



KENTUCKY KERNEL

CELEBRATING 36 YEARS OF INDEPENDENCE

UK begins plans to attract non-traditional students

By Jill Lester
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UK will look into its past to find the targets of a new program for increasing enrollment.

Double the Numbers, a program announced by the Kentucky Council on Postsecondary Education last month, will use state funding and private grants in efforts to double the number of college graduates in Kentucky to 800,000 by 2020.

At a press conference tomorrow, the CPE will announce the beginning of the program's first phase, which will encourage non-traditional students with 90

or more credit hours to return, said CPE communications director Sue Patrick.

"All of our institutions want to serve these people, but the focus has been on traditional students," Patrick said. "Financial aid has been focused on traditional students."

A \$500,000 grant from the Lumina Foundation for Education will help with assessing how 45 accredited Kentucky colleges and universities can work to bring adult students into higher education.

UK will receive about \$50,000 from the grant for an internal self-assessment, Patrick said. The evaluation will look at UK's efforts to bring in non-traditional

students, to accommodate the need for night and weekend classes, and to help students find financial aid.

An eight-person UK committee has already completed an initial assessment report, which expresses two main concerns. The first is that there may be "significant need" to hire new advisers for returning students.

"The time devoted to advising these (non-traditional) students is likely to be significantly longer than for students currently working on their degrees," says the UK report, made earlier this year on the CPE's request.

The second concern the report lists is that developing a degree program for

non-traditional students that combines University Studies courses with a degree track would require "considerable planning and attention" from UK faculty and administrators.

Increasing the number of returning students is only one of the several goals of Double the Numbers, which also seeks to increase the amounts of graduating high school students, of community and technical college students moving on to four-year institutions, and of people receiving General Educational Development certificates.

The Double the Numbers plan has the same end year as UK's Top 20 Business Plan — 2020. Both stem from

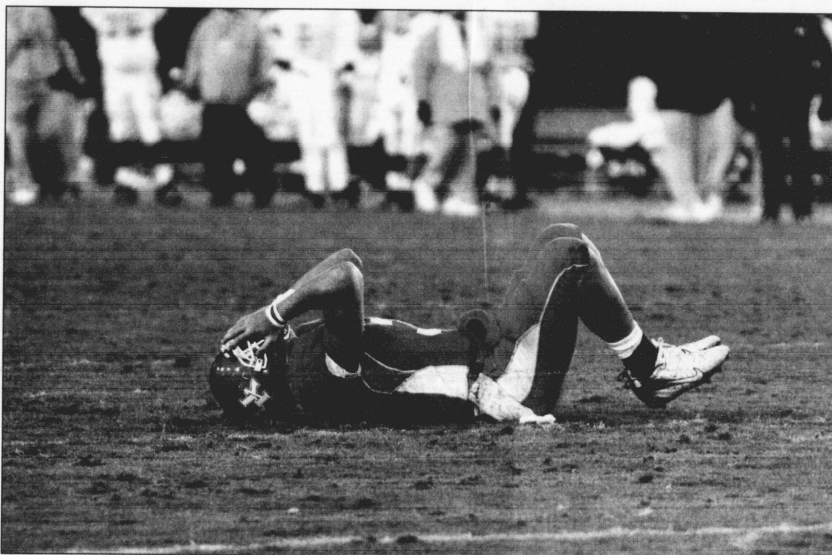
a bill passed by the state legislature in 1997 mandating that institutions dedicated to higher learning, including both UK and the CPE, work to lift Kentucky from close to the bottom of national rankings.

If the state legislature falls short, the CPE will find a way to manage, as it has during a few tight budget years since the 1997 mandate, Patrick said.

However, the program the CPE will launch tomorrow will be one of many that depend heavily on the funding given by the state during the legislative session beginning in January.

"They need the money to be able to fund the programs," Patrick said.

TENNESSEE 52, UK 50 (40T)



BRITNEY MCINTOSH | STAFF

Senior quarterback Andre Woodson lies on the ground in the final seconds of the fourth quarter after failing to complete a touchdown pass that would have won UK's game against Tennessee. On the following play, sophomore kicker Lones Seiber made a field goal to send the game into the first of four overtimes. The Cats would eventually fall to the Volunteers 52-50.

BLOCK, STOP, ROCKY TOP

Failed field goal, two-point conversion lead to 23rd straight loss to Tennessee

By Eric Lindsey
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Rich Brooks called it disappointing. Keenan Burton said it was devastating, and Andre Woodson could barely fight the tears back as he tried to put the loss to the Tennessee Volunteers into words.

However the players chose to describe it, they all agreed on one thing: This loss hurt a little bit more than the rest.

For the 23rd consecutive season, No. 19 Tennessee (9-3, 6-2 Southeast-

ern Conference) defeated UK (7-5, 3-5 SEC) on Saturday in front of 69,813 fans at Commonwealth Stadium, extending the nation's longest active winning streak of one team over an opponent in the Football Bowl Subdivision. The 52-50 loss in four overtimes added yet another chapter to a long history of heartbreaks against the Volunteers.

UK had fallen to Tennessee several times on Senior Day during the losing streak, but sending off this group of seniors — a class many have credited with turning the program around — with a loss made it

sting that much more.

"I definitely wanted to leave here knowing I was a part of the team that finally ended that streak and could move on from that," said Woodson, UK's senior quarterback. "But unfortunately, I'm just on another team (that lost to Tennessee)."

And as they have done since 1985, the Vols left the Cats with a sour taste in their mouths to end the regular season. Unlike most years during the streak, UK will still have the chance to play in a bowl game, but allowing Tennessee to advance to the SEC championship game in Atlanta while spiraling to a 2-5 record in their last seven games left the Cats thinking about what could have been.

"It's a great college football game,

but the way I look at it, the wrong football team ended up winning," said Brooks, the UK head coach. "The streak lives."

The Cats had their opportunities to finally steal one away from the Vols.

Trailing 31-28 with 3:32 left in regulation, UK drove from its 9-yard line all the way down to the Tennessee 1. Woodson, who was 39-for-62 for 430 yards with a career-high six touchdowns, marched the Cats down the field on 10-of-17 completions.

With eight seconds remaining, Woodson fumbled the snap, scrambled and fired a pass past the outstretched arms of Burton, a senior wide receiver. The Cats had to settle for a 20-yard

See Football on page 4

Off-campus housing committee formed

By Katie Jo Cox
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The Lexington-Fayette Urban County Council unanimously agreed on Tuesday to form a committee that would examine issues with off-campus student housing in the neighborhoods surrounding UK.

Julian Beard, the 4th District councilman, said the new committee would be similar to the existing Town and Gown Commission, but "with longer tentacles that would touch the community as a whole."

"I'm happy we carried it forward and appointed a task force," said 5th District Councilman David Stevens, who originally proposed regulating off-campus student housing. "Hopefully we can work forward to solve this issue."

About 90 landlords, students and residents came to the planning committee meeting at the Lexington-Fayette Government Center to discuss potential housing regulations based on those used at Pennsylvania State University.

At Penn State, only three non-related students can live in an off-campus house, and student houses must be located at least 180 feet apart.

Stevens, along with UK Assistant Vice President for Community Engagement Lisa Higgins-Hord and Vice President for Facilities Management Bob Wiseman, visited the Penn State campus in State College, Pa., earlier this year to see how effective the rules were there.

Stevens said the area around UK's campus faces problems from "too many cars, too much litter, too much noise and alcohol abuse." Penn State's regulations could serve as a model for Lexington, he said, but he does not expect Lexington to adopt the same plan.

Local landlords said the Penn State plan would hurt the neighborhoods around UK.

"We consider this proposal not so helpful," said Bill Lear of Touchstone Properties. "It reminds me of people who want to have a great university without the students. We want college

See Housing on page 3

UK 83, TEXAS SOUTHERN 35

Crawford's career game leads romp in Rupp

By Travis Waldron
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If UK fans needed a pick-me-up Saturday night, Joe Crawford wasted no time in giving them one.

After UK's narrow loss on the football field to No. 19 Tennessee, the senior guard ensured the basketball team would not suffer the same fate in Rupp Arena, scoring a career-high 32 points to lead the Cats to an 83-35 victory over Texas Southern in front of 21,445 fans.

Saturday marked Crawford's 48th career double-figure scoring performance, but it was the first time

he had scored at least 30 points.

After earning his first start of the season, Crawford nearly eclipsed his scoring average (15.3) in the first five minutes, netting 13 of the Cats' first 21 points and sparking a 15-0 run that gave UK (3-1) a 21-5 lead over the Tigers (1-4). The Cats never looked back, pushing the margin as wide as 53 points before the final horn.

"Joe's playing well, he's practicing better, and I think he's starting to earn an opportunity," UK head coach Billy Gillispie said.

Crawford has now scored at least 20 points in three of UK's

four games, and he said his offensive explosion is the result of Gillispie helping him change his mentality on offense.

"When I'm open, I'm going to shoot it," Crawford said. "That's what Coach told me. He even took me out of practice when I wasn't ready to shoot. This year, I have a new approach — when I'm open, I'm going to take it and not think about it."

