, and then rotate the device 20 degrees before taking a second measurement?

Intuition tells us that we should get the same result: Ninety eight or more of the electrons should return the same value. But quantum mechanical predictions and measurements indicate that the actual value is only 97.

In other words, measuring with that 10 degree alignment somehow messed with the spin of our electrons. But that's not quite right. It didn't "mess" with the results; it created new results. Neither experiment gives the correct values of the spin because there is no definite value of the spin — at least not before it's measured.

If this seems confusing, that's because it is. Even those who devote their lives to quantum mechanics don't understand it, though they do develop an intuition for it, and many think we never will, nor should we expect to.

We live in a fascinating

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online

our weekly
science scene
video at
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universe full of enormous galaxies, black holes, quasars, dark matter and who knows what else. But perhaps the most fascinating part, as the study of quantum mechanics shows time and again, is that even its building blocks are completely baffling.



Photo courtesy of aclfestival.com

London punk rock band Savages are playing both weekends of this year's ACL festival.

PUNK continues from page 10

most crowded in the early morning.

Finally, for fans of traditional Californian skater punk in the vein of Descendents, check out the delightfully bratty FIDLAR. The band revels in

irreverent and adrenaline-packed hits such as "Wake Bake Skate" or the already classic "Cheap Beer." Its self-titled debut was released earlier this year to critical acclaim and shows are always insane,

usually featuring the band just drunk enough to function as it shreds and whips the crowd up into a frenzied mosh pit. Led by the enigmatic Zac Carper, FIDLAR is one band worth arriving early for.

While ACL can sometimes get a bad rap for leaning too hard toward radio-friendly indie rock or Americana, the festival delivered this year with three of the most exciting young bands in punk rock.

REVENUE

continues from page 1

Most businesses report higher expectations for the two weekend format. Food vendor The Mighty Cone, known for its easy-to-eat chicken in tortillas, are doubling its inventory.

The Mighty Cone has been catering ACL since the second incarnation in 2002, when the festival reached out to owner Jeff Blank to run a food booth.

"Last year, we sold about 45,000 cones," Sara Courington, general manager of The Mighty Cone, said. "I'm in

love with ACL's commitment to local Austin food vendors because it's respectful to what Austin's all about."

Another local Austin eatery, Amy's Ice Creams, shares the same optimism.

"We aren't necessarily expecting to see a 100 percent increase in sales but at least 80 percent," said Aaron Clay, marketing and public relations director. "What's interesting is that the weather is going to play an even bigger role; When the weather is between 72-88 degrees, it's the best time to eat ice cream."

Amy's has been at ACL since the beginning and sold a reported \$45,000 of ice cream at ACL 2012.

Several music shows will also be played at venues like Emo's, Stubb's and Antone's, all of which C3 owns or operates.

As part of its contract, C3 Presents will pay the city of Austin a base sum of \$53,060 plus \$3 per 3-day wristband sold. In 2009, the base sum was only \$24,830.

The festival is notorious for producing mass amounts of trash at the festival grounds, which C3 is legally

obligated to take care of.

"C3 rents the facility and they're in charge of trash pick-up. The department works with them, but we're not in charge of clean up," said Victor Ovalle, manager of Austin Parks and Recreation public information and marketing.

C3 festival spokeswoman Lindsay Hoffman is more than confident about this year's environmental workforce. Hoffman said C3 will have about 200 volunteers per day, as well as about 3,000 fans participating in a recycling program. Other

measures include composting, purchasing carbon offsets and providing eco-friendly food vending and merchandise.

A week after clean up, the parks and recreation department will conduct what it calls "post-event maintenance."

Ovalle said that the doubling in length is no cause for environmental concern.

"We've got good turf crews," Ovalle said. "The good thing about C3 is that they've always helped us return the park back to normal."

HAIR

continues from page 10

The Cure

The men of The Cure may have aged, but their hair is just as lively as ever. The Cure's hairstyle of choice is not quite an afro and not quite a mohawk. It looks like something that is probably achieved by the band sticking their fingers in electric sockets and hair-spraying it into place right before they take the stage. Beauty is pain. But don't worry about The Cure because according to them, boys don't cry.

Grimes

Grimes' setlist is not the only unpredictable factor at the Canadian electronic artist's live performances. There is no telling what color Claire Boucher's hair will be when she performs at this year's ACL festival. It's possible it could even change between weekends. She is like the real-life version of "Eternal Sunshine of the Spotless Mind" character Clementine Kruczynski, whose trademark move is constantly dying her hair different vivid colors. Boucher's hair has been orange, green, blue, pink, dark brown, platinum blonde and rainbow streaked.

fun.

