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Panel addresses misconceptions of Islam



Mariam Bailey, a Muslim student, addresses the audience at the "UnderstandingIslam" panel discussion. Her topic of discussion was "the role of women in Islam."

◆ The panel of two students, a faculty member and a community member discussed women's rights in Islam, contemporary Islam and Islam's relationship with the West.

Ayren Jackson
Assistant News Editor

As the seats of the Talley Student Center ballroom began to fill with students, faculty, staff and community members, a group of six women, clad in headscarves, gracefully made their way to the front of the room, greeting guests and embracing friends as they made their way to their seats.

"This is Islam," was not only the message these women came to share, it was also the message of the entire evening - Islam is love, kindness and righteousness.

Tuesday night the misconceptions and rumors that have surrounded the Muslim religion ever since the Sept. 11 attacks and that have twisted the beliefs and values of Islam were addressed and discussed at a panel discussion. These rumors have included everything from the idea of the subservient women in Islam to the use of the word "jihad" to equal "holy war." According to Muslims, these rumors are false - Muslim women are individuals and "jihad" actually means "to struggle."

Sponsored by the Union Activities Board's International Activities Council, the Muslim Student Association and the Park Scholars, "Understanding Islam" was an attempt to address these rumors and others, in hopes that the N.C. State community could better understand what the true Islamic religion is all about.

The main goal of the discussion was to "educate students on campus and clear any misconceptions [students] may have about Islam," said Anuj Dhawan, chair of the International Activities Council. "Islam does not stand for terrorism. It is a religion like any other. It is just that a small percentage have distorted it."

The panel consisted of Akram Khater, associate professor of history and Islamic studies at NCSU, two students and one community member. The panel discussed the meaning of the religion, the role of women in Islam and contemporary views of Islam.

With more than 8 million Muslims living in America today and Islam being one of the fastest growing religions worldwide, officials believe that

especially in the wake of Sept. 11, it is important for non-Muslims to understand the Islamic religion.

The first speaker, freshmen Mariam Bailey addressed the role of women in Islam. According to Bailey, Islam views a woman as an individual. In addition, men and women in Islam are complementary, thus contradicting the rumor that women have no rights in Islam.

"Women are not forced to cover their hair ... they do it when they are ready," said Bailey, who began covering her hair with a hijab, or headscarf, in the sixth grade.

Bailey also noted that the Muslims who follow Islam do not believe in the mistreatment of women. But those who follow "culture" in Islamic countries have no regard for the mistreatment of women.

"This is the behavior that Islam condemns," said Bailey. "The Koran says that men shall not mistreat women at all. Men are supposed to protect women from such crimes."

Khater discussed the idea of Islam and the West on a collision course. He said that Islam is not a single unit.

"Islam is a very diverse world," said Khater. "And as much as people on both sides try to separate Islam and the west, it is impossible."

Khater added that "all Muslims do not think the same thoughts," and to blame all Muslims for the actions of one man - Osama bin Laden - is wrong.

"We must address the doomsday of civilization not the clash of civilization," said Khater.

The discussion ended with a question-and-answer session, in which Muslims and non-Muslims asked the panel questions of their own pertaining to Islam.

According to sophomore Ahmed Ali, there are three major sins in Islam, as outlined in the Koran: disassociating with God, disobeying one's parents and murder. Ali said that the Koran states, "He who kills one human, kills all of humanity. He who saves one human, saves all of humanity."

Muslims and non-Muslims who attended the discussion agreed that Islamic beliefs are ultimately very strong and deep-rooted. Muslims believe in one, unique God. They believe in the prophets, amongst whom include Muhammed. They believe in a "Day of Judgement," and in the accountability for one's actions on that day. They believe in life after death. And Muslims believe in destiny.

This is their faith. This is Islam.

Boston U. program looks at how the brain works

◆ Boston University is one of many schools expanding programs in neuroscience to accommodate increasing numbers of students interested in the field.

Zak Bos

The Daily Free Press (Boston, U.S.)

(U-WIRE) BOSTON - Scientists at Boston University are now using new computer technology to understand the most complex and mysterious "machine" known - the human mind.

To do this, scientists, such as Professor Nancy Kopell, are using state-of-the-art computer modeling techniques to understand the complex interactions between neurons which generate our awareness of the world.

Because the human mind is still not clearly understood, novel discoveries are quickly being made in the field of neuroscience. Boston University is one of the schools across the nation that is expanding programs in neuroscience to accommodate increasing numbers of students interested in the field.

The newly created Program in Mathematical and Computational Neuroscience offers graduate and post-doctoral students training in neuroscience if they have had experience in the physical sciences.

"Neuroscience is truly one of the most exciting frontiers in science," said Nancy Kopell, professor of mathematics and statistics and co-director of the new program.

The creation of the PMCN was supported by \$1.75 million from the Burroughs Wellcome Fund, a private and independent foundation whose self-stated mission is to "advance the medical sciences by supporting research and other scientific and educational activities."

The PMCN will not grant degrees. Rather, enrollees will earn degrees from either the recently created Program in Neuroscience or the Department of Biomedical Engineering.

This interdepartmental cooperation is characteristic of BU's neuroscience programs, which include the Center for Adaptive Systems and the Department of Cognitive and Neural Systems.

Kopell emphasized the interdisciplinary character of PMCN.

"The people from this program, the faculty involved, come from departments in [the College of Arts and Sciences] and [the College of

Engineering]. [They] work in a variety of fields, and are all enthusiastic about jointly helping younger colleagues to become neuroscientists."

What the Computer Metaphor Shows Us

While programs in the department are geared primarily to professional researchers and graduates, BU undergraduates are also playing a role in neuroscience work.

Sean Wright, a junior studying cognitive neuroscience in the University Professors Program, participated in Professor Howard Eichenbaum's recent experiment examining the formation of memory.

"Essentially, I fed Fruit Loops to rats," Wright said. "I was involved in the data collection for the behavioral task that the rats had to do. It's not very glamorous, but the data collection is obviously the first step in a successful experiment."

Eichenbaum, co-director of the PMCN and professor in psychology, directed the experiment, which tried to figure out the importance of the hippocampus, a part of the brain, in remembering the order of a sequence.

"We exposed the rats to a sequence of five odors because olfaction [smell] is the primary sense for a rat," Wright said. "Once they were able to do this 'temporal order' task, we lesioned their hippocampus, and then tested them to see if they could still do the task."

The rats which still had their hippocampus could still do the task, but the wounded ones could not.

"The lesioned ones could tell you, 'Hey, I know I smelled thyme, but I don't remember if it came before or after fennel,'" Wright explained. "So it seems that the hippocampus is necessary to mediate the temporal relation between things."