UK entered the game near the bottom of the Southeastern Conference in scoring offense but blitzed Texas Southern early, notching 43 first-half points while shooting 77

percent (17-22) from the field. It was UK's best first-half shooting performance since Jan. 14, 1981, when the Cats shot 79 percent against Ole Miss. UK finished the game 33-of-54 for 61 percent shooting.

Meanwhile, the Cats had their best defensive performance of the season, holding the Tigers to just 10 field goals and 20 percent shooting. Texas Southern's 35 points were the least by a UK opponent since Morehead State managed just 32 in 1995, and it was the



BRITNEY MCINTOSH | STAFF

Senior guard Joe Crawford defends Texas Southern's Sollie Norwood during the first half of Saturday's game.

See Basketball on page 4

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HOROSCOPES

By Linda C. Black

To get the advantage, check the day's rating. 10 is the easiest day, 0 the most challenging.

Aries (March 21 - April 19) Today is a 7 — it's better to keep your mouth shut, if you're not certain what's going on. Be watchful and silent and wait for somebody to carelessly drop a few clues.

Taurus (April 20 - May 20) Today is a 6 — Shopping has been more of a challenge than a relaxation lately. Keep studying; you'll find new and creative ways to stretch your dollars.

Gemini (May 21 - June 21) Today is a 7 — By using your wits you can make the task easier and increase your profits. Costs are high, so it's important to save wherever you can.

Cancer (June 22 - July 22) Today

is a 7 — After an initial setback, life gets a lot easier. You may not reach total agreement, but at least you know where you stand. Differences make the relationship more interesting and exciting.

Leo (July 23 - Aug. 22) Today is a 7 — You're too busy to worry about others' complex social interactions. Ask them to save their problems and gossip until another time.

Virgo (Aug. 23 - Sept. 22) Today is a 6 — Let your friends know what's bothering you. One of them has the answer. It's hard to admit you were wrong, but if that's required, go ahead and do it.

Libra (Sept. 23 - Oct. 22) Today is a 7 — Discretion is advised in career negotiations. Get everything in writing, but don't publish any of it yet. Make all the revisions first, and you'll end up with a big success.

Scorpio (Oct. 23 - Nov. 21) Today is a 7 — Finally, you're able to achieve what you set out to do. Reinforcements arrive just in time, thanks

to your communications. Good work!
Sagittarius (Nov. 22 - Dec. 21) Today is a 7 — Reality rears its ugly head. How are you going to pay for all the crazy things you want? You're not. Pay off bills first. Save crazy for later.

Capricorn (Dec. 22 - Jan. 19) Today is a 7 — Accept encouragement and assistance from someone you don't always like. Liking is transitory. This person's there for you. That's what's important.

Aquarius (Jan. 20 - Feb. 18) Today is a 7 — You can figure out what needs to be done. Keep the others on track. Without your coaching, they'll be running in all directions.

Pisces (Feb. 19 - March 20) Today is a 7 — Sneak away from the crowds to spend more time with your loved ones. Make plans, and keep going after your goals in spite of all obstacles. Together, you guys are awesome.

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the DISH

Dempsey talks fairy tales, family and fancy footwear

Grey's Anatomy's hottest doc is moving his McDreaminess to the big screen. In the live-action-with-a-touch-of-animation romantic comedy *Enchanted* (out November 21), Patrick Dempsey stars as a cynical single dad in NYC who falls for a Disney-esque fairy princess (Amy Adams) come to life.

Offscreen, the Maine native, 41, plays Prince Charming to makeup artist wife Jillian, 41, daughter Tallulah, 5, and 9-month-old twin sons Darby and Sullivan. He charms us.

Q: You get to dance in this film. Would you ever do *Dancing With the Stars*?

A: I'm not really on that level! We had four weeks to practice. But the musical numbers were really the best part. It makes the movie special. I wish I had time to dance more.

Q: What did your daughter think of the movie?

A: She loved the dancing, the costumes, the princess part of it and, of course, the animated chipmunks.
Q: Are you tough like this character or a softie like *McDreamy*?

A: I'm somewhere in the middle. You have to have some cynicism with relationships, but you need to remember there's magic there too.

Q: Speaking of *Mc-*

Dreamy, what's next for him and Meredith?

A: I get frustrated with the back and forth. They're together; they're not together. It's time for them to move forward or break up. People are going to be surprised! — *Aimee Agresti*

Rachael's redesigned dressing room

By Rachael Ray's own admission, her dressing room at the NYC studio where she tapes her eponymous talk show was "very disorganized and overall embarrassing." To the rescue: Kristan Cunningham, a show correspondent and host of HGTV's *Design on a Dime*, who redid the room as a surprise while Ray, 39, was on vacation in September. The five-day process — and Ray's reaction — will air on the Rachael Ray show November 20 (syndicated, check listings).

Lush look No pink pillows here! "Rachael isn't girly," says Cunningham, who created a fusion of midcentury modern and '40s glamour by mixing pieces such as a \$430 Restoration Hardware chandelier and a \$189 tree-stump table from The Future Perfect and dressing the windows (previously covered by broken blinds) with floor-to-ceiling pin-tucked drapery. Custom-built cabinets hide the formerly exposed clothing racks.

Seal of approval "It's professional and cozy," Ray gushes to US about the makeover (which

totalled more than \$10,000). "I'm so excited to show it off, I hold more meetings!" — *Eric Andersson*

Unusual star baby names

Move over, Moses! New-born celeb tots spot even zanier monikers
Ever Gabo: Milla Jovovich, 31, blogged, "She's the most gorgeous little baby girl," after her daughter Ever's November 3 arrival (dad is Jovovich's fiancé, director Paul Anderson). "I'm going to be a crazy-strict mom," the actress told US before the birth.

Ptolemy John: Why did Gretchen Mol, 35, and her director husband, Tod Williams, choose Ptolemy for their son (born September 10)? Shared by a Greek astronomer and an Egyptian king, it means "aggressive."

Everly Bear: Anthony Kiedis, 45, said he named his son (born October 2) with model girlfriend Heather Christie, after the Everly Brothers, one of his fave bands, adding, "The mama came up with Bear. It's nice to have earth in your name."

Story Elias: "I just loved it," Jenna Elfman, 36, has said of the name her actor husband Bodhi, 38, thought of for their son (who was born on July 23). "What's better than a great story?" — *Sarah Grossbart*

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Tell a Sister

An HPV awareness program

Tuesday, November 27
Student Center Theatre
6:00 pm

Dr. Gregory Moore will be speaking about cervical cancer and HPV awareness among college women.

1. What causes virtually all cases of cervical cancer?
A. Hereditary genes
B. Smoking
C. Certain types of a virus
2. In the United States, how many 15- to 24-year-olds had genital HPV in the year 2006?
A. Fewer than 100,000
B. Fewer than 1 million
C. More than 9 million
3. What do Pap tests detect?
A. Pregnancy
B. Abnormal cells in the lining of the cervix
C. Urinary tract infection
4. Approximately how many Americans currently have genital HPV?
A. 10 million
B. 20 million
C. 40 million
5. In the United States, approximately how many women were diagnosed with cervical cancer in 2006?
A. 3,700
B. 5,000
C. 9,710
6. True or false, the types of HPV that cause genital warts are the same as the types that cause cervical cancer.
True
False
7. True or false, HPV always has signs or symptoms.
True
False
8. Approximately how many new cases of genital warts are diagnosed each year in the United States?
A. 1 million
B. 5 million
C. 10 million

1. C 2. C 3. B 4. B 5. C 6. B 7. False 8. A



Panhellenic

Ad and program provided by the University of Kentucky's Panhellenic Association, ukpanhellenic.com. Information from tell-someone.com

Cervical cancer and genital warts are caused by certain high-risk types of a virus called HPV.

80% of women will be infected by genital HPV infection by age 50.

Of the 4.5 million new cases of HPV in America each year, almost 75% occurred in young women and men between the ages of 15 and 24.

The virus can be transmitted even when no symptoms (such as warts or other visible signs) are present.

What do YOU know?

Tell a Sister What?



Here are 4 things you can do to make sure you're taking care of your health.

Talk with your doctor.

Your doctor is one of your best sources of information.

Get tested.

Early detection of abnormal cervical cells is key. Learn more about lifesaving Pap tests.

Get treated.

If you have been diagnosed with an HPV-related disease, talk to your doctor about available treatments.

Tell a Sister.

Once you learn about cervical cancer and the other consequences of HPV, tell someone.

NEWS BRIEF

Faculty senators can submit council nominees

Between now and noon on Friday, members of UK's University Senate can nominate themselves or fellow senators to serve on the University Senate Council.

In December, three senators' terms on the council will expire, and under University Senate rules they will not be eligible to serve on the council

again for a year.

Following nominations, the top six nominated names will go onto the ballot, and during voting in December, all voters will rank their top three picks.

The Senate Council has 12 voting members: nine selected from the 94 elected members of the University Senate, two elected student representatives

and the Student Government president. The two faculty Board of Trustees members also sit on the council, but they do not vote.

Faculty senators interested in making up to three nominations can go to the University Senate Web site (www.uky.edu/USC) and click on the "Senate Council Elections" link.

HOUSING

Continued from page 1

town to be a thriving 24/7 environment, and we won't do that by taking students out."