It would be unfair to say the



There is no telling what color Claire Boucher's hair will be when she performs at this year's ACL festival. It's possible it could even change between weekends.

members of fun. are entirely to blame for the awful hipster haircut trend of shaven sides with a tall, fluffy top. But they definitely are not helping. This hairstyle looks like the army regulation cut they probably gave soliders during World War II. Paired with suspenders or skinny pants, it is an obvious hipster alert.

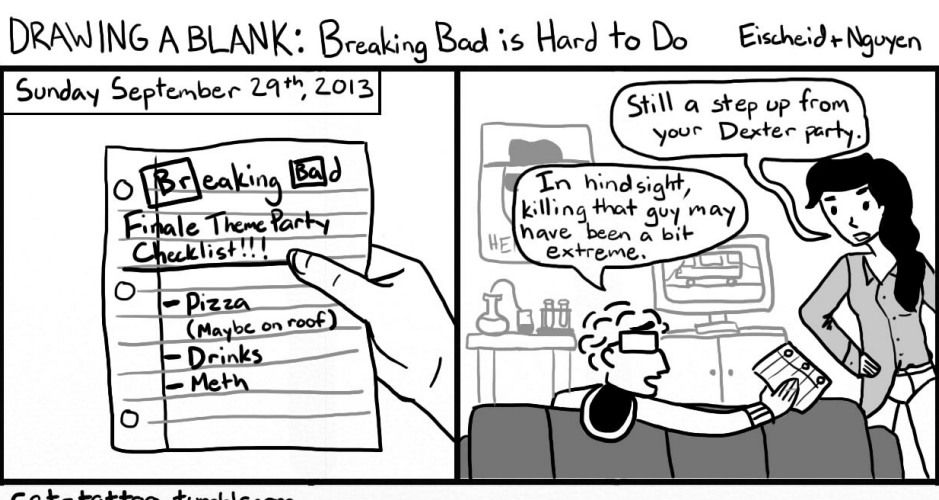
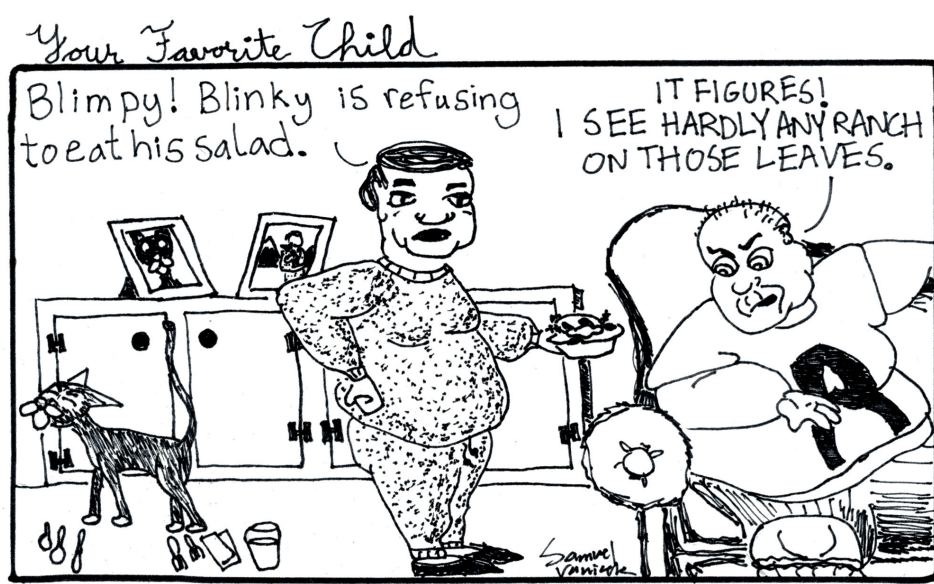
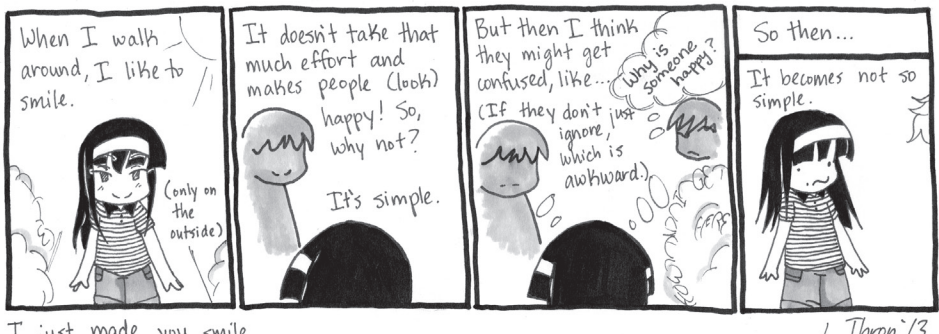
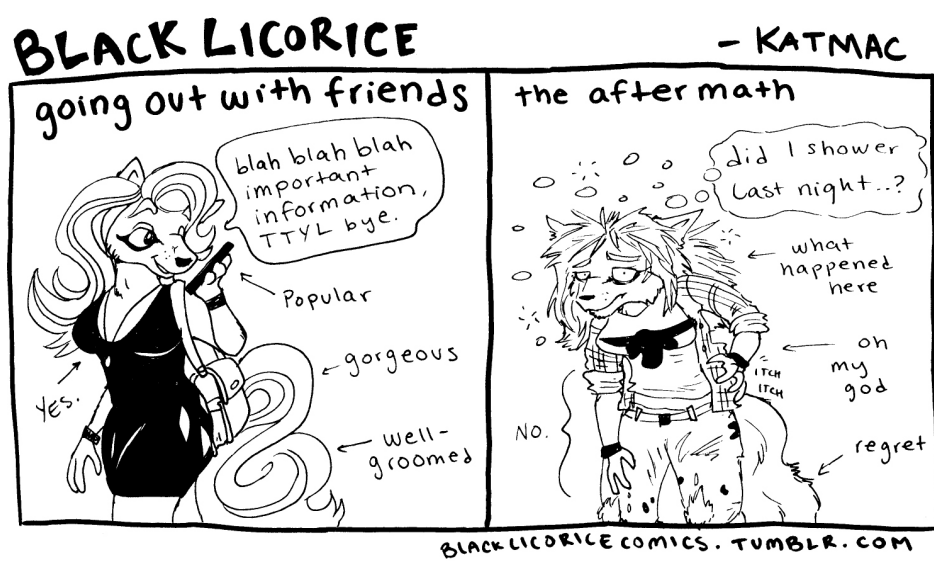
Dawes