Wright still wanted to find out more about the role of the hippocampus. It was first thought to be primarily spatial, encoding some kind of map of the environment.

More recently, labs from another BU professor, Eichenbaum, show the hippocampus has a more general role. Apparently, it is important for encoding all sorts of relations.

Wright is optimistic about the benefits that can be gained through the application of more powerful computing resources to neuroscience.

"I think good ideas are more important than better technology," said Wright, although he asserts that better technology is an integral piece of the puzzle.

Wright said he thinks the computer metaphor is

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Researchers question positives, negatives of airplane automation

◆ According to one NCSU researcher, it is important for airplane pilots to be aware and alert of all air situations.

Brigid Ransome

Staff Reporter

With the ever-increasing rise of automation in today's society, many are wondering if the trend of technology is really the blessing we deem it to be.

Yes, it is undoubtedly true that the breathtaking advances that have been made in terms of technology have boosted economies and propelled us to really capture all that this world offers. However, despite this, many are questioning the benefits of automation especially in the airplane industry.

The air industry is one of the most highly automated sectors in present-day society. Planes can almost fly and land themselves when needed, and the cockpits of commercial airlines are becoming rapidly computerized.

So, what is the problem with such mechanization? The intricacy of such mechanical systems inevitably creates problems due to the dynamics and relationships of pilot and machine interactions.

David B. Kaber, assistant professor of industrial engineering at N.C. State, and graduate students Melanie Wright and Heather Warren have undertaken research studying pilot performance under numerous levels of cockpit automation. Their main focus in this research project is to find ways to establish increased safety through better pilot awareness of the changes in aircraft conditions.

Kaber is also the principle investigator in this research project; he considers situational awareness as a critical element in improving safety.

"Situational awareness concerns pilot perception and comprehension of aircraft states to flight goals. It also concerns the ability of pilots to project future aircraft states. Each stage of situational awareness may be critical to pilot per-

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Workers bring in an assortment of large rocks to replace cut-down trees in the area next to the Tri-Towers.

ANDREW KNOPF/STAFF

Tim Reynolds electrifies the Lincoln Theatre

Staff Writer **Grayson Currin**

Quick survey of the following albums: "Remember Two Things," "Under the Table and Dreaming," "Crash," "Live at Red Rocks," "Before These Crowded Streets," "Live at Luther College" and "Live in Chicago" — how many do you recognize? It is a safe bet that if you are reading this, you recognize no less than three of them.

All of these albums are the work of the Dave Matthews Band and, in large part, the work of guitar master Tim Reynolds.

As an unofficial sixth band member of sorts, Tim Reynolds wrapped songs like "Lie in Our Graves" with wailing, wondrous guitar solos, while adding flavor to almost every DMB song with

maddening effects and splendid guitar fills.

Reynolds is one of those guys that has a gift. He is such a beautiful, complex musician that his music is beyond the scope of one band, no matter how big that band may become over time. Reynolds is a troubadour of music, a relative workhorse. His discography is host to seven solo efforts, four albums with his band TR3 (also known as Pike Matrix) and a score of collaborations and guest appearances.

The constant buzz of touring and recording is nothing that Reynolds finds discouraging or bothersome, though. It is his love. Of music, Tim told *Technician*, "I can't think of anything that it isn't. It's for me the only thing short of food. It's so much a part of me and what I do ... It's almost beyond religion for me anyway."

Reynolds has remarked that music is in his DNA; it is an intrinsic force of his being that is testified to through his actions and his thoughts. It may, indeed, be the case that Reynolds' love for and skill of music is buried deep within each of his cells, one of his children. Ezra, can often be found plucking at one of the myriad guitars Tim owns. The 6-year-old often sings for her father in her fun tones, sometimes imitating pop princess Britney Spears. Reynolds often records her singing, and, luckily enough, he often records himself playing.

One of his most recent albums, "ID" is a collection of spontaneous musings on the electric guitar, whirring through delay pedals and mixing boards, backed, for the most part, by programmed drum loops. Reynolds, known primarily for his acoustic guitar playing and electric guitar soloing,

Tim Reynolds 3 >

Tech it to the limit Cloning ... kind of

Staff Writer **Jon Morgan**

Oh, the '80s. Break dancing, sweat pants, Reagan ... man, those were some good times. Between "Full House," "Run DMC" and "The Karate Kid," we were living in a Utopia of crimped hair and Nintendo games. The '80s had some great sayings, too. Gag me with a spoon. That was so funny I forgot to laugh! Let's not do it and say we did.

Well, enough reminiscing — back to the present. A scientific researching group called Advanced Cell Technology recently announced that they had developed a scientific breakthrough — they have cloned the first human embryo.

However, in a last-minute burst of nostalgia, ACT said, "Let's not and say we did." See, although they did technically clone a human embryo, they didn't really do a good job of it. They sort of cloned an embryo, but just sort of. It was only able to develop into six cells beyond the embryo stage, which made it entirely worthless. It's kind of like inventing Legos without the bumps on them.

Growing into six cells, it seems, is a fairly easy thing to do. The basic process of embryonic cloning involves putting a cell nucleus into a different cell so that it can grow. But, it turns out, any nucleus can develop into six cells, cloning or not.

Sound complicated? It is. But what's basically going on is that ACT is bragging about something that just, well, happens. True, they made it happen, but it would have happened whether or not scientific-looking people were lurking around, prodding it with test tubes and whatnot.

Imagine, if you will, a scientist who discovers a way to create things plummet toward the Earth. Well, that's more or less an everyday experience, what with things like gravity and fat people. But, when the scientist is typing his press release, he puts all sorts of exclamation points in it.

Using this strategy, he writes, "I make things fall down to the Earth!" It's the heat of the moment, a few people get confused and start crediting the scientist with inventing gravity. Those exclamation marks are tricky devils.

When something like this comes up, one has to ask questions like "Why would they do that?" or "What was the reasoning behind this bold move?" or "What's an embryo?" The answers you seek, as with all of life's problems, lie in the most obvious of places: the Wu-Tang Clan.

The line "Cash rules everything around me," from a Wu-Tang song just about sums it up. By bragging about all the groundbreaking natural processes they may or may not be involved with, Advanced Cell Technology has successfully become a widely known research firm in the field of genetics. Sure, they might lose some points for being dirty liars, but as the saying goes, "There's no such thing as bad publicity."

In the end, ACT's faux announcement will probably land them in more grants and funding than you can shake an embryo at. And, in the end, that's what science is all about: "Dolla dolla bills y'all."