Learn said UK must take a more active role in dealing with the concerns of local residents and landowners. The university is growing in size to reach its goal of being a top-20 public research university, but it has "done nothing to help support this issue by looking into the housing situation," he said.

Richard Murphy, an attorney for the University Area Housing Association, a group of land-

lords who own property around campus, said landlords have an "obligation to provide safe rent to anyone, no matter what race, age, gender, etc.," and that placing limitations on who can live in a house near UK could have legal ramifications.

Student Government President Nick Phelps said many of the complaints about students stem from a lack of communication, and students moving off campus for the first time don't know what their responsibilities are as renters, so they often look to their neighbors for examples.

In discussing off-campus student housing, the council should "endorse students and build them up, not break them down by discrimination," Phelps said.

Software that 'listens' to songs could help you find new favorites

By Tom Avril
The Philadelphia Inquirer

PHILADELPHIA — Sure, you've heard U2. Hard to avoid the Irish rockers, a musical force since the 1980s.

But how do you find — let alone decide if you like — some garage band that's cut the killer new track that no one's ever heard of?

In his gleaming white lab at Drexel University, Youngmoo Kim has an answer: raw computing power.

He's an electro-DJ of sorts, part of a new wave that seeks to help consumers sift through the countless downloadable tunes on the Internet. It's a crowded field, with plenty of Web sites already promising consumers "if you like this, then you'll like that."

But most of those sites base their picks largely on what other consumers have purchased — perhaps reinforcing mass-market tastes at the expense of undiscovered gems. Kim and other researchers have embraced a more fundamental approach: using computers to "listen" to the music itself.

The technology is in its infancy, having emerged only in the last few years. And Kim, both an engineer and a trained choral singer, doubts it will fully replace the human ear or the sophisticated instrument attached to it — the brain.

But software can run through thousands of songs at a speed no consumer — or record-company executive — can match.

"It could really help democratize the music business," Kim predicted.

The concept is a new frontier for the Internet, said Eric Garland, chief executive officer of BigChampagne, a California company that analyzes sales of music downloads.

It's one thing to type in a song (or book, or movie) on a search engine such as Google, he said. But if you're looking for a recommendation, you can't very well type in a name you don't know.

"Search is great," Garland said. "Discovery is a more fundamental problem. What should I be looking for?"

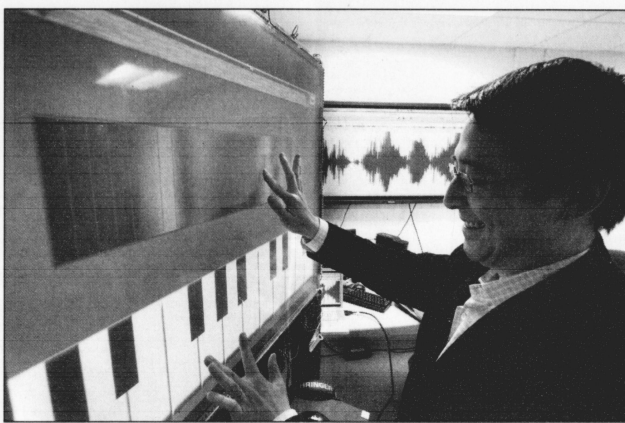
As engineering labs go, this one knows how to rock.

Someone has brought in the toy guitar from the Guitar Hero video game, which grad students are trying to tweak for use as a music-teaching aid.

A giant touch-screen stands to one side, which the engineers use to play virtual instruments that they've invented — including a "polytheremin," a souped-up version of the thing used to make those spacey "wooo-ahhh" sounds in 1950s movies.

Kim, a Drexel assistant professor of electrical and computer engineering, once sang the classics as a member of the Boston Symphony Chorus. But he knows pop.

With a few taps on his keyboard, the speakers are blaring the opening bars of "Pride (In the Name of Love)," the live version from U2's



Drexel University researcher Youngmoo Kim plays keyboards on a display interface in his lab on Nov. 7 in Philadelphia, Pa. Kim is working on software that recognizes musical patterns.

"Rattle and Hum."

A human being hears the driving guitar chords. The relentless drumbeat. Bono crying out, "One man come in the name of love ..."

But to the computer, the first fraction of a second "sounds" like this: E9 F#m A2 L4 C0 CD DA F#D E9 07 SE 06 C3 09 SE 02 ...

How to analyze that data in a way that's relevant to the human experience of listening?

It's a tough problem, one that drew hundreds of scientists to a conference in Vienna, Austria, in September.

In some ways, the ear is far superior to a computer. A person can quickly tell the difference between Aretha Franklin and your sister goofing with a karaoke machine. Computers aren't there yet.

In other ways, the machine has the edge, and not just because of its sheer speed and memory.

People are good at telling apart sounds of different frequencies in the low to middle part of the spectrum — a range that includes most of the sounds in human speech — but not so good at the high end, said David Poeppel, a University of Maryland professor of biology and linguistics.

Some of the acoustic components of the letter "s," for example, sound to us "like high-frequency noise," Poeppel said.

Yet a computer handles all frequencies equally well.

So the software developed by Kim's lab makes adjustments to mimic the way people hear — scrunching up the data from the high end of the spectrum, and spreading out the low end. A similar technique

is used in speech-recognition software.

The software then breaks a song down into 20 component wave-forms ranging from ultra-low to very high frequency — and computes how much of each one is present in the music.

It's a broad characterization of the song's musical timbre, or audio texture — whether it's smooth or spiky, soft or loud. (Other computer scientists have opted to analyze features such as tempo and rhythm.)

The program then calculates how much each of the 20 values varies when compared with the others — a process that yields a distribution of 230 numbers for each song.

The statistical "distance" between one song's distribution and another is called the Kullback-Leibler divergence.

If you like one song, in theory, you'll also like the ones that are statistically close to it.

The analysis can yield surprises.

When Kim ran the numbers for U2's "Pride," the closest song was "Low Man's Lyric," by the heavy metal group Metallica — a song Kim had never heard of.

"I'm sort of afraid of what this is," he said, as he cued up the Metallica track on his speakers.

"Very different tempo," Kim said after listening for a few moments. "And yet the harmonies are actually quite similar."

The database contained just 1,000 songs when the computer made that pick, so presumably other songs out there are even closer to U2's "Pride." Ultimately, Kim said, the best solution may be a mix of analyzing the music

and other data, like sales patterns. But there's no question that when a machine listens, it offers a different brand of insight.

"The computer has no biases built in," Kim said. "It doesn't say 'Oh, U2 and Metallica would never sound the same.'"

Can software alone get the job done? Computers have muscled into other fields that once were dominated by subjective judgment, among them scouting baseball players and fine wines.

Music industry people scoff at the notion that their ability to predict hits could ever be matched by a computer program, said BigChampagne's Garland.

But at the very least, he predicts that software such as Kim's will be valuable to consumers, enabling them to rediscover forgotten tunes among thousands on their iPods.

"Wouldn't it be wonderful," Garland said, "if someone or something could come into your own music collection and make it new?"

The challenge excites the youngish crowd of engineers who have taken it up, said Dan Ellis, an associate professor of electrical engineering at Columbia University.

"There are no real adults," he quipped.

But Ellis said the task also makes him and other researchers uneasy.

They can readily test whether their design of a bridge or computer circuit is successful. It's not so simple when they bring technology to the subjective realm of the arts.

"The problem with this is: The actual right answer is not completely clear," Ellis said.

Beware of e-mail scams this holiday season

By Richard Burnett
The Orlando Sentinel

ORLANDO, Fla. — Just in time for Cyber Monday and the online holiday shopping rush, high-tech Grinchers are cranking up their fraud attacks with a new round of bogus e-mail, identity-theft experts say.

They always peak this time of year, as millions of shoppers spend more time on the Web. Online shopping has grown at a double-digit pace in recent years. More than 70 million are expected to surf the Web this year for presents.

"We do see e-mail and phone scams picking up during the holiday season," said Linda Foley, executive director of the Identity Theft Resource Center, a watchdog group based in San Diego. "Much of it is because we are simply so distracted. Our inbox gets full; we go through it so quickly, we don't pay as much attention as we should. Scam artists try to exploit that."

From fake e-greeting cards and charity pleas to foreign lottery scams, the pace of illicit "phishing" e-mail spikes by more than 33 percent during the holiday season, according to Symantec, maker of the popular Norton computer-security software.

Unsolicted and unwanted, the often authentic-looking missives have one central purpose: trick you into giving out account numbers or other information that can be used to steal your money. They may also lure you to click on fraudulent Web sites that use malicious software to capture data from your computer.

Either way, they fish for personal data, hence the term "phishing" e-mail.

"I get them all the time, and I work in a police station," said Sandie Jernigan, who conducts crime-awareness programs in Seminole County, Fla., for the Seniors v. Crime group. "We have an e-mail filter, but it doesn't block these things. I got one last month claiming to be from Washington Mutual, telling me there was a problem and if I didn't call this specific number to verify my information, they would put a block on my account."

Jernigan didn't hesitate to hit delete, well aware of the scam tactics. Banks and e-commerce companies have guaranteed they will never use unsolicited e-mail to ask consumers for personal information or notify them about an account problem.

