

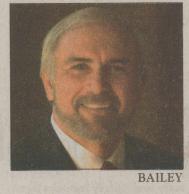
# **Administration prepares** for new legislative budget

### **By CAITLAN OSBORN** STAFF WRITER

Gov. Rick Perry called the Texas legislature into special session Tuesday after the school finance bill, SB 1811, failed to pass.

The approval of the school finance bill would determine possible budget cuts for public schools — including Texas Tech.

According to the Associated Press, "The school finance. bill would change distribution formulas to public schools so the state could legally give schools less money under the new budget. It would spread the \$4 billion shortfall over the two years of the budget period — 6 percent across-the-board cuts in 2012 and \$2 billion in targeted funding levels in 2013."



Chris Cook, managing director of communications and marketing, said until the results are known, the administration is unsure of the impact the new bill will have at Tech.

"Until that is done, we don't really have a firm idea until those numbers are finished," he said. "We're not sure of the job loss right now, but we'll know more as we implement the new budget." Cook said the university lost \$16 million during the last fiscal year, 7.5 percent less from the prior year's \$660 million budget.

The administration will not know the full effects of the new state budget, Cook said, until the special session ends. Cook said they expect to know the results by mid-summer.

The Texas state budgets are done by biennium, or every' two years. Cook said the new budget will go into effect when the fiscal year begins on Sept. 1 of 2012.

Beginning Sept. 1 we've got a whole new budget," he said, "and that budget may be cut evaluates vacant positions and significantly."

President Guy Bailey said the university has already made reductions from cuts from the

last fiscal year and is prepared to make more reductions if the school finance bill passes.

"If nothing happens in this session that would affect that, then we've already done the worst of our cutting," he said. "If it does pass then we would have to re-evaluate."

Some of the reductions during the last year, Bailey said, included outsourcing the university's printing services and eliminating three administrative positions.

Bailey also said they have removed 105 full-time positions, mostly through the Critical Needs Hiring Committee, which determines if it is necessary to fill them at the time.

BUDGET continued on Page 2



# **Tech researchers** play crucial role storm research

#### **By KASSIDY KETRON** STAFF WRITER

Larry Tanner said Texas Tech became more involved in researching storm's winds and damages after Lubbock's 1970 tornado.

A research associate in civil engineering, Tanner is an expert in the areas of civil engineering, Federal Emergency Management Agency, tornadoes, hurricanes and Texas Tech's wind cannon.

Tanner said Tech's wind cannon is a muzzle loaded cannon, which pressurizes then releases a sample projectile, a 15-pound two-by-four at 100 mph, which relates to the same projectile being propelled by a 250 mph storm.

Tanner said flying debris can break windows, garage doors and doors, allowing wind to get inside the home and weaken the roof and walls.

"The debris itself can also (be damaging) and quite frequently is lethal — a number of people in Joplin were killed by flying debris."

Through this research, Tanner said, has come the above ground-sheltering concept, which has been adopted by FEMA.

On the website, wind.ttu.

edu, Tanner said there is a list

of shelters and shelter products

that have been tested by Tech

and passed the tests of the

National Storm Shelter As-

sociation, which was created

civil engineering and the executive director for NSSA, said the

purpose of the association is to

have a membership with a pro-

gram so that people who build safe rooms to the standard can

put an NSSA seal on the shelter

have not been verified to be in compliance," Kiesling said.

Kiesling said it does not mat-

"We write standards and we

Ernst Kiesling, a professor of

at Tech.

promote quality.

ter whether the shelter is above or below ground, as long as it is built according to the NSSA standards it will provide its occupants protection.

Depending on the size and finish, Kiesling said shelters can cost anywhere from \$3,000-\$10,000.

Kiesling said basements with a concrete roof over them can serve as a shelter, but they still have to worry about debris flying through the door and into the basement.

"When weather watches or warnings occur, or when the sirens go off, people are, needless to say, unnerved or just uneasy and particularly if they have no place to go. If you have a safe room then you can maintain pretty normal living patterns knowing that there's a safe place available and reach it readily if a storm occurs."

Kiesling said he had spent the last week in Alabama doing workshops for architects, engineers, builders and the general public trying to answer questions that have advanced.

Tech, Kiesling said has a worldwide reputation for mitigation from natural 'disasters and has made "significant" contributions to mitigating the effect of disasters.