Cloning interview 3 >

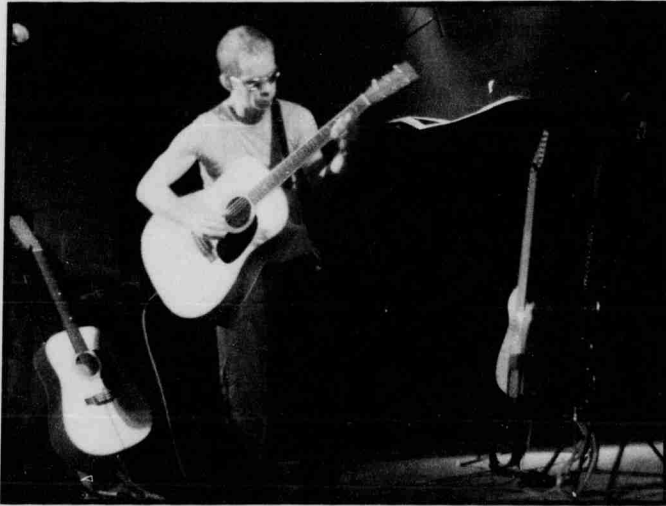


Photo courtesy of Matthew Jones

Cloning: the insane interview

Staff Writer **Chad Butterworth**

Technician discussed the repercussions of human cloning with Hunter Brown, a senior in applied mathematics and computer science, and Kathleen Powers, a freshman in business management and mathematics.

Tech: Who is someone you would like to have cloned?

HB: Julia Roberts, most definitely.

KP: Brad Pitt. Can you make him a little taller?

Tech: We'll see what we can do.

Who are some people you suspect might already be clones? Can you think of any particular politicians, musicians, actors or boy bands?

KP: I've always had this theory that Janet Jackson and Michael Jackson are the same person.

HB: I don't know, with all of those boy bands, you do have a point. They all seem to come from the same mold. The Backstreet Boys, 'N Sync, O-Town, it seems pretty suspicious.

Tech: I've actually got my own theory about Michael Jackson. My theory is that he's kind of like the dread pirate Roberts from "The Princess Bride." He's not just getting plastic surgery every few years; a completely different person replaces him every time. When he is replaced, his replacement has plastic surgery so that he or she will look close enough to the previous

Michael Jackson that everyone will assume Michael has only had plastic surgery.

Over the years his look has become more and more artificial, to the point that the plastic surgeons no longer have to imitate real human features. His face is now artificial enough that the next Michael's face has already been made, and the next changing of the guard will come without any speculation of plastic surgery.

If you had a clone, how would you put it to use?

HB: It would definitely clean my room and do chores that I don't want to do.

KP: I think I would make it go out with the people I didn't really want to see. It would definitely do my homework. I'd send him to math class because I hate my professor. What would you make your clone do?

Tech: I don't know. There are so many possibilities. It would take care of the housekeeping. I'd come up with some kind of scam to run with it.

KP: He could be your alter ego. Everything you've ever wanted to do, but never had the courage to do, he could do for you.

HB: You could go out on two dates at once.

Tech: I think I would have my clone do all the boring stuff, and then I would do

all of the stuff I never had courage to do before.

KP: Then you could blame it on the clone.

Tech: I'll have all the fun.

Cloning might end up being the ultimate retro trend. You could clone a childhood actor, and of course it starts as an embryo, so you could see it growing up. Any childhood actor — who didn't have a career past age 20, we could relive his career.

Can you think of any child actors who you would like to see cloned?

HB: The Olson twins. Do they count?

KP: I don't think I have any actors, but maybe some politicians, just to see where exactly they went wrong.

Tech: How about other celebrities who hit their prime as adults, but who are now just ranting on "60 Minutes" or fading away slowly on their late-night talk show? Who is a celebrity you would like to clone so that we can relive his glory days?

KP: Steve Martin

Tech: I would like to see how old Steve Martin was when his hair turned white.

HB: I would like to see MacGyver or Sean Connery.

KP: I would definitely like to see Sean Connery's clock turn backwards.

Tech: What advice would you have for

Cloning interview 3 >



Rotten Apples never tasted so good

Staff Writer **Grayson Currin**

Smashing Pumpkins
Rotten Apples
★★★★

Time makes an incredible difference in all things. Heroes rise and heroes fall; people seem to have it all one day and only a semblance of life the next. Time is truly that one thing that seems to encapsulate all else, indifferently observing the comings and goings of The City of Man.

Thirteen years ago, a band named The Smashing Pumpkins took the stage at the Avalon Nightclub for a crowd of only 50 people. Two months later, on Oct. 15, 1988, the band, now sporting jazz-drummer Jimmy Chamberlin, played Chicago's Cabaret Metro.

They had a tape, home-recorded, that contained three songs. They also had unbelievable talent and unbelievable new ideas that defied the way the world approached music. Time witnessed the ascension of the band to levels of superstardom, fronted by the enigmatic and flamboyant Billy Corgan.

Their albums topped charts, and their concerts were magnets for kids craving new music that reflected their own mixings with the world. The rise was not without turmoil: the death of touring keyboardist Jonathan Melvoin and the subsequent, temporary loss of Chamberlin plagued the band through the recording of its album "Adore."

Virgin Records often attempted to hamper the unit's creativity, partially leading to the band's break up in 2001, following the group's tour for its over-shadowed final studio album, "Machina/the machines of God." As a farewell to and acknowledgement of their intractable, adoring fans, the band planned to release a follow-up to the album. Virgin Records, however, felt it would fizzle on the market and had the capacity to create a sort of mockery of the band and their label.

The enterprising spirit of Corgan, however, would not be stopped, as the album of 25 songs (almost all previously unreleased) was pressed on a limited run of 25 records. These were distributed to fans with the intent that they were to be converted to digital media and bootlegged as widely as possible. The band, with its omnipresent hunt for freewill, had effectively given the corporate music industry a glorious middle finger.

Their last album, "Rotten Apples," is that dreaded point in an artist's career that normally either marks the end or an inevitable decline: a greatest-hits album. For the Pumpkins, the cover of the album says it all. A black and white shot depicts Corgan, Chamberlin,

James Iha and D'arcy Wretzky standing in front of a road sign that simply reads "End." Leave it to this band, however, to go out with a statement.

The title of the album is replete with wit and irony from a band whose front man has constantly thrown his and his band's abilities in the face of the rock world. The album includes a bonus disc of 16 tracks; nine have never been released to market (two previously unreleased songs appear on the first disc).

The bonus disc is manufactured to resemble a CD-R with its title, "Judas 0," scrawled across the front in the characteristic penmanship of Corgan. Such an act is a last stand against a record company that had the ignorance and myopia to doubt a rock band that helped define a generation.