Most members of Dawes look like any other folk rock band, with bedhead and a little scruff, maybe a plaid flannel shirt. But drummer Griffin Goldsmith has something special resembling a cloud resting on top of his head. Griffin's dirty blonde almost-afro looks so soft you could take a nap in it. Even though he'll be at the back of the stage, audience members from all distances will likely see his curly locks bouncing to the beat.

GREEN

continues from page 10

"Hopefully, some of the people we meet will become interested in our work and ... long-term supporters of TNC," Kostecke said. "At the least, we hope they come away better informed about the importance of conservation. Nature is worth saving, not only for its own sake, but because it has a profound impact on all of our lives. Conservation is often viewed as a luxury, but we consider it to be a necessity."



SUDOKU FOR YOU

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

Today's solution will appear here tomorrow

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

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The New York Times Crossword

Edited by Will Shortz No. 0829

Note: A certain three-letter word, appropriate to this puzzle's theme, goes in the unnumbered center square.

ACROSS

1 Fig. mentioned in Miranda warnings

4 Feudal V.I.P.

8 Made ends meet?

14 Your substitute?

15 Arabian Peninsula land

16 Lead dancer in a ballet company

17 Exonerated boxer who is the subject of a Bob Dylan song

20 Exceedingly

22 Capt. : Navy :: ___ : Army

23 Grazeland?

24 Young 'uns

25 Drops

27 Transition

29 ___ and the Waves ("Walking on Sunshine" band)

31 Superman's dog

33 2008 recipient of gov't. largesse

34 Piercing gaze

35 Ingredient in a witch's potion

39 Address for a G.I.

40 Weighted fishing nets

41 Walt Disney World's ___ Lagoon

45 Name dropper, often?

46 Get extra value from

48 "___ a Spell on You" (1956 hit)

50 Nevada birthplace of Pat Nixon

51 Resident of an elaborate underground "city"

52 Hidden valleys

53 Farm females

DOWN

1 Tenderfoot

2 Hurling is the same as cheating, according to these authorities

3 Where to work out

4 Its code uses just G, T, A and C

5 Four of a decathlon's 10 events

6 Enforced silence

7 Giant Ferris wheel on the Thames

8 Easily phased

9 Terre in the eau zone?

10 Border

11 Name in old graffiti

12 Be sassy, with "off"

13 Autumnal hue

18 Uses sock puppets to talk to a therapist, say

19 Voting against

25 Is suitable for

26 Ogling wolfishly

27 Med. readout

28 Vast treeless area

30 Go up, up, up

32 "That being said," in textpeak

36 Mess hall queue

37 Green, juicy fruit

38 Ending for a record-breaker

41 Certain teachers

42 Unctuous

43 Enlightening experience

44 Ambassador from the Holy See

46 Certain teacher

47 Onetime sponsor of what is now Minute Maid Park

49 Part of an affair to remember?

52 Latch (onto)

58 Instant

54 Portentous nights

56 Air Force ___

57 It means "white" in Hawaiian

For answers, call 1-800-285-5656, \$1.49 a minute; or, with a credit card, 1-800-814-5554.