"The above ground storm shelter was developed here at Texas Tech over 40 years ago, and now we see an idea that's come to reality and we see national programs to promote the concept and to foster quality in the industry, and so it's very gratifying to see all that. It's kind of like a career effort coming to fruition," Kiesling said.



PHOTO BY SCOTT MACWATTERS/The Daily Toreador

# Images of dead children lead Syria's protests as government seeks answers

grow no less shocking with time — a gaping wound on a tiny skull, the hair matted with blood; a gunshot that pierced the skin of a small torso and went straight toward the kidney; and finally, the broken neck and severed penis of a 13-year-old boy, his mangled body contorted on a plastic sheet.

The images of children activ-

BEIRUT (AP) — The images ists say were killed in a government old Hamza al-Khatib, whose tortured crackdown on protests are circulating widely among Syrians on YouTube and Al-Jazeera, Facebook and opposition websites. And they are stoking even more fury against a regime the opposition says has lost all legitimacy.

Syria's government tried to blunt the anger with promises Wednesday to investigate the killing of 13-year-

and mutilated body turned him into a symbol of the Syrian uprising. But protesters deride that and other government concessions, including an amnesty that freed political prisoners on Wednesday and a committee to prepare for national dialogue, as nothing more than a ploy to buy time for President Basher Assad. They say

at least 25 children are among more than 1,000 dead, with government crackdowns that increase the toll almost daily.

The deaths of two girls - a 12-year-old killed Saturday when her school bus came under fire, and an 11-year-old shot to death Tuesday while her town was being shelled ---appeared certain to inflame tensions. Already, a Syrian opposition page refers to the older girl, Hajar Tayseer al-Khatib, as "the flower of Syria's martyrs."

Military operations in southern and central Syria killed at least 33 people Tuesday and Wednesday, even

as the government released hundreds of political prisoners. The government claims the revolt is the work of Islamic extremists and armed gangs.

Rami Abdul-Rahman, director of the Syrian Observatory for Human Rights, told The Associated Press that more than 500 prisoners were freed, including some who took part in the latest demonstrations marking the most serious challenge to the Assad family's 40-year rule. Activists say 10,000 have been rounded up since the protests began mid-March.

Syrian state television on Tuesday said the amnesty covered "all members of political movements," including the

Darryl James, a professor in the department of mechanical engineering and a wind engineering and science associate, has spent more than a year building a tornado simulator at the Reese Center.

VorTECH, James said is a tornado simulator that simulates the velocity distribution and pressure distribution similar to what they collect from storm chasing data.

He said their hopes are to betto separate it from those that ter understand the kind of effects tornadic winds have on structures.

**STORMS** continued on Page 2

outlawed Muslim Brotherhood, which led an armed uprising against Assad's father in 1982. Membership in the party is punishable by death.

Both the U.S. and France said the amnesty would not be enough.

"We need to see all political prisoners released, and we need to see an end to the violence that Syrian forces have been continually carrying out against civilian populations," State Department spokesman Mark Toner said in Washington. "The gesture of releasing a hundred or so political prisoners doesn't go far enough, and I think that the Syrian people would feel that way."



## JUNE 3, 2011

# TOWER TIME

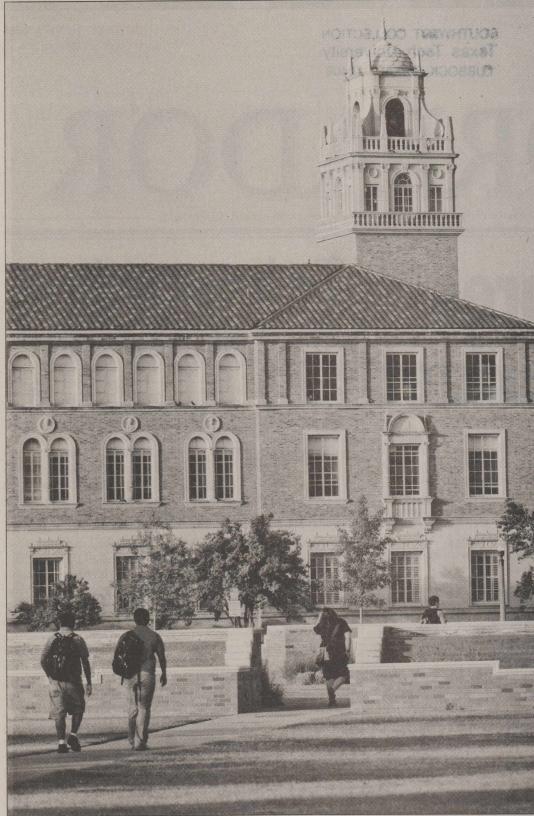


PHOTO BY SCOTT MACWATTERS/The Daily Toreador

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## Budget ← **CONTINUED FROM PAGE 1**