The tracks of "Rotten Apples" are on the disk in chronological order, beginning with the guttural fury of "Siva" and the brooding undercurrents of "Rhinoceros" from the band's 1991 album, "Gish." The contemplative wail of "Drown" from the 1992 movie "Singles" is next in the progression, followed by three songs from 1993's "Siamese Dream."

The Pumpkins' trademark Stevie

Nicks cover, "Landslide," paces the disc quite well, bringing the scream of hyper-distorted electric guitars down to the murmur of a well-played acoustic. A barrage of songs from "Melon Collie and the Infinite Sadness," one of the best-selling double albums of all time, casts their trademark glow onto the CD.

The hard-driving rock anthems "Bullet with Butterfly Wings" and "Zero" are natural complements for the laid-back melodies of "1979" and "Tonight, Tonight." "Perfect," from the album "Adore," serves as a natural segue to the highly orchestral work of "Machina/the machines of God."

One song from Machina II is included. "Real Love" finds Corgan and company playing behind a wall of static, singing "We never listen / real love will listen / and tell of a fortune / real love is riches." The previously unreleased "Untitled" opens with an acoustic guitar that launches into a shimmer resembling early REM and is yet another reminder that the material that the Pumpkins were able to pull from for their tenure of 13 years indeed remains voluminous.

Smashing Pumpkins 3 >



42 Tim Reynolds

finds himself engaged in heavy metal for the album, striving to serve as an insanely good rhythm and lead guitarist for a band of his own making. Reynolds knows that this album is a shift for him. "A lot of guys that I like now because of what they do in a band... There are a lot of metal guys that I like... The guy from the Deftones, Stephen Carpenter," he says.

The album was recorded in Reynolds' home studio, and he found that he wanted to, for once, enjoy listening to his own work. He wanted the public to have access to the album, but he wanted to avoid the bureaucracy associated with a new CD. "It was fast and epic, and it was like 'it roll, I just didn't want to go through the process of putting a CD out where you have to go through masters and artwork,'" maintains Reynolds. So, in a stroke of originality, the album was placed onto Reynolds' FTP as both high-quality SHN's and highly accessible MP3's.

His newest CD on the market is a largely acoustic disc entitled "Nomadic Wavelength." It opens with Eura talking, telling each listener "We're gonna have the gooddest time ever." Eighteen tracks present highly variegated acoustic artistry on Martin six and 12-string guitars. The blazing picking is reminiscent of Leo Kottke, but the effects that Reynolds applies to the sounds are as experimental as Radiohead.

Reynolds has mastered a variety of instruments throughout his life, and this fact manifests itself on "Nomadic Wavelength." He slips strings, bends them to the point of breaking and experiments with sound to find both

the highest and lowest notes that can be coaxed from a guitar. Of his unorthodox, Reynolds said, "Every instrument I played has changed [the way I play guitar]. The violin changed the way I play because I could think up—really high. The sitar, on the opposite end of the spectrum, got me down inside the lower notes and into the bending of the notes. I played the drums, and it really opened up the idea that I was already a drummer."

Currently touring on "ID" and "Nomadic Wavelength" (not to mention the newly re-released collection of improvisations with Greg Howard named "Sticks and Stones: A Collection of Spontaneous Improvisations"), Tim Reynolds brought his musical magic to the Lincoln Theatre on Nov. 15 in the form of a 12-string acoustic guitar, a six-string acoustic guitar, an electric guitar and an electric baritone guitar. His hour-and-a-half set displayed his style as an efficient player that would find a note on an acoustic, keep it through a pedal as a type of beat and then envelop it with speedy playing.

Tim would often slide a pick over strings, creating a chaotic sound that whirred continuously through the Lincoln. Using a bottleneck slide, Tim explored the depths of his guitar by playing notes that actually found him moving off the fret board. Tim would occasionally drop his guitar and walk briskly to an electronic drum kit.

The beats pulsed through the room, shaking the place like a cheaply made Honda with two 12's in the trunk. Moving to a machine with programmable drum loops, Tim would find one to his liking and let it play for a few seconds.

Grabbing either a standard electric or his baritone, he would proceed to become the one-man band that he presents so adroitly on "ID."

"Fluorescence," the first cut from "Nomadic Wavelength," was played and, like each song through the night, its album version was quickly left behind. Tim has a natural gift and a natural propensity for jamming. Each show he plays is to be a singular experience.

The experience was a musical catharsis of sorts, a realization of what happens when someone like Tim Reynolds, hidden behind sunglasses and dancing around with utter energy, insulates himself with his art in front of an eager crowd. Of a solo show that depends solely upon his own musical adventure, Reynolds says it is, "Complete freedom. I can kind of get crazy... You can be tired on the road, but when you're playing music you are energized."

His energy has delighted crowds for years, and with any luck, it will continue to do so. Talks of yet another Dave Matthews and Tim Reynolds duo tour are underway. The best friends have always had a certain out-of-body connection on stage, and they both express interest in rekindling that excitement in the near future.

Both on and off stage, Tim Reynolds insists that he is a mere monkey, an animal trapped in a perpetual uphill battle to transcend his own ways. Monkeys, however, don't play the guitar with a banana; for the encore at the Lincoln, Tim Reynolds did. Perhaps his ways aren't those of a monkey; however, it appears that they are those of a great experimenter.

42 Cloning interview

your clone as it grows up?
HB: I would definitely be a lot wilder. I was pretty straight and narrow. I wish now that I had been a little crazier. What would your advice be?

TeCh: I would try and make it study more, try to get it to be more responsible.

KP: I was the geek in high school. I think I would rather let loose a little more. I would definitely give it some fashion advice about the bad hair in the '80s and the horrible outfits. I wouldn't put her through that torture.

TeCh: The great thing about clones is that you can always make more of them, so you can abuse them all you want.

HB: The body farm idea.
TeCh: Exactly. Who would you like to see cloned just so you could mistreat them?

HB: A few math professors.
KP: I think Britney Spears definitely has to go.

HB: Probably my old roommate.

TeCh: Cloning is also going to produce a lot of biological memorabilia, whether it's a whole clone or just an internal organ from your favorite celebrity. What internal organ would you want from which celebrity as a souvenir?

HB: Is this to implant in ourselves?

TeCh: Either to implant in your body or to keep around on the mantle in a jar.

HB: I don't really like the idea of hav-

ing organs lying around the house. It seems pretty disgusting. I think I'd rather have the whole person. Will they have a catalog where we can put in an order for a certain celebrity?

TeCh: They would probably have to base the catalog out of Britain because Britain is going to be more lax about this. If you don't want just an organ, who is a whole person you would like? It would be good to choose someone small, like Emanuel Lewis or Gary Coleman.