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CITY



Jarrid Denman/ Daily Texan Staff

Rick Kostecke, lead scientist for The Nature Conservancy, observes the 4,084-acre Barton Creek Habitat Preserve on Tuesday afternoon.

ACL goes green with local help

By Kritika Pramod
Kulshrestha
@kritika88

From West Texas to the Rio Grande Valley and from the High Plains to the vast expanses of East Texas, The Nature Conservancy has left an indelible mark on Texas.

The conservancy, a solution-oriented, science-based organization, is dedicated to

protecting nature and conserving land and water in various regions worldwide. Ranked as one of the world's most ethical companies in 2013 by the Ethisphere Institute, the conservancy is an honest worker in the conservation space, according to Barbara Laing, director of marketing and communications at The Nature Conservancy.

For the past three years,

the conservancy has had a booth at Austin City Limits where staff members inform visitors about the conservancy's mission and work.

"We get thousands of people at the festival who turn up at our booth, wanting to know more about the conservancy," Laing said. "We want more people to be involved. There is something in nature for everyone."

The Nature Conservancy has been involved in all 50 states and more than 35 countries worldwide. In Austin, the conservancy works to maintain the Barton Creek Habitat Preserve. Its work in the preserve exists to protect the water quality of the Barton Creek watershed, which in turn protects the quality of the water that recharges the popular swimming hole at Barton Springs.

Across the street from Barton Springs is Zilker Park, where Rick Kostecke, associate director of conservation research and planning, said the The Nature Conservancy will have a booth during both weekends of this year's festival. "Staff, including myself, will be at the booth to talk to folks and provide information about TNC's mission and our work here in Texas

— everything from freshwater to Gulf of Mexico to land protection," Kostecke said.

Kostecke also said having a booth at ACL gives the conservancy the opportunity to interact with a younger and more diverse audience — an audience that they would not have been able to reach by other, more traditional means.

GREEN page 8



Photo courtesy of haimband.com

The Los Angeles-based band HAIM sports not one, but three middle parts. Check out their set and their hair at the AMD Stage on Saturday from 2-3 p.m.

Diverse hairdos on stage at ACL

By Hannah Smothers
& Sarah Grace Sweeney
@hannahsmothers_
@sarahgrace317

Austin City Limits music festival is a visual feast. College students walk around Zilker Park in cutoffs and bikini tops, the Austin

skyline stands out against the violet sunset in the evenings and headlining artists sport some outrageous hair styles. The Daily Texan compiled a list of our favorite hair donned by singers and songwriters that you should be on the look out for

this weekend.

HAIM

The middle part is hard to pull off for anyone. For HAIM, it is even more impressive as all three sisters part their long locks right down the middle. The look fits the '90s rock-influenced

sounds created by Alana, Este and Danielle Haim, plus their drummer Dash Hutton. Maybe the group will influence your own festival fashions. Just check with an honest friend before trying the middle part for yourself.

HAIR page 8

ACL lineup includes room for punk bands

By David Sackllah
@dsackllah

Between South By Southwest, Chaos in Tejas, Fun Fun Fun Fest and weekly shows at clubs such as Red 7 or Mohawk, punk shows are as common in Austin as 5 p.m. traffic on Lamar Boulevard.

And while Austin City Limits Music Festival is usually lacking in punk bands, this year will feature three big punk acts in its lineup with Savages, Parquet Courts and FIDLAR.

Savages is an all female quartet from London, known for giving intense and electrifying live performances. Its debut record, *Silence Yourself*, was released this past summer and includes forceful and explosive hits including "Husbands" and "She Will." The band has gained a reputation for adhering to a strict set of independent values, but has become memorable for its talent. Every member of the group is skilled, especially the propulsive bassist Ayse Hassan and drummer Fay Milton, who might be one of the most brutal drummers in punk right now. Guitarist Gemma Thompson leads the band with a drive that echoes early Joy

Division, and singer Jenny Beth brings it all together with her howls that all but force the listener into submission. Even those who do not typically like punk rock would enjoy Savages.

Parquet Courts is a punk rock band with Texas roots. Formed in Denton by Andrew Savage, Sean Yeaton and brothers Austin and Max Brown, the band found success after moving to Brooklyn and crafting some of the best indie punk of the past few years by stripping the music down to its basics. Echoing post-punk and indie-rock legends such as Television or Sonic Youth, the band creates direct and hard-hitting rock with elements of jazz, all while featuring complex yet slightly detached lyrics in the vein of Pavement's Stephen Malkmus. All these comparisons ring true when listening to its fantastic second album *Light Up Gold*, released in August 2012. Parquet Courts are set to put out a fantastic new EP called *Tally All The Things You Broke*, which debuted earlier this week on KVRX. They are also known for incredible live shows and are local favorites, so expect their stage to be one of the

PUNK page 8

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