Many companies post alerts on their Web sites about the bogus e-mail or run commercials warning people about the threat of identity theft. Some recent ads even target the infamous "Nigerian e-mail scams," which try to entice people into sending money to the perpetrator under the guise of bogus charity or business "opportunities."

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Monday 26 th	Tuesday 27 th	Wednesday 28 th	Thursday 29 th	Friday 30 th	Saturday 3 rd
<ul style="list-style-type: none"> • Sing-A-Long at Mayfair Manor, 6:00 PM, Mayfair Manor • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Volunteering at Landsdowne Elementary, Landsdowne Elementary • BINGO at Mayfair Manor, 3:00 PM, Mayfair Manor • Volunteering at the Carnegie Center, 3:00 PM, Carnegie Center • LTMS, 11:00 AM, Cassidy Elementary • Cassidy Elementary, 8:00 AM, Cassidy Elementary • National Student Exchange Info Session, 3:30 PM, 102 Miller Hall • Cheap Seat Tuesday-Superbad, 8:00 PM, Worsham Theater (Student Center) • UK Art Museum in the Singletary Center for the Arts • STAG, 5:00 PM, SC 211 • Horizon Captains Meeting, 6:00 PM, SC 249 • Horizon Program Student Council meeting, 7:00 PM, Student Center Rm 206 • The Patterson School of Diplomacy & International Commerce Open House, 6:00 PM, 420 Patterson Office Tower 	<ul style="list-style-type: none"> • Cassidy Elementary, 8:00 AM, Cassidy Elementary • Volunteering at Landsdowne Elementary, Landsdowne Elementary • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Volunteering at the Hope Lodge, 6:00 PM, The Hope Lodge (right next to Commonwealth Stadium) • Yates Elementary, 2:45 PM, Cassidy Elementary • Volunteering at the Carnegie Center, 3:00 PM, Carnegie Center • LTMS, 11:00 AM, Cassidy Elementary • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • STAG Bakesale, Student Center • Starbuck • Kemps self-defense class, 8:00 PM, Alumni Gym Loft • National Student Exchange Info Session, 3:30 PM, 102 Miller Hall • Cheap Seat Tuesday-Superbad, 8:00 PM, Worsham Theater (Student Center) • UK Art Museum in the Singletary Center for the Arts • STAG, 5:00 PM, SC 211 • Horizon Captains Meeting, 6:00 PM, SC 249 • Horizon Program Student Council meeting, 7:00 PM, Student Center Rm 206 • The Patterson School of Diplomacy & International Commerce Open House, 6:00 PM, 420 Patterson Office Tower 	<ul style="list-style-type: none"> • Volunteer w/ Beaumont Buddies, 4:00 PM, Beaumont Middle School • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • BINGO at Mayfair Manor, 3:00 PM, Mayfair Manor • Yates Elementary, 2:45 PM, Cassidy Elementary • Cassidy Elementary, 8:00 AM, Cassidy Elementary • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • LTMS, 11:00 AM, Cassidy Elementary • Volunteering at Landsdowne Elementary, Landsdowne Elementary • Christian Scott Concert, 8:00 PM, Student Center Grand Ballroom • Project Health Meeting, 4:00 PM, Student Center Rm 115 • Volunteering at the Carnegie Center, 3:00 PM, Carnegie Center • STAG Bakesale, Student Center Starbuck 	<ul style="list-style-type: none"> • Volunteering at Landsdowne Elementary, Landsdowne Elementary • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Volunteering at the Carnegie Center, 3:00 PM, Carnegie Center • Cassidy Elementary, 8:00 AM, Cassidy Elementary • COO Board of Directors Meeting, 5:00 PM, 106 Student Center • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • LTMS, 11:00 AM, Cassidy Elementary • Yates Elementary, 2:45 PM, Cassidy Elementary • STAG Bakesale, Student Center Starbuck • 9 Ball Tournament (Qualifier), 7:00 PM, UK Student Center Cas Den • STAG Meets UK SC 211 or SC 200 • Flu Shots, 12:00 PM, 206 Student Center • DarceBlue Subcommittee Meeting, 6:00 PM, SC 203 • Celebration of Land-Grant Research/ Stokes Lecture, 2:30 PM, E.S. Good Ballroom Hall • Last Minute Job Search Strategies, 8:00 PM, James W. Stuckert Center • NextFrame Film Festival, 10:00 PM, Worsham Theater 	<ul style="list-style-type: none"> • Volunteering at the Carnegie Center, 3:00 PM, Carnegie Center • BINGO at Mayfair Manor, 3:00 PM, Mayfair Manor • Cassidy Elementary, 8:00 AM, Cassidy Elementary • LTMS, 11:00 AM, Cassidy Elementary • Sing-A-Long at Ashland Terrace, 11:15 AM, Ashland Terrace • Italian Conversation Practice, 5:00 PM, Coffea Island • Volunteering at Landsdowne Elementary, Landsdowne Elementary • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Yates Elementary, 2:45 PM, Cassidy Elementary • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Grizzly Man, 10:00 PM, Center Theater 	<ul style="list-style-type: none"> • Volunteering at the Carnegie Center, 10:00 AM, Carnegie Center • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • Volunteering at the Ronald McDonald House, 10:00 AM, the Ronald McDonald House (right next to Commonwealth Stadium) • Volunteering at the Ronald McDonald House, 6:00 PM, Arthur Murray Dance Studio • Old Master Works on Paper from the Collection, 12:00 PM, UK Art Museum in the Singletary Center for the Arts • CompLine Service, 9:00 PM, Maxwell Street Presbyterian Church • UK Art Faculty Exhibition, 12:00 PM, UK Art Museum in the Singletary Center for the Arts

SPORTS

Matthew George
Asst. Sports Editor
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Emotional loss could overshadow season

If Keenan Burton rested well Saturday night, he probably had to take a double dose of Tylenol PM. He knew what to expect.

"I'm probably going to have nightmares," the senior UK wide receiver said. He had good reason. His football team came miserably close to beating Tennessee Saturday afternoon at Commonwealth Stadium. But after fighting back from a 17-point halftime deficit to send the game to overtime, the Cats suffered perhaps the most heartbreaking loss in the series' history — a demoralizing 52-50, four-overtime defeat.

The worst part about the loss is this: The emotion of this game will far outweigh all of UK's wonderful wins this season. The Louisville game was a watershed victory. It leveled the in-state playing field, giving UK its first win over the then-No. 9 Cards since 2002, and it showed the Cats were capable of resuming their traditional role of big brother.

The win over Arkansas a week later showed UK could beat a quality team on the road, and could do so coming from behind.

The win over then-No. 1 Louisiana State in mid-October was legendary, and it will be talked about by UK football fans every fall from now until forever.

But Saturday's Tennessee result had a much bigger emotional impact.

"It's definitely probably No. 1," Burton said about this being his toughest loss at UK. "There's really nothing you can really say. You can't really explain the feeling to know we let another one slip away that we

were supposed to have." This one hurt so much because of how many chances UK had to win the game.

The game was over when UK had the ball at the Tennessee 5-yard line with 22 seconds left, trailing 31-28. The Cats weren't thinking about a game-tying field goal. They wanted to win then.

After an incompletion, the ball was moved to the 2-yard line because of a pass interference call in the end zone.

The scene: 13 seconds left, ball at the 2-yard line, one timeout remaining. That's enough for two, maybe three, plays to try to get two yards.

The first play was a 1-yard run by senior running back Rafael Little. The Cats called timeout, and lined up senior quarterback Andre Woodson in the shotgun formation with five receivers to try to win the game.

Then Woodson fumbled the snap. He picked it up, then hurriedly missed Burton wide open — seriously, really wide open — in the back of the end zone. Then the clock stopped fortuitously with one second left.

Sophomore place kicker Lones Seiber kicked a 20-yard field goal to send it to overtime, but the game should have been over by then.

That Seiber field goal attempt tied the game. His next attempt could have ended it. UK and Tennessee traded touchdowns in the first overtime. In the second overtime, Tennessee quarterback Erik Ainge was intercepted by UK sophomore linebacker Sam Maxwell. That meant all UK had to do was score 3 points to win the game.

The Cats gained 8 yards in three plays, setting up a 34-yard field goal.

"I thought it was over," sophomore defensive end Jeremy Jarmon said. "It wasn't. Seiber's kick was blocked, sending the game to a third and eventually

fourth overtime, where the Cats lost when Woodson was sacked trying to tie it up on a two-point conversion.

Two perfect chances to win the game were lost. This one also hurt so much because of how much was at stake.

Much was made this week about how UK had lost to Tennessee 22 straight times. That was important because it was the longest losing streak to one team in the Football Bowl Subdivision.

"Andre was saying, 'We're about to make history,'" Burton said about Seiber's field goal attempt in double overtime. "And I just kept looking and was like, 'we're definitely about to do it.'"

And this one hurt so much because of the 16 seniors who took the field at Commonwealth Stadium for the final time.

Woodson was magnificent, throwing for 430 yards and six touchdowns. Senior tight end Jacob Tammie caught nine passes for 104 yards and a touchdown. Little had 175 rushing and receiving yards.