"This is a committee that just reviews every request to fill a position," Bailey said. "They try to determine if we can get by for a while without that position and if we can get by — at least for the time being - without that position, then we don't fill it. If it is something that is absolutely critical and we can't get by another day without it, then we fill

## Storms + **CONTINUED FROM PAGE 1**

James said in their preliminary research with VorTECH they have found when a tornado passes through, a structure undergoes compression and tension, which when coupled with debris can cause significant damage.

"We're really just trying to understand how the tornadic winds damage and destroy buildings and from just the wind standpoint initially," James said. "Then when you try and couple in the debris field with the wind, which ultimately is what happens in these terrible events like what happened in Joplin."

## the position."

What the university is trying to do is keep from eliminating more jobs than it has to, Bailey

handle all of this as much as of the heavy lifting already," possible by simply by not filling jobs," he said. "Most of the layoffs that we've done we have already done. But we're hopeful we won't have to do anymore."

But still, Bailey said, even having positions unfilled makes everyone else's jobs harder.

Daan Liang, an associate professor in construction and engineering, said Tech's Wind Science and Engineering Center has made contributions to storm research by developing the Enhanced Fujita Scale, which was adopted by the National Weather Service.

Then Enhanced Fujita Scale, Liang said, is a scale from one to five from lowest wind speed and damage to the highest wind speed and damage, providing guidance for rating a tornadic event.

In terms of damage, Liang said there are 28 damage indicators, including residences and trees, which each have different levels of damage ranging

Assuming the budget stays the same, he said, the university has done the worst of its cutting.

"Unless something really "We would really like to turns out bad, we've done a lot Bailey said. "We're hopeful things will turn out okay and we won't have much more to do. I wouldn't be overly optimistic, but at the same time, I think there should be no panic about jobs right now."

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from minimal damage to total destruction.

Liang said of right now they are not able to directly measure the wind speed during a tornado, so they have to rely on the expertise of engineers and scientists to provide their best estimation on what type of wind speed would cause the damage seen.

"I think we have made tremendous progress," Liang said. "One example is the Enhanced Fujita Scale, you know, it's been developed here, but it's been adopted by the National Weather Service. It's really had a huge impact on how we investigate tornadoes."

»» kketron@dailytoreador.com

# Cellphones serve as 'possible' carcinogen

international panel of scientists says cellphones are possible cancer-causing agents, putting them in the same category as the pesticide DDT, gasoline gen," said Donald Berry, a professor engine exhaust and coffee.

The classification was issued Tuesday in Lyon, France, by the International Agency for Research on Cancer after a review of dozens of published studies. The agency is an arm of the World Health Organization and its assessment now goes to WHO and national health agencies for possible guidance on cellphone use.

Classifying agents as "possibly carcinogenic" doesn't mean they automati-

LONDON (AP) — A respected cally cause cancer and some experts is some evidence linking mobile said the ruling shouldn't change people's cellphone habits.

"Anything is a possible carcinoof biostatistics at the M.D. Anderson Cancer Center at the University of Texas. He was not involved in the WHO cancer group's assessment. "This is not something I worry about and it will not in any way change how I use my cellphone," he said — speaking from his cellphone.

The same cancer research agency lists alcoholic drinks as a known carcinogen and night shift work as a probable carcinogen. Anyone's risk for cancer depends on many factors, from genetic makeup to the amount and length of time of an exposure.

After a weeklong meeting on the type of electromagnetic radiation found in cellphones, microwaves and radar, the expert panel said there was limited evidence cellphone use was linked to two types of brain tumors and inadequate evidence to draw conclusions for other cancers. "We found some threads of evidence telling us how cancers might occur, but there were acknowledged gaps and uncertainties," said Jonathan Samet of the University of Southern California, the panel's chairman. "The WHO's verdict means there population.

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phones to cancer but it is too weak to draw strong conclusions from," said Ed Yong, head of health information at Cancer Research U.K. "If such a link exists, it is unlikely to be a large one."