KP: I think I'd take The Beatles. I'd maybe take an arm from one, a leg from another, somebody's heart, try to create my own match.

HP: I'd choose either Julia Roberts, Cindy Crawford or The Grinch. I would like to see The Grinch cloned, watch him grow up.

KP: We could see what happened in his childhood to make him so spiteful.

TeCh: If you were raising Greg Fishel's clone, would you like to try and raise him differently and steer him in a direction other than meteorology so that he could let a little more of his star quality shine through?

HB: Seeing him as a sports announcer would be great.
KP: The lead singer of Incubus. I think he could fill that role pretty well.

HB: He always said "99 percent perspiration, and 1 percent inspiration."

Maybe if he had a different surrounding he would see that that saying was really true.

while other tracks (Iha's "Believe" and Corган's "Sparrow" reveal closest singer-songwriters with voices trembling with both emotion and frailty. The David Cook song "Rock On" interestingly contains elements of Van Halen's "Everybody Wants Some."

The disc is an interesting trek across the musical mind of the Pumpkins that reveals music they felt either too personally or too reluctantly about to release when they were initially recorded.

With "Rotten Apples" and "Judas 0," you see songwriters in the making and songwriters in full bloom. You see a band that the world would do well to keep. Then again, time keeps moving in a straight line; sometimes people just can't keep going. Though the Smashing Pumpkins have met their end, their music will forever echo.

BRAIN

Continued from Page 1

a good explanation for a brain. Some people get confused, he said, when they are thinking about their desktops that process instructions one-at-a-time.

"The brain certainly does not operate like that," he said, adding that it does a number of computations at the same time using parallel processing. "So it's not very similar to a serial, digital computer. The development of increasing powerful parallel computers and parallel algorithms may help make the implementation of the computational models look more like what actually goes on in the brain."

Wright said he also looks forward to future news from neuroscience that contradicts previous held ideas about the nature of the mind.

"A lot of old ideas have already been debunked," he said. "However, many ideas have not yet become part of our collective conscious. For example, we always say 'I'm under pressure.' This is a silly idea—of course your brain is not really being squashed under pressure."

AIRPLANE

Continued from Page 1

formance and aircraft flight safety," said Kaber.

This research is not set to remove the automation in the cockpits of aircraft, but rather to "identify levels of automation that are most supportive of pilots in achieving situational awareness," said Kaber.

He also noted that the reason why such tremendous emphasis is placed on situational awareness is that "the pilots' awareness of the status of an aircraft may be critical to their capability to intervene in flight control when necessary and to diagnose automation failures and handle emergencies."

Kaber said the research that is being conducted is aimed at discovering what the future of high-level cockpit automation may mean for pilots.

This type of research on pilot-computer relations is not limited within the confines of the NCSU campus. The National Aeronautics and Space

Administration (NASA), the Langley Research Center and the Crew/Vehicle Integration Branch are funding the NCSU research. The work was part of an on-going three-year research program.

NASA's research program managers, including Anna Trujillo and Paul Schutte, provided Kaber and his group with direction in the proposal of the project and the various levels of cockpit automation to be studied.

When this type of research is opened up regarding automation, the question that lingers in everyone's mind is: What will the effects on increased pilot involvement be?

"The level, or mode, of automation of an advanced commercial aircraft cockpit is typically controlled by the pilot. There may be instances when mode changes/shifts occur without pilot awareness; however, most changes result from pilot control actions," said Kaber. "As an example, a pilot may shift from an automated runway approach to a manual flight mode in order to

divert the aircraft to an alternate runway. This type of situation is common, and the use of manual or automated flight control is still primarily at the pilot's discretion."

However, despite the fast pace of this in-depth research, Kaber said that it will be some time before he expects to see the results of human factors research on advanced commercial aircraft cockpits because of the length of the design and the development cycle for aircraft and additional costs.

"Ergonomics and human factors is a critical part of industrial engineering. It is one of the facets of the discipline that differentiates it for all other engineering disciplines," said Kaber. "There is currently an expanding market for persons trained in ergonomics with opportunities in aviation systems, industrial workplace design or consumer product design. I would strongly encourage any student interested in the integration of humans and machine systems to consider industrial engineering studies."

and not a research program.

"This grant is meant to support both students and post-docs who come with backgrounds in the physical sciences, chemistry, physics, etc., and who will be working on the boundaries between physical sciences and neuroscience."

"It is only fairly recently that people have been using computers and mathematics to answer questions that cannot be answered from the classical techniques," Koppel added.

"Traditionally, neuroscience research was conducted in a hands-on fashion, working with slices of tissue and working with whole animals. Information gained using these methods could not offer much insight into the dynamic behavior of the living brain."

Many questions involving neuroscience have to do with how very complicated systems interact. The computational and the mathematical approaches allow one to explore the relationships among different types of data.

Koppel said he expects the training offered by the PMCN will prepare scientists who are more interested in understanding the mind than developing computers capable of matching or exceeding the brain's capabilities.

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Bicycle? Perhaps.

Recycle? Of course.

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Users and abusers



Shaun Barnes
STAFF COLUMNIST

In life one is bound to receive small epiphanies. The relevance of these epiphanies varies depending on the person and the circumstances, but we all have them. Over the weekend I had one such epiphany that I would like to share: People who feel the need to record more than two television shows (and two is being lenient) each month are losers and need to get a life.

To protect the identities of certain persons, I'm changing all names and revealing facts. The first person I would like to discuss I'll call Angelica. Angelica loves the television show "Buffy the Vampire Slayer." For those that don't know, "Buffy" was put into syndication this year. So, one could catch all the back episodes of the butt-kicking teenager if one so chooses.

Now, a little more about Angelica. Angelica doesn't get out much. What Angelica does with her days is a mystery to me. But on occasion Angelica is away from her much-cherished TV screen at 7 p.m. when "Buffy" re-runs air. It is important to note that Angelica is Sarah Michelle Gellar's number one fan and has never missed an episode of the show, yet if there's some remote possibility

of missing a re-airing of "Buffy," Angelica would surely sell her first born to the devil in order to ensure that upon returning to her room the show that she has seen before has been taped for viewing later that night.

Other violations of videocassette recording include people that have their VCRs pre-programmed for the entire week. People who work second shift or have some other obligation during prime time hours should just let prime time television go. Having a prior commitment from 8-10 p.m. Monday through Friday doesn't mean you don't deserve to watch the "hottest" shows (not that you're really missing anything). But it does mean that you have other things to do, so do them and move on, not back, by viewing long-forgotten shows when you could be doing something else of a pressing or current nature.