They deserved to win, not because of Saturday's performances, but because of the role they played in turning the program around.

"I've never been more proud to be part of a group of guys," Tammie said. "It's extremely disappointing, but I'd rather go out and lose with those guys than go out and win with anybody else."

Tammie didn't say whether he thought he was going to have nightmares. But Burton did, and he said he doesn't expect them to stop.

He said he's still having nightmares about losing to his high school rival four straight times. This one will probably hurt a lot worse.

Jonathan Smith is a journalism senior. E-mail: jsmith@kykernel.com.



JONATHAN SMITH
Kernel columnist

FOOTBALL

Continued from page 1

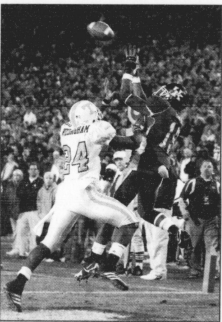
field goal by sophomore kicker Lones Seiber and forced the game into overtime at 31-31.

UK had another chance to win the game in the second overtime period following sophomore linebacker Sam Maxwell's interception on Tennessee's possession, but Seiber's 34-yard field goal attempt to win the game was blocked by Vols defensive tackle Dan Williams.

"I thought it was over," senior wide receiver Steve Johnson said. "All we had to do was get a field goal, and the game would be a wrap and the streak would be over."

Instead, the Cats had to battle for two more overtimes. Each team scored and failed on its two-point conversion in the third overtime — NCAA rules state that a team must attempt a two-point conversion following every touchdown after the second overtime.

A personal foul penalty backed the Vols to the 40-yard line instead of the 25-yard line to start the fourth overtime, but Tennessee quarterback Erik Ainge hit a wide-open Quintin Hancock for a 40-yard score, and the Vols converted on their two-point attempt, putting the Cats in a 52-44 hole.



ED MATTHEWS | STAFF
Senior wide receiver Keenan Burton beats out a punt during Saturday's game against Tennessee at Commonwealth Stadium.

The Cats, as they have done all season, responded with a touchdown on freshman

tailback Derrick Locke's 2-yard run, but the Cats' late-game heroics came up short. On the ensuing two-point try, Woodson couldn't find a receiver and tried to scramble, but Vols defensive end Antonio Reynolds slammed Woodson to the turf short of the goal line.

Early on, it looked as if Tennessee was going to cruise to Atlanta with an easy victory over UK. The Volunteers rolled over the Cats defense for 307 yards in the first half en route to a 24-7 halftime lead, including a 65-yard touchdown pass from Ainge on the first play of the game.

The Cats responded in the second half and nearly ran away with a victory at the end of regulation.

"We've won quite a few games this year coming from behind," Brooks said. "I was pretty confident, and I think our players were, that we were going to do it again after we had tied it up in regulation."

But just as they have for the previous 22 years, the Cats came up short to the Vols. Now they must try to look past their deflating loss before heading to a bowl game, and they will have plenty of time to do so in the following weeks.

"We need time right now," Woodson said, "because this is going to be something that's going to be very difficult to swallow for a while."

BASKETBALL

Continued from page 1

largest margin of victory for UK since the Cats beat Vanderbilt by 62 points in 2003.

Still, Gillispie kept the Cats in the locker room after the game to detail their mistakes on the four of Texas Southern's five second-half field goals. UK allowed four shots on one Tiger possession and left Texas Southern players open on two inbound plays. Those mistakes cannot happen later in the season, Gillispie said.

"I thought four out of the five could've been eliminated, but they weren't," Gillispie said. "We had an advantage tonight, so you have to try to stay on task, and you have to understand that we're not only playing for right now — we're playing for tomorrow and the future."

"A lot of games will come down to one basket."

Despite being dissatisfied with parts of his defense, Gillispie noted that the Cats showed marked im-

provement over their first three games.

"I was real proud of our effort," he said. "We made a lot of mistakes, but they're continuing to improve. Hopefully we'll continue on that path. We're not anywhere near where we need to be, but I think they're understanding that this stuff can work."

Freshman forward Patrick Patterson continued to shine, adding 21 points and making his first eight shot attempts. Patterson pulled down seven rebounds to match senior guard Ramel Bradley to lead the team. Bradley also made five 3-pointers in scoring 17 points.

The Cats are now less than a week away from their first big test of the season — a Dec. 1 date with top-ranked North Carolina — but Patterson and the Cats aren't focused on the Tar Heels yet. Instead, he said, UK has turned its attention to dealing with Tuesday's game against Stony Brook University.

"I can't wait to go against Tyler Hansbrough," Patterson said. "But we have to get Stony Brook out of the way first."

SPORTS BRIEFS

UK Hoops finishes seventh in Rainbow Wahine Classic

Senior center Sarah Elliott scored 23 points and grabbed 12 rebounds to lead the UK women's basketball team to a 76-55 win over Lipscomb University on Sunday as the Cats finished seventh in the Jack in the Box Rainbow Wahine Classic in Honolulu, Hawaii.

UK (3-3) finished 1-2 during the weekend tournament, falling to Minnesota 92-80 in the first round Friday and to No. 21 Texas 72-60 in the second round of the consolation bracket on Saturday.

The Cats return home Friday to host Western Kentucky in Rupp Arena at 7 p.m. The game will be televised on the Big Blue Sports Network and FSN South.

Volleyball sets school record with third straight appearance in NCAA Tournament

After finishing the regular season with a 22-9 (13-7 Southeastern Conference) record, its best since 1993, the UK women's volleyball team was selected to compete in the 2007 NCAA Tournament. The Cats will participate in the 64-team tournament for a school-record third consecutive season.

UK will play Michigan State in the first round of the NCAA Tournament in Dayton, Ohio, on Nov. 30.

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From Delaware to the moon?

Dover engineers construct garage-sized inflatable hut as a prototype for use in future lunar trips

By Faye Flam
The Philadelphia Inquirer

If NASA makes good on its promise, when astronauts land on the moon again around 2020 they won't just walk around, they'll camp out for days or even weeks, eventually constructing a permanent moon base.

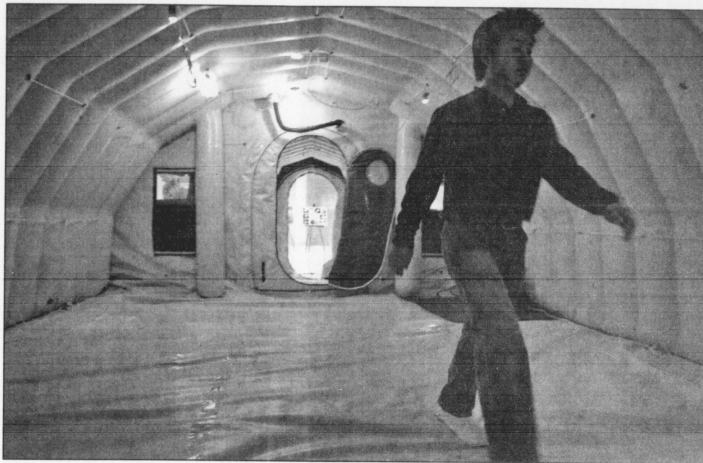
To do that they'll need a shelter that protects them from the hazards of radiation, 600-degree temperature swings, and the occasional pebble flying by at 17,000 miles an hour.

This month, a small Delaware company unveiled an early prototype — a garage-sized inflatable building. Over the next few days, engineers at ILC Dover will deflate it and ship it to Antarctica, where it will be tested under 100-mph winds and temperatures as low as -60.

But that's mild compared to the moon. "It's a rather nasty place," said planetary scientist Bruce Betts. Because the moon is well beyond Earth's protective magnetic field, you get bombarded by deadly particle and light radiation from the sun and from deep space, said Betts, who works for the Planetary Society in California.

There's also the danger of heat, since a given part of the moon gets about 14 earth days straight of sunlight and then 14 of darkness. "The sun could really cook you," Betts said.

And of course there's no air,



Todd Hong, a NASA instrumentation engineer, walks through the inside of the Deployable Habitat, which was constructed by Frederica, Del., company ILC Dover, in conjunction with NASA.

which is not just essential for breathing but also insulates us earthlings by diffusing heat.

In considering the problem of shelter on the moon, the ILC Dover engineers decided on a sort of inflatable hut made from

urethane. Over the last few months they built a garage-sized prototype for NASA engineers to inspect.

The upside of a blow-up house on the moon is its relatively easy to ship and set up.

The downside would be the potential for leakage, but Scheir said the cool blue half-cylinder with its cute igloo-style entryway is tougher than it looks.

It boasts two layers of insulation in addition to an inner

skin, an outer inflatable layer, an inner inflatable layer and a liner. Sandwiched between are sensors to detect weakness, tears, or changes in air pressure.

Once the habitat is set up at

In the manufacturing plant of ILC Dover in Frederica, Del., a Deployable Habitat unit that will be sent to and tested in the Antarctic in January, gets some last minute attention from project engineers Craig Scheir, left, Scott Hafermalz, center, and Todd Hong.

Antarctica's McMurdo station, Scheir and other engineers will test it against the harsh conditions there.