Last year, results of a large study found no clear link between cellphones and cancer. But some advocacy groups contend the study raised serious concerns because it showed a hint of a possible connection between very heavy phone use and glioma, a rare but often deadly form of brain tumor. However, the numbers in that subgroup weren't sufficient to make the case.

The study was controversial because it began with people who already had cancer and asked them to recall how often they used their cellphones more than a decade ago.

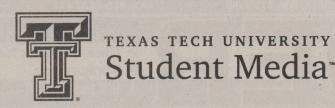
In about 30 other studies done in Europe, New Zealand and the U.S., patients with brain tumors have not reported using their cellphones more often than unaffected people. Because cellphones are so popular, it may be impossible for experts to compare cellphone users who develop brain tumors with people who don't use the devices. According to a survey last year, the number of cellphone subscribers worldwide has hit 5 billion, or nearly three-quarters of the global



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PAGE 3 FRIDAY, JUNE 3, 2011

# TCU's Purke back for 2nd NCAA, Major League draft

FORT WORTH (AP) — The second time around at TCU hasn't been as perfect for Matt Purke, the left-hander who has already been a first-round draft pick once — and could be again next week.

After going 16-0 as a freshman and helping lead the Horned Frogs to their first College World Series last year, Purke (5-1, 1.51 ERA in 10 starts) missed a month this season with shoulder soreness. He has pitched only twice since mid-April, including the Mountain West Conference tournament opener last week.

But Purke appears ready when it matters most for the Frogs (42-17), who are getting ready to host another NCAA regional. He has felt good on the mound since getting a clean bill of health from noted orthopedist Dr. James Andrews.

There was nothing wrong with me. I just needed some rest," Purke said. "It was what I needed and just get a clear mind and know what was going on."

Andrew Mitchell (5-1, 3.13) is expected to start the regional opener Friday night against Oral Roberts (36-20).

Frogs coach Jim Schlossnagle will then likely decide between Purke or junior right-hander Kyle Winkler, the Mountain West Conference career leader with 27 wins, to pitch Saturday against Oklahoma (41-17) or Dallas Baptist (39-17), who play the other first-round game at TCU.

"I've rested and now I'm ready for the time when it's necessary,' said Purke, who has eight strikeouts while allowing one run in seven innings since returning.

TCU began this season ranked No. 1 in the Collegiate Baseball poll with the return of Purke, Winkler and right-hander Steven Maxwell. The starting trio was a combined 39-5 last season and didn't miss any turns in the rotation.

But Maxwell (5-1, 3.13) also missed a month this year because of biceps soreness before starting in the MWC tournament Friday. Winkler (8-2, 1.40) didn't pitch in the conference tournament because of stiffness, though he said it was precautionary.

Even while missing each of the trio at some point, the Frogs still earned a No. 1 seed and hosting role for the NCAA tournament. They won their sixth consecutive Mountain West regular season title with a 20-3 conference record.

"Last year was fairy tale ... Every single player on our team that needed to have a good season had a great season, every single player that needed to stay healthy stayed American League pennant. healthy," Schlossnagle said. "If you had told me going into the year you're going to miss Purke for a month and Maxwell for a month and Winkler is going to be in and out down the stretch, I would have said, 'Yeah, wow, how are we going to overcome that?""

Even though Purke is only a sophomore, the slender bespectacled lefty with a deceptive three-quarters delivery is eligible for the draft again because his 21st birthday (July 17) is within 45 days of the draft that begins Monday.

happens," he said. Purke was the 14th overall

pick by the Texas Rangers in 2009, but went to TCU after being unable to reach a deal with the team that was still more than a year from winning its first

"All along our goal with Matt has been to have him for two years, and have him leave here healthy and a high pick," Schlossnagle said. "He should feel very indebted to TCU, and we are very indebted to him because of the effort that he gave us last year and the effort that he continues to give this year."

Even though Purke was bothered by a blister on his pitching hand at the start of the season, then missed a month because of the shoulder soreness, he said he has matured by "leaps and "We'll sit back and see what bounds" at TCU and become a better pitcher. And he still has no regrets about not going pro straight out of high school two vears ago.

> "Not a single one," he said. "Not a single one."

> > Los Angeles Times Daily Crossword Puzzle

TCU has already this season

played each of the teams in its regional. The Frogs lost on consecutive days in April at Dallas Baptist and then home against Oklahoma. They also lost on the road against the Sooners, and beat Oral Roberts at home.