The programmer on a VCR should never be full. There should never be so many shows programmed into your VCR that you can't remember what all you've set your VCR to record. My example for this VCR violation is named Rico. While having a conversation on new shows premiering this season, Rico revealed that he was taping a particular network's Wednesday night lineup, yet he could not recite the titles of the shows that aired during that lineup. Essentially, Rico is programming shows to tape just for

the thrill of programming; the actual shows are basically irrelevant and unwatched.

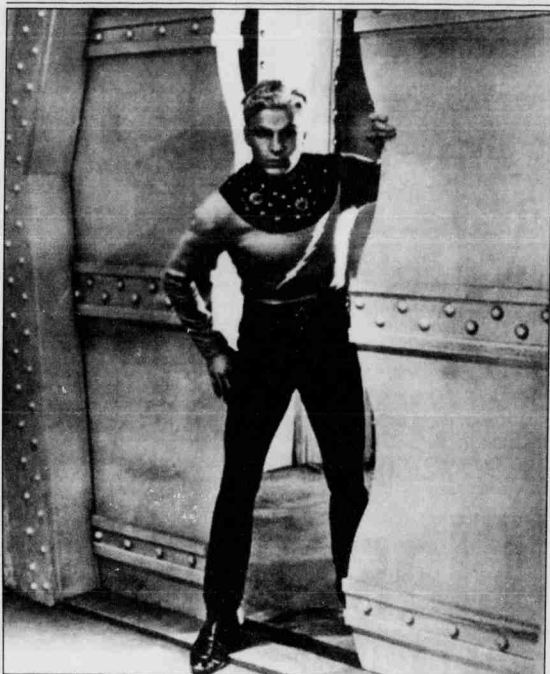
Of course the VCR is an excellent invention, when used sensibly. And there are many sensible uses for the VCR. If your first cousin is competing in the Olympics, by all means record it, and treasure it. Even if your cousin doesn't win first, second or third place, that tape is a jewel that can be shared with your children and grandchildren.

Similarly, if your all-time favorite movie is coming on or any really, really good movie that you don't already own, go ahead and record it, and add it to your movie collection (if you don't mind having pirated movies in your video library). Having a movie collection is a great, inexpensive (if you pirate) way to pass the time, which is essential to college students.

I wish I could say there's a fine line between being a television-recording abuser and a television-recording user, but I can't. There is a huge divide between abusers and users in the world of VCRs. Now it's up to you to choose which side you're on.

What do you have programmed in your VCR? E-mail Shaun at shaun_barnes@hotmail.com

Technician Opinion is Looking for Sensation!



The Opinion Page is currently hiring for the Spring 2002 semester!

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The right to retest

Staff Editorial
DAILY FREE PRESS

(UWire) BOSTON - Students in Massachusetts who fail their sophomore MCAS exams have just under three weeks to prepare for their first round of re-testing.

Critics are up in arms, arguing students should have ample time to prepare for the tests, and teachers should not be forced to cater their curriculum to "teaching the tests."

The decision to retest three weeks after results are announced should ultimately be up to the parent and the student -- not the administration. Some students, who barely missed

passing the test, would perhaps feel comfortable re-testing after such a short period. Perhaps their failure was simply the result of a bad day or an inadequate study in one specific area, which when reviewed, could provide the student with passing marks. Additionally, as when taking the SATs, once students have the opportunity to become familiar with the testing format, they may earn more favorable test scores.

However, for some, exercising an option to wait on the retest may be more appealing. For some students, who failed by a large percentage, intensive preparation may be in order --

rather than simply brushing up on a few weak points.

Regardless of whether students retest or wait, the decision should not be up to the critics -- it should be based on the individual student with the collaboration of his or her parents and educators.

These critics need to quiet down. They are not the statewide spokesperson for education. There can be no single standard for re-testing. The critics should focus on their own kids -- and leave the rest of the decision making up to other parents and their children.

FORUM CONTINUED FROM PAGE 4

failures and scandals as the FBI, they would have gone out of business long ago. Small private security firms have a much higher success rate and hardly any scandals at all. Election standards: There are actually very few nationwide standards for elections other than laws that have been passed over the years to ensure there are no unfair barriers to voting. Nor would we want national standards. Can you imagine if the national standard was the butterfly ballot? Not only do we need variety in election standards, but the Constitution mandates that elections will be handled by the states, not the federal government. There is absolutely no reason to make the security personnel federal employees. This does nothing but create another massive and bumbling government bureaucracy and create a monopoly in airport security. As Richard W. Zeln of the Cato Institute said last month, "We all know that monopolies are bad because they resist innovation, result in higher costs and poorer service and tend to engage in cover-ups for their own mistakes and deficiencies." Federal employees are also incredibly hard to fire, as we all know. It is likely that we will see airport security personnel begin to resemble the typical postal worker: agitated, rude, careless and inefficient. They have no incentive to do a good job or be pleasant to the passenger. In fact, their job is easier if they can discourage you from even coming to the airport. The answer, of course, is to allow the airports to hire private security firms and have the

government set high standards and monitor them. Then the incentives are set up better to achieve the goal. Sixteen countries in Europe (known for its high degree of socialism and aversion to free markets) have replaced government security personnel with private security at airports with quite positive results. It seems we're now trying to out-socialist the socialists. I call on Republicans, conservatives, libertarians, and all supporters of limited government and freedom to speak out against this new law, amend your members of Congress to repeal it.

Darren O'Connor
Senior Physicist

Thanksgiving not a Christian holiday

The issue of potentially removing Good Friday as an N.C. State holiday has been met by a couple voices of criticism published in Technician. I'd like to offer a counterargument, as well as respond to some of the issues brought up in Campus Forum against removal of Good Friday. Good Friday is the only day that NCSU closes because of a particular religion. (The former "Christmas break" has been renamed "winter break.") A public university shutting down for a day in the name of religion is contrary to the separation of

church and state that our forefathers hoped for. And speaking of our heritage, although the Pilgrims had a deep faith in God and did enjoy the first Thanksgiving in His name, let's not forget that they came here in part for religious freedom. The pilgrims would probably be upset if their grandchildren went to a public university in the United States which, let's say, closed on Magha Puja Day because the majority of students happened to be Buddhist. They'd probably want each person to worship whoever they wanted and not let the majority dictate which religion would be officially recognized. Ms. Lotz (daughter of evangelist Billy Graham) was quoted in Technician saying "[On Sept. 11, God was] right where we asked him to be." It goes on to say that we've asked God to get out of our schools, governments and even our most sacred holidays. My fellow students, I'm asking you to think for a moment about this. We do not have the power to take God away from anything. Your personal belief -- not public recognition -- keeps religion alive. Let's not blame Sept. 11 on the secularization of public sectors. Nobody's trying to "push" God out of anything. Whether we sing "America bless God," or "God bless America," or "America bless Buddha," or none of the above, God will always watch over his true believers.