What they learn should help them make a version of the structure that's spaceworthy, he said, and the National Science Foundation is also eyeing the design for use by Antarctic scientists and explorers down there.

Other companies will also develop competing designs for NASA, though ILC Dover's is the first.

On the moon, one of the biggest hazards comes from the stray pebbles and sand grains that create shooting stars when they hit Earth's atmosphere. The moon has no atmosphere to burn them up, so they hit like tiny bullets.

If NASA chooses this concept, Scheir said, ILC might eventually include a kind of self-healing capability. They would use what's called biomimetics — engineering that imitates the biological world — perhaps with an embedded gel that would automatically coagulate around a cut or puncture and create an artificial scar.

Over the last several days, NASA engineers Todd Hong and Scott Hafermalz were installing sensors to monitor temperature, pressure and other critical variables. They plan to spend several weeks at McMurdo Station in January and train a winter crew to monitor it over the next year.

Presidential primaries in Iowa and N.H. still up for grabs

By David Lightman, William Douglas and Matt Stearns
McClintock Newspapers

MANCHESTER, N.H. — Despite what many political experts, campaign officials and media outlets keep insisting, there's no frontrunner in either the Democratic or Republican race for the White House.

Huge numbers of voters in the early primary and caucus states of Iowa and New Hampshire remain undecided and, in many cases, unimpressed by major candidates.

"There's a lot of confusion among people right now," said Pamela Choquette, a social worker from Pittsburg, N.H. "They're undecided."

Voters are saying that, as in past years, they won't make up their minds until they cast their votes at Iowa's Jan. 3 caucuses or enter the voting booth five days later in New Hampshire.

Adding to the volatility are the rules

in both states — New Hampshire lets independents vote in either the Democratic or Republican primary, and Iowa's Democratic caucus rules often prod participants to change to second or third choices.

As a result, Dennis Goldford, professor of politics at Drake University in Des Moines, summed up the mood with four terse words: "The races are fluid." Wayne F. Lesprance, an associate professor of political science at New England College in Henniker, N.H., finds a general consensus on what will make voters finally pick a candidate.

"At the end of the day," he said, "electability will make the difference." The discomfort and unpredictability is evident in the numbers and in the chatter in the nation's early voting states.

David Bowen, an independent voter and thus part of a huge bloc that traditionally decides New Hampshire presidential primaries at the last minute,

says he has a candidate in mind. He's always liked Arizona Republican Sen. John McCain, but he's still not ready to commit.

The University of New Hampshire Survey Center has found huge numbers of people like Bowen, still trying to grasp and then finish the process. Though its Nov. 14-18 survey of likely voters put former Massachusetts Gov. Mitt Romney significantly ahead of the Republican pack, it also reported that only 14 percent of likely GOP voters said they have definitely made up their minds.

And, it found, while 29 percent are leaning toward a candidate, a whopping 57 percent are still looking.

The poll saw similar trends among Democrats, as only 24 percent of that party's voters have definitely decided on a candidate, 29 percent are leaning — and 47 percent are still looking.

An ABC News-Washington Post survey in Iowa taken during the same

days found a similar bloc of voters still uncertain about their choice.

The reasons for all this instability vary, but the surveys and voter interviews suggest several factors are in play. Among them:

■ The electability factor. "Think about the top Democratic candidates," said Andrew E. Smith, New Hampshire poll director. "They're all about evenly liked by voters. They're all about the same on the issues."

But New York Sen. Hillary Rodham Clinton's negatives worry a lot of Democrats, who see her as a potentially flawed nominee before the general election race even begins. Illinois Sen. Barack Obama, on the other hand, is seen as a fresh face — in some quarters, too fresh.

■ The independents. Forty-three percent of New Hampshire voters are registered as independents, meaning they can vote in either primary. They're historically unpredictable, and in the

past made most pre-election polls look almost irrelevant.

■ The Iowa caucus procedure. In the Democratic caucus, a candidate must get 15 percent of his precinct caucus or he gets no delegates and is reported as receiving zero.

■ Voter education. People in the two states know they have the opportunity to meet the candidates, or at least question their supporters.

■ An unusual Republican race. Since 1964, Republicans have generally won up anointing the logical candidate. This time, though, "there's no one next in line," said Goldford, since Bush can't run again and Vice President Dick Cheney is not running.

Add to that another wild card: Bush is highly unpopular, so it's not clear whether GOP candidates should actively criticize him, not mention him or try to at least woo the small band of Republicans who still like the president.

Graduate School Dissertations

<p>Name: Nancy Gerdie Blum Program: Educational Policy Studies & Evaluation Dissertation Title: Leaving Home: Paradoxical Nursing Education and Nurse Veterans' Use of the G.I. Bill Major Professor: Dr. John Thelin Date: 11/27/2007 Time: 12:00 P.M. Place: TEB 151</p>	<p>Name: William Rodney Cooper Program: Entomology Dissertation Title: Chestnut Defenses Affect Generalist and Specialist Herbivore Responses and Influence Community Dynamics Major Professor: Dr. Lynne Reeske-Kinney Date: 11/26/2007 Time: 1:00 P.M. Place: Rm. 202 Dimmock Bldg.</p>	<p>Name: Tamara Brown Craft Program: Rehabilitation Sciences Dissertation Title: Health Related Quality of Life Assessment: Domain Importance in Patients with Aphasia Major Professor: Drs. Jodelle Deem and Anne Hanson Date: 11/26/2007 Time: 10:30 A.M. Place: CTW 216</p>	<p>Name: Eder Mohammed Deras Program: Mechanical Engineering Dissertation Title: Integrated Thermo-Mechanical Investigations of Friction Stir Processing of Light Weight Alloys Major Professor: Dr. Marwan K. Khraisat Date: 11/29/2007 Time: 10:00 A.M. Place: 220K CRMS</p>	<p>Name: Balasubramanian Balachandran Program: Civil Engineering Dissertation Title: Static, Buckling and Dynamic Analysis of Nonlinear Piezothermoelastic Plates Using Resistor-Matrix Theory Based on a Mixed Hierarchical Finite Element Formulation Major Professor: Dr. George Blankford Date: 11/26/2007 Time: 2:50 P.M. Place: 120 OHR Bldg.</p>	<p>Name: Wayne Winter Peoby Program: Musicology Dissertation Title: Music and Poetry in the Settings of Shakespeare Sonnets by C. Puffert H. Perry Major Professor: Dr. Kate Covington Date: 11/26/2007 Time: 2:00 P.M. Place: LCL 224 Niles Conference Rm. Fine Arts Library</p>
<p>Name: Gargi Ghosh Program: Chemical Engineering Dissertation Title: A Whole Cell Based Biosensor for Monitoring Physiological Toxins and Early Screening of Cancer Major Professor: Dr. Kimberly Anderson Date: 11/26/2007 Time: 11:30 P.M. Place: CRMS Bldg. # 209</p>	<p>Name: Kristi Michelle Green Program: Microbiology Dissertation Title: Mechanistic Studies of Interspecies Pion Transmission Major Professor: Dr. Glenn Telling Date: 11/27/2007 Time: 2:00 P.M. Place: MN-463</p>	<p>Name: Ju Hyoeng Jeon Program: Biomedical Engineering Dissertation Title: Controlled Release of Coculture Modulates Stimulates in vitro Cellular Activity and in Vivo Local Bone Regeneration Major Professor: Dr. David Puleo Date: 11/29/2007 Time: 9:00 A.M. Place: Warner-Gren Bldg. #116</p>	<p>Name: Yut Michael Kyachkin Program: Microbiology Dissertation Title: The Role of Herpes Simplex Virus Type 1 Glycoprotein L in Virus Entry and Cell Fusion Major Professor: Dr. Robert Geraghty Date: 11/29/2007 Time: 9:00 A.M. Place: MN-563</p>	<p>Name: Mehmet Kozan Program: Mechanical Engineering Dissertation Title: Characterization of Colloidal Nanoparticle Aggregates Using Light Scattering Techniques Major Professor: Dr. M. Pinar Menguc Date: 11/27/2007 Time: 12:00 P.M. Place: 275 RIGAN Bldg.</p>	<p>Name: Rebecca Cook Miller Program: Musicology Dissertation Title: The Melodies of Jacques-Benoit A Survey and Performer's Guide to Thirteen Selected Songs for Voice with Piano accompaniment Major Professor: Dr. Schuyler Robinson and Dr. Noemi Lugo Date: 11/30/2007 Time: 1:00 P.M. Place: Study Rm. 5, Fine Arts Library</p>
<p>Name: Phyllis Ann Platt Program: Social Work Dissertation Title: Innovation Diffusion and the Institutionalization of Kentucky's Family Resource and Youth Services Centers: A Multiple Case Study Major Professor: Dr. Janet Ford Date: 11/27/2007 Time: 9:30 A.M. Place: Rm A, 18th fl. POT</p>	<p>Name: Dineeh Puppala Program: Pharmacology Dissertation Title: Targeted Degradation of Aryldihydroquinone Receptor by Peptides Approach: Potential Approach for Cancer Prevention Major Professor: Dr. Hollie Swanson Date: 11/27/2007 Time: 10:30 AM Place: MN-363 UKMC</p>	<p>Name: Sean Phillip Riley Program: Microbiology Dissertation Title: Characterization of the <i>Staphylococcus aureus</i> EffR Gene Regulatory Network Major Professor: Dr. Brian Stevenson Date: 11/26/2007 Time: 1:00 P.M. Place: MN- 263</p>	<p>Name: Michelle Ann Sama Program: Pharmacology Dissertation Title: Characterization of the CYP1A1 Pathway in Astrocyte-based, Immuno-inflammatory Processes and with Alzheimer's Disease Pathology Major Professor: Drs. Philip Landfield and Christopher Norris Date: 11/28/2007 Time: 1:00 P.M. Place: MN-363 UKMC</p>	<p>Name: Debra Lynn Bright Huss Program: Psychology Dissertation Title: Comorbidity of Pediatric Migraine and Sleep Disturbances: The Role of Dysfunctional Autonomic Nervous System Major Professor: Dr. Richard Milich Date: 11/19/2007 Time: 12:30 P.M. Place: Kastle Hall</p>	<p>Name: Havi Prakash Subramanian Program: Microbiology Dissertation Title: Examination of the Glycoprotein and Receptor Interactions Necessary for the Herpes Simplex Type 1 Spread Major Professor: Dr. Robert Geraghty Date: 11/28/2007 Time: 9:00 A.M. Place: MN 363</p>
<p>Name: Channing Wang Program: Electrical Engineering Dissertation Title: Dynamic Voltage Scaling for Priority-Driven Scheduling Distribution Real-time Systems Major Professor: Drs. Henry Dietz and William Dettle Date: 11/29/2007 Time: 2:00 P.M. Place: FPAT 453F</p>	<p>Name: Lsi Wang Program: Nutritional Sciences (PhD) Dissertation Title: Modulation of Endothelial Cell Activation by Omega-3 and Omega-6 Fatty Acids Major Professor: Dr. Bernhard Hennig Date: 11/29/2007 Time: 9:00 A.M. Place: NURS 502A</p>	<p>Name: Althea Webb Program: Educational Policy Studies & Evaluation Dissertation Title: The Limits of Branchial Sisterhood: The Phyllis Wheatley Branch of the NCA in Louisville, KY Major Professor: Dr. Karen Tice Date: 11/27/2007 Time: 3:30 P.M. Place: 131 TEB</p>	<p>Name: Matthew Collins Weisenberger Program: Materials Science and Engineering Dissertation Title: Applications of Multilayer Carbon Nanotube Composites: Mechanical, Electrical, and Thermal Properties Major Professor: Dr. Eric Guhrke Date: 11/26/2007 Time: 2:00 P.M. Place: #120 Raymond Bldg.</p>		