The Frogs are hosting a regional for the third consecutive year, and playing in their eighth straight NCAA tournament under Schlossnagle.

"It's kind of amazing how you draw it up. Before my freshman year, we had never hosted a regional or done anything like that," Winkler said. "Then my freshman year, we host a regional and make it to a super (regional). The year after that, we make it to a super again and win it and we're in Omaha. Hopefully this year the progression keeps going. If I'm lucky, I'll have a national championship ring."

# Value of scholarships hot topic at Big 12 meetings

revenues and lavish TV deals?

arships is not a new idea. But it's a hot topic of conversation at this week's Big 12 meetings and delegates, to say the least, are

The thing is, nobody can figure out how it could be done.

get past.

need to give them more money,'

"The reality of being able

idea.

"There was a recognition that you can't just do it in the revenue-producing sports without doing it at least with the same number of female student-

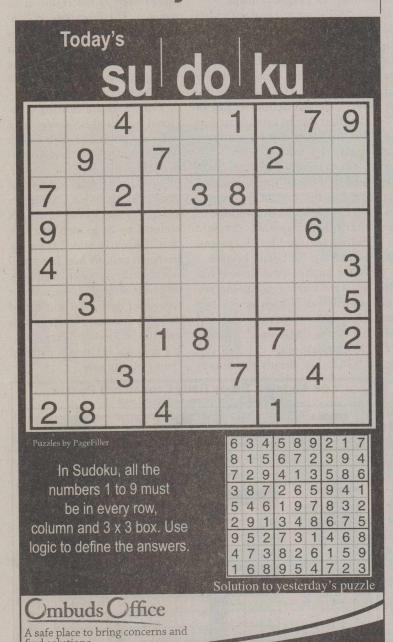
The idea became a hot topic Southeastern Conferences raised



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# **JPINIONS**

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# **Advantages of a long-distance relationship**

ith summer here, people automany couples matically relate have had to part ways and decide whether to tive thoughts. endure the difficulties of a Cheating, mislong-distance relationship, or to just let distance win and say goodbye for the summer, or sometimes worse, forever. Whether we like to admit it or not, many of us don't get too involved with another person advantages of a long-distance when we know, in the back of our minds, that we'll be separated by distance one day. To a certain degree, we pick our boyfriend or girlfriend based off of where they'll be living in the summer and how that concerns us.

When the phrase "long-distance relationship" comes up,

## DAILY OREADOR

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it with nega-Paige Skinner communication and lonely nights all start to creep into a dater's mind.

However, there are plenty of relationship. The act of "going LD" is easily achieved if looked at positively.

With your significant other in another city, state or even country, your relationship looks completely different than it would if they were right next to you. Instead of sitting on the couch watching a rerun of "Jer-



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and truly tests whether you

and your boyfriend/girlfriend really care for each other, or if the stresses of being physically apart begin to take a toll on the ent time zone. Throughout the

timately ending it.

Whenever couples get together it seems as though they are literally one person. They finish each other's sentences; they laugh at each other's dumb jokes; and they even sit on the same side of the booth at a restaurant. However, being in a long-distance relationship,

and your significant other are spending time texting, Skyping or chatting on the phone. Pure communication becomes

the only option

their

empty stomach.

romance, ul-

your individuality is kept intact. Girls and guys alike are able to hang with their own gender and explore their personal interests. Girls, with their boyfriend not by their side, aren't forced to sit with him and his "bros" through a championship game in which they know nothing about. Instead, they gladly go to dinner with the girls and gab about last

sey Shore", you night's "Bachelorette" episode, something that only causes a boyfriend to cynically roll his eyes. Fighting over the remote and not spending enough time with your best friends are not an issue in a long-distance relationship.

> Let's face it; long-distance relationships cannot be near as hard as they were back in our parents' age. There are 10 times more ways to stay connected to someone in a differdáy you can

text, email, Hey Tell, Girls want their Facebook, tweet and boyfriends around then when mainly when they you get home from work or have car trouble or school you can talk on they're unloading the phone or Skype. Keeping in touch grocieries, and with each other could guys want their not be more convenient girlfriends in town this day and age. when they have Long-disdirty laundry or an

tance relationships are never going to be easy or ideal. You always want

your other half around. Girls want their boyfriends around mainly when they have car trouble or they're unloading their groceries, and guys want their girlfriends in town when they have dirty laundry or an empty stomach.

Skinner is a junior public relations major from Garland » paige.skinner@ttu.edu



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