Rebecca Moriello
Graduate Student Linguistics

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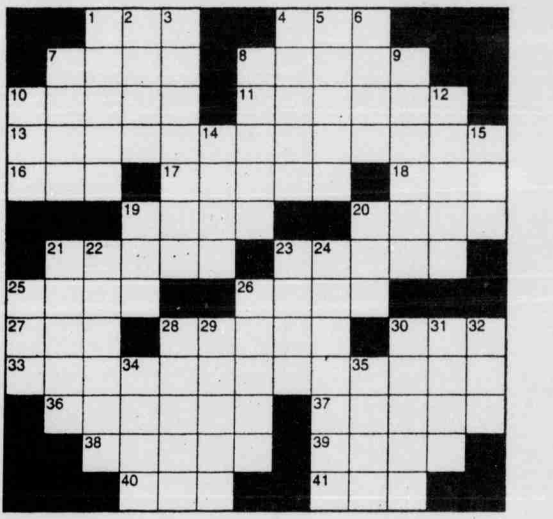
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 - 7 Metric unit
 - 8 Carrier's course
 - 10 It gives one pause
 - 11 Surprise attack
 - 13 It can make headlines stand out
 - 16 Terhune dog
 - 17 Lock
 - 18 "All the Things You..."
 - 19 Sport
 - 20 Forth
 - 21 Marble-cake pattern
 - 23 First anniversary gift
 - 25 — impasse
 - 26 Sacrosanct
 - 27 Audrey's "My Fair Lady" co-star
- DOWN**
- 2 Flock member
 - 3 — than the average bear
 - 4 Cavorts
 - 5 Hayseeds
 - 6 Daze
 - 7 Naked Maja's painter
 - 8 Less refined
 - 9 Staging
 - 10 Animation
 - 11 Ready to rumble
 - 12 Verbal
 - 13 "Airport" director, at times
 - 14 Oscar-winner
 - 15 Temple U. name
 - 16 Down
 - 17 Bandits' pursuers
 - 18 Temple U. team
 - 19 Turn from
 - 20 Winn
 - 21 Mand to
 - 22 Fido
 - 23 Laugh-a-minute type
- Solution time: 22 mins.

Back the Pack

Classifieds

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Around Campus

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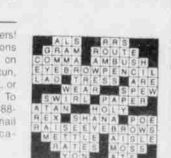
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ACC bowl picture coming into focus

◆ **With Florida State's acceptance of the Gator Bowl bid, the ACC's bowl bids are slowly starting to fill out.**

Jay Kohler
Staff Writer

With N.C. State's regular season over, the question on every Wolfpack fan's mind is: Where will State go for its bowl game?

The answer may not come for another week, as there are a number of games left on the ACC slate.

Before Monday, the only clear part of the bowl picture in the ACC is

Maryland (10-1, 7-1 ACC), which is headed to a Bowl Championship Series bowl — likely the Orange — after winning the ACC title. Up to six other teams are either eligible already or can become eligible with wins this weekend. In fact, the only teams that can be marked out of bowl contention are Virginia and Duke.

The Gator Bowl has the first pick out of the conference's pool of bowl-eligible teams and chose Florida State (6-4, 5-2) on Monday despite its looming showdown with Georgia Tech (7-4, 4-3) on Saturday.

See **BOWL**, Page 7

Fisher, Holt named to All-ACC first team

◆ **Levar Fisher and Terrence Holt head up a total of eight N.C. State players receiving all-conference honors.**

Sports Staff Report

The N.C. State football team was well-represented on the year's all-conference teams that were announced by the ACC Tuesday afternoon. Senior outside linebacker Levar Fisher and junior safety Terrence Holt each were named to the first team, and six other Pack players were cited.

Fisher was the team's leading tackler once again this season with 148 tack-

les, including 84 unassisted. Fisher, last season's ACC Defensive Player of the Year, holds the school record for career tackles with 492.

Holt, an honorable-mention performer last season, was third on the team in tackles this season with 104 from his safety position. Holt also earned honorable mention honors as a specialist, largely due to his four blocked field goals this season.

Senior defensive end Corey Smith earned second-team honors on defense. Smith led the Wolfpack with six fumbles caused this season and was leading

See **ALL-ACC**, Page 7

BASKETBALL

Around the NBA

As this week winds down, and November fades into December, it will mean several annual events are taking place in the world of sports.

Duke will endure another winless football season. Isaiah Rider is unemployed, and the NBA has completed exactly one month of its regular season.



The notion that I may be one of the eight NBA fans left on campus doesn't take away from the fact that the first month of league action has been the most exciting in recent memory. Here are several story lines to follow between now and the NBA Finals:

The unfolding of a dynasty in L.A.

These days the trendy things to do in the City of Angels range from going to a downtown oxygen bar to arriving late at a Lakers game to watch Hollywood's favorite duo, Shaq and Kobe, dominate some helpless Western Conference foe in their quest for a third consecutive championship.

Little has changed in 10 years for the Lakers, since they won three titles in four years in the late 80s. They are still led by one of the best big men of all time, have arguably the best guard in the game and are led by a future Hall of Fame coach.

But the formula by which Shaquille O'Neal, Kobe Bryant and Phil Jackson win championships is much different from the ways of Kareem Abdul-Jabbar, Magic Johnson and Pat Riley.

In 1985, '87 and '88, Riley directed a team that had three superstars: Johnson, Abdul-Jabbar and James Worthy. The success of the Lakers hinged on the play of the "Big Three," who needed little help from role players like Michael Cooper and Kurt Rambis.

Recently, the Lakers have needed significant contributions from veterans like Brian Shaw, Robert Horry and the recently retired Ron Harper to win the last two titles, the most recent in dominating fashion.

This year, the Lakers are off to a 12-1 start through Monday and will need solid play from Derek Fisher, Samaki Walker and others in their quest to three-peat.

Not even Jordan's magic can help woeful Wizards

When Michael Jordan dropped the bombshell and announced he would return to try and rescue Washington from the NBA wasteland, many believed he would turn the Wiz into instant playoff contenders in the watered-down Eastern Conference.

Instead, through Monday, Washington holds the third-worst record in the East (3-9) and has already endured an eight-game losing streak this season. To put that record into perspective, Jordan's '96 Chicago Bulls team lost 10 games the entire season.