OPINIONS

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■ KERNEL EDITORIAL

Instant messaging innovative design for national charity

UK is one of 32 schools across the country that have partnered with Microsoft to raise funds for a variety of charitable organizations by doing what college students do best: talking online.

In the I'm Initiative, Microsoft will be donating a portion of money generated from advertisements every time a student downloads Windows Live Messenger, the Kernel reported Nov. 20. Students are able to choose from one of 10 organizations to donate the revenue to.

This innovative way to raise money is an excellent idea that allows college students, who are usually short on extra money of their own, to give to organizations they'd like to support.

Many charities and fundraisers require a lot of time and money that students might not have while they balance studying, bills and a part-time job. This can limit how active students are able to be in raising money or

awareness for an organization they might have a passion to support.

The I'm Initiative allows students in situations like this to support a variety of charities without requiring much extra time. Everyone at UK should be encouraged to join the 250 students who have already downloaded the program as of last Tuesday. This relatively simple opportunity to raise funds should not be passed up.

Many charities and fundraisers require a lot of time and money that students might not have while they balance studying, bills and work.

As well, Microsoft's persistence in using both its prominence and innovative staff to develop events like the I'm Initiative is something that should be admired.

Other companies should be actively pursuing ways to give back to the world that they have profited so much from.

Both Microsoft and the students who have taken the time to organize the I'm Initiative at UK should be commended for their efforts to promote such an easy and accessible charity.

New shuttle services create easy transport to hospital and clinic

With the opening of the new Hospital Parking Garage last week, UK will have new shuttle services for both UK Chandler Hospital and Kentucky Clinic, the Kernel reported Nov. 19. These shuttle services will be an excellent benefit for both visitors and students at UK.

The services, which are aimed at visitors and patients to the hospital, will help eliminate traffic congestion in the area. They will give many visitors a much easier time traveling to both the hospital and clinic.

Limited parking around UK's campus has always created transportation problems for both students and visitors who are taking advantage of UK's facilities. It's encouraging to see both the Parking and Transportation Services

and the Hospital Parking Garage taking steps to eliminate as much hassle as possible.

Separate from the shuttle services provided for students by the PTS, the new shuttle service is aimed at patients and visitors to the hospital and clinic. This is another good step in strengthening the relationship between UK and the surrounding community, as students are not the only people who need to visit these buildings.

Limited parking around UK's campus has always created transportation problems for both students and visitors.

The new garage and these areas on campus both easy and convenient is important to the success of the new facility. Administrators behind the decision should be commended for their efforts to improve transit around campus.

■ LETTER TO THE EDITOR

Replace academic buildings before Rupp Arena

As city and university leaders debate the feasibility of constructing a new basketball arena, one must consider the existing campus facilities and their current state.

While Rupp Arena was constructed in 1976 and is undoubtedly one of the nicest college basketball facilities in the nation, the condition and appearance of the White Hall Classroom Building is a different story.

Seven years older than Rupp, the classroom building is the heart of UK's campus and, along with the William T.

Young Library, arguably the face of academics at the university as a whole. The original Student Center was constructed in 1937!

I understand that UK is known far and wide for the tradition and prestige of the basketball program, but above all, UK is the flagship university of the state of Kentucky. This should be seen in the quality of our learning facilities.

Taylor Mayer
Finance sophomore

Submissions

Send a guest column or letter to the editor to Opinions Editor Linsen Li. Be sure to include your full name, class, major and phone number (for confirmation).

E-mail opinions@kykernel.com

Columnists Needed

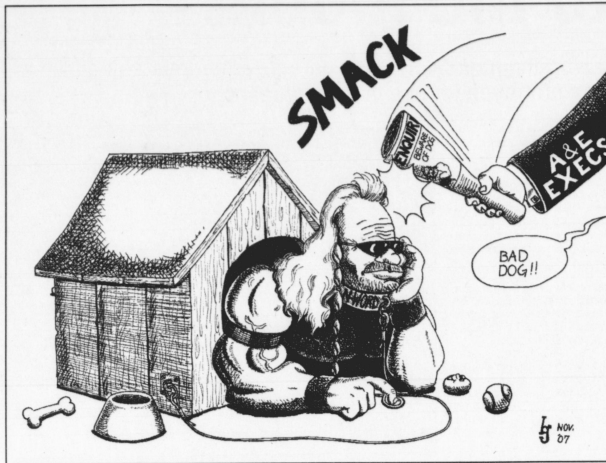
The Kernel is looking for columnists, especially those with an interest in campus and local issues, to write for the opinions page on a regular basis.

E-mail opinions@kykernel.com

Cartoonists Needed

The Kernel is looking for a cartoonist to draw pieces for the Opinions page on a regular basis. Those who have an interest in campus and local issues will be given special attention.

E-mail opinions@kykernel.com



BRIAN GOODLEY, Kernel cartoonist

Preparing for future is important, but taking a break can be fulfilling

For the longest time, keeping a perfect grade point average was my No. 1 focus in life.

I know this is not helping the Asian stereotype, but growing up in China, I was led to believe that only by excelling in academics would I be able to succeed in life.

Here is how the subject was explained to me: Keeping good grades will help you get into a desired college, then a desired graduate school; and receiving a diploma with distinction will help you land a high-paying job and consequently a comfortable, secure life.

In many ways, it makes sense. That's why even after moving to the United States, that mentality remained solidly ingrained in my mind.

Although I became steadily lazier as external pressure from teachers and competitive peers decreased dramatically, I never dared to question the celestial status of almighty academic excellence.

Until I entered college, that is. During the past 2 1/2 years at UK, I have gradually learned that while achieving academically is certainly important, life is more than mundane class work. I learned to enjoy my best years while being a responsible student.

My grade point average did take a slight drop, but my GPA of 3.8 is not much different from 3.94 to an employer or an admissions officer. In terms of the time I spend studying, however, the difference is night and day.

With the extra time in hand, I can now play pick-up basketball, go to the movie theater and support our Wildcats at sporting events.

The academics-only behavior is similarly displayed among students in the United States, except with a slight twist. Some high school students join club after club, volunteer all over the community and play the not-so-popular sports not because they want to, but because they want their college applications to stand out.

This is not to say that all high school students with an outstanding resume are superficial and driven by self-interested motives alone. However, if a student claims membership in literally all the clubs of their high school on their resume, one has to question that student's sincerity and commitment.

Surely you have noticed an over-achieving pre-med student or two around you. These busybodies spend many a sleepless night writing biochemistry lab reports and studying for the Medical College Admission Test, volunteering at the Kentucky Children's Hospital or a nursing center, and they still have time to conduct research on new cancer treatments.

I once asked a pre-med friend of mine who exemplifies all of the above behaviors why she puts herself

through this torturous process. She admitted that she does not enjoy much of what she has to go through.

"Then why are you doing this?" was my natural follow-up question. Medical schools are picky and the competition among the applicants is brutal, she said, and the only way to be sure was to be more prepared than everyone else.

With graduation still a year and a half away, one has to wonder how she will survive the four long years in medical school.

Preparing for the future and enjoying life are not contradictory, nor are they mutually exclusive.

Instead of choosing the activity you think the employer or the admissions officer wants, choose the one you enjoy the most. To enjoy your years in college, you should think beyond your academic transcript and resume.

The future is certainly important, but if we spend our best years in life as academic hermits and adhere solely to the guidelines of graduate school applications, chances are we will regret it later in life.

John Lennon said, "The time you enjoy wasting was not wasted." Take it for what it's worth.

For the overachievers out there, as you burn the midnight lamp getting ready for finals week, take a short break and think about the ways to make your life more fun and fulfilling.

Linsen Li is a history and journalism junior. E-mail li@kykernel.com.

Owning a pet is a big commitment; know responsibilities before adopting

After a rough day at school, there's nothing more pleasant than being greeted at the front door by my large, furry, tail-wagging friend.

Adopted from the Lexington Humane Society a few months ago, Bear has provided me with much joy and is, without question, the best roommate I've had yet. As most pets will, my dog has given me a lifestyle of selflessness and constant devotion in exchange for companionship.

Having grown up with animals as a child, I also get a sense of nostalgia by welcoming a pet into my household.

There are many reasons why people choose to own pets, but are they the right ones? When deciding to choose a dog, cat, hamster or even just a fish to bring into your home, you must first think of the many commitments that come with having an animal. Some require more effort than others, but there's always a guarantee that whatever you choose to own will entail time and money.

Somehow I've found a way to make it work, but I first had to consider the needs of the animal before allowing my impulsiveness to prevail.

Owning a pet can get expensive. Buying food and chew toys on a regular basis adds up. I've had to budget and cut back on spending in order to pay for high veterinary bills. I've learned to readily fork out a couple hundred dollars whenever my dog gets sick or just needs a checkup. Unexpected costs can come at any time, so I've always had to have a way to afford them.

Even before the costly additions to having a pet, I had to make sure that this decision wouldn't prevent me from having a place to live. My search for a pet-friendly landlord was difficult, but I managed to find one. Most proprietors will also charge a fee for having a pet and expect payment for any damages that a dog or cat may create.

Getting a pet is not a wise decision for a student with a hectic schedule. I always need to make sure that I allow enough time to be with the dog. I had all day over the summer to take Bear to the pet store or to run at the Arboretum, but after school started up again, my schedule changed drastically.

Between class and work, it can be difficult, but I can never neglect the responsibility. Going for walks in bad weather, for instance, has been a difficult experience as I manage my time with the dog.

Finding a pet-sitter when I go out

of town is another obstacle I'm faced with now and then. Whether or not you have enough time to devote to the pet is important to consider.

After weighing the pros and cons to having a pet, I also needed to decide whether to buy or adopt. It wasn't much of a question because I knew that adopting a dog would ultimately be a better choice.

Adoption fees are fairly low, most pets are already spayed or neutered, and if they're already grown, it's likely that they'll already be trained. I also felt that it would be more charitable to provide for a creature that's in need of a home.

Owning a pet is very rewarding, but it's important to consider all that comes with doing so.

If I can keep up with my dog's needs (as well as my own) in exchange for loyalty and unconditional love, then the situation is win-win.

But I know many people who want to get pets but just don't have the time or money to invest. If this is you, then I recommend something that requires a little less commitment. Maybe that's why rocks can substitute as good pets for some.

As long as a person has the mentality to provide for an animal's many needs, a pet can certainly provide many rewards in return.

Kristen Roebker is an anthropology junior. E-mail opinions@kykernel.com.



KRISTEN ROEBKER
Contributing columnist

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New drug proves powerful in helping smokers quit

By Josh Goldstein
The Philadelphia Inquirer

PHILADELPHIA — Anthony Tarducci has tried to quit smoking many times over the last 25 years. He's gone cold turkey, slapped on the patch, even taken antidepressants. Nothing worked.

On June 23 he tried again, this time with a powerful new aid: Chantix — the antismoking medicine that was approved for sale in the United States 18 months ago.

Today, the 45-year-old considers himself an ex-smoker, and he credits the drug with enabling him to kick his more-than-a-pack-a-day habit.

"What I found with everything else I tried was I still had that urge, I still had that craving," says Tarducci. "When I was on Chantix I never had any of that. I just didn't want to smoke anymore."

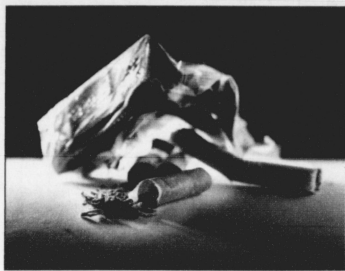
And that, in a nutshell, is the difference between Chantix and other antismoking pharmaceuticals.

The others substitute a cigarette's nicotine — the component that makes it physically addictive as well as pleasurable — with their own. Smokers can then quit the habit while getting their nicotine-induced pleasure elsewhere.

Chantix, on the other hand, was designed to give pleasure without nicotine.

The Pfizer drug, whose scientific name is varenicline, appears to work in two ways: It blocks nicotine from binding to receptors in the brain that trigger the release of dopamine, a chemical neurotransmitter that generates feelings of pleasure. At the same time, Chantix stimulates the brain to release some dopamine, which reduces symptoms of withdrawal.

But Chantix is still far from



ERIC MENCHER | PHILADELPHIA INQUIRER
Though far from a cure-all, the drug Chantix is proving to be a powerful aid in weaning smokers from their cigarettes.

a sure thing. Less than half of smokers manage to stay off cigarettes during the typical 12-week prescription. Even fewer, just one in four, remain smoke-free after a year.

Head-to-head comparisons have found it gets significantly better results than other anti-smoking aids. Researchers reported in the Journal of the American Medical Association last year that 23 percent of Chantix users still weren't smoking 12 months later vs. 15 percent of those who relied on a commonly used antidepressant, bupropion, and fewer who quit cold turkey.

"Chantix is the most effective FDA-approved treatment for smoking," says Freda Patterson, a project director at the University of Pennsylvania's Transdisciplinary Tobacco Use Research Center. "Still, only a fraction of smokers looking to quit do so effectively."

The reason, as she and other scientists have known for years, is that "smoking is a behavioral as well as a biological

addiction." So while Chantix seems effective at blocking the biological impulse, many smokers still can't break habits that they have integrated into their lives over decades — lighting up automatically after meals, for example, when stressed.

Changing her routine has been the challenge for Vienna Leoncavallo, who started smoking in her teens.

After using Chantix for six weeks so far, the 57-year-old says she no longer feels the need to smoke. Yet she's still smoking.

"With me, it is totally the habit," she says. "I just can't get rid of those two little cigarettes with my morning coffee."

Even so, Leoncavallo is pleased with the results of using Chantix, and doesn't mind shelling out the \$125 for a 30-day supply of shrink-wrapped tablets.

"They are not cheap," she says, "but they are cheaper than cigarettes."

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Supreme Court agrees to hear historic Second Amendment case

By Michael Doyle
McClatchy Newspapers

WASHINGTON — The Supreme Court on Tuesday agreed to consider a challenge to Washington D.C.'s strict handgun ban, setting up one of the biggest Second Amendment cases in U.S. history.

Without comment or a recorded vote, the court announced that it would hear the gun ban challenge next year. The case returns the high court to a question it last considered in 1939: Whether individuals, outside of a state militia, enjoy a constitutional right to own firearms. Oral arguments are likely in the spring, a decision by the end of June.

"Clearly, the Supreme Court wants to decide the core question of what the Second Amendment means," said Dennis Henigan, the legal director of the Brady Center to Prevent

Handgun Violence, in an interview.

Henigan's opponents in the gun debate, even those who disagree violently over the merits, concur that the case entitled District of Columbia v. Heller could produce a landmark ruling.

"It's a very big deal," Alan Gura, the leading attorney in the challenge to D.C.'s tough gun laws, said on the Supreme Court steps Tuesday afternoon. "Laws that disarm people, laws that leave people defenseless, are going to fail."

The case puts the Second Amendment's wording, long subject to academic debate, front-and-center.

In full, the amendment states:

"A well-regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear arms shall not be infringed."

In its unsigned order Tuesday, the Court said it would consider whether the Washington D.C. law violates "the Second Amendment rights of individuals who are not affiliated with any state-regulated militia, but who wish to keep handguns and other firearms for private use in their homes."

Put another way, the court will be deciding whether the constitutional right to bear firearms is an "individual" right or one that's attached to a state interest in maintaining a militia. If the court decides that it's an individual right, it will be easier for proponents of gun ownership to challenge other gun restrictions.

"For over 70 years, the court has refused to answer the question of whether the right to bear firearms is an individual right," said Clark Neily, another attorney challenging D.C.'s law.

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