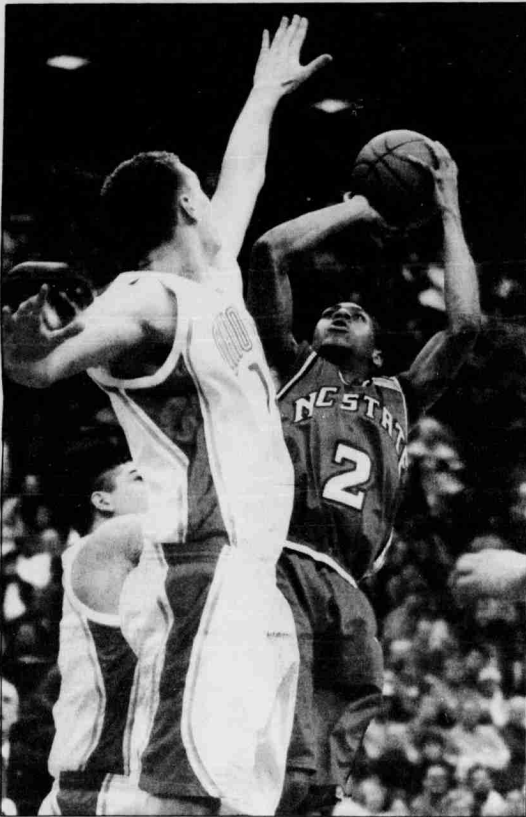
All the blame cannot be placed squarely on the shoulders of His Airness, who has averaged 26 points per game, good for sixth in the league ahead of players like Tracy McGrady, Tim Duncan and Gary Payton.

MJ, even at age 38, has shown us flashes of why he is considered the best player of all time with games like a 44-point performance against the Utah Jazz.

But at times, he has also shown his age. In two games with the Boston Celtics this year, Jordan has been clearly outplayed by Celtic forward Paul Pierce, especially in Saturday's overtime Washington victory that saw Pierce score during Jordan 23-17 and swat three of his shots.

See **MATT**, Page 7

Poor shooting dooms Pack



N.C. State senior Anthony Grundy (2) shoots over Buckeye defender Velimir Radinovic in the Wolfpack's loss at Ohio State Tuesday night.

◆ **N.C. State shot a paltry 27.3 percent from the field and lost its first game of the season.**

Dave O'Neil
The Lantern (Ohio State 15)

COLUMBUS, Ohio — More turnovers than made baskets usually result in doom on the basketball court.

Doom ensued Tuesday night for N.C. State (5-1), which made only 15-of-55 field goal attempts and turned the ball over 21 times in a 64-50 loss to Ohio State (3-0) in the ACC/Big Ten Challenge in front of 15,091 fans at the Schottstein Center.

"It's hard, almost impossible, to overcome the numbers we shot," Wolfpack coach Herb Sendek said. "I thought OSU bent us to their will. We broke away from our patterns, and that hurt."

The 15 first-half turnovers played a large part in causing the Pack to suffer. And so did the 4-of-27 three-point shooting. "We relied too heavily on it," Sendek said of the long-range shot. "You could get five guys off the street to make 4-of-27."

The first half certainly did not win any style points. The team combined to shoot just 33 percent, account for 25 turnovers and total only 50 points. The Pack trailed 26-24 at the half.

"We went into the locker room at half-time shaking our heads in disbelief that we actually had the lead," OSU coach Jim O'Brien said.

After forcing the last tie of the game a minute into the second half on a layup by Anthony Grundy, things rolled slowly downhill for the Pack. OSU center Will Dudley's dunk two minutes later put the Buckeyes up seven.

State managed to pull within three at 43-40 midway through the second half, but that was as close as it would get. Julius Hodge and Grundy each scored a team-high 13 points, but they also combined to make only 8-of-21 shots and turned the ball over seven times in the contest.

In contrast, OSU's guard tandem of Eric Darby and Brian Brown accounted for 40 points. Darby led all scorers with 22, with 14 of those coming in the second half.

Sendek said the duo was the key to victory for OSU. "Brown and Darby had our number all night," he said. "They dominated the game tonight. Those two guys combined for 40 of their 64 points. They handled the ball well in the press. I thought they were terrific."

Brown, however, refused to take much credit for the game's outcome.

"N.C. State helped us a lot by missing all the shots they missed," Brown said.

The 50 points the Pack scored was its fewest since Jan. 27, 2000, in a 59-42 loss to Clemson.

A personal contest between former Blackhawk (Pa.) High School teammates — OSU guard Brandon Fuss-Cheatham

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Steadily improving Pack tries to stay perfect

◆ **The N.C. State women's basketball team has a chance to run its record to 6-0 as it hosts Charleston Southern tonight.**

Justin Sellers
Staff Writer

Respect. That is what the N.C. State women's basketball team has earned over the years as it has become nationally recognized as a consistently strong competitor.

This season, the eighth-ranked Wolfpack (5-0) has played well in five early-season, non-conference games and is looking to continue to improve as Charleston Southern visits Reynolds Coliseum tonight at 7 p.m.

Despite shifting lineups frequently because of injuries, State has been successful early this season. The Pack beat both ranked and unranked opponents, but some onlookers continued to question the team's ability.

Many of those questions were

answered, however, Monday night when No. 17 Old Dominion traveled to Raleigh for a top-25 matchup.

The game was close at first, but the Pack began to break away in the second half. Guard Ivy Gardner played a huge role in State's 74-58 win even though she is still recovering from knee surgery. Gardner scored a team-high 18 points and amazed almost everyone,

including Wendy Larry, the head coach of the Monarchs.

"Honestly we weren't not expecting Ms. Gardner to play," said Larry. "She wasn't in the scouting report. I'll take all the responsibility for that. We weren't prepared for her. She had a tremendous game; she really stepped out."

But the Pack can't rest on its laurels

and had a short time to prepare for what could be a dangerous opponent in Charleston Southern.

The Buccaneers (3-2) are currently riding a two-game winning streak after a 75-47 victory over Southern Virginia. CSU features a talented duo in the paint in senior forward Cesarina Champagne and freshman center Amanda Ekberg. Against Southern Virginia, Champagne stepped into the leadership role, ending the night with a double-double, scoring 12 points and adding 11 rebounds. Meanwhile Ekberg, who has proven capable of playing at the highest level so far, finished with a team high 18 points on the night.

"Charleston Southern has one of their stronger teams this year, and it's a game that is sandwiched between ODU and Tennessee," said State head coach Kay Yow. "It's not a game that we can take lightly because it's a team that will come in, and they have everything to gain and nothing to lose. We can't just

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Daphne Hutcherson (21) and the Wolfpack have won the first five games of the season and moved up to No. 8 in the nation.

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