

Monday  
November 26, 2001

# TECHNICIAN

www.technicianonline.com

NORTH CAROLINA STATE UNIVERSITY'S STUDENT NEWSPAPER SINCE 1920

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## Extension economist studies economic cycle

◆ Michael Walden said the economy is weaker after Sept. 11, but a natural economic cycle will likely restore its strength.

Rachael Rogers  
Staff Reporter

The tragic events of Sept. 11 have more ramifications than just a serious blow to U.S. morale. The attacks have had serious implications on an economy that was already faltering.

The North Carolina Economic Outlook is a quarterly publication supported by the university and coordinated by Michael L. Walden, who is a

William Neal Reynolds Distinguished Professor of Agricultural and Resource Economics and an extension economist.

Walden and others look to project a year ahead. Walden sees direct results of the attacks a few months ago, even in North Carolina. For one thing, Christmas sales will definitely be lower this year, especially as the unemployment rate rises as a result of these attacks. Other things will also change.

"As we look ahead, I calculate that because of what happened on Sept. 11, the building of homes will be about \$300 million less than what was previously seen," said Walden.

The attacks have definitely impacted

the economy.

"The entire economy shut down for a whole week," said Walden.

Industries that have been especially harmed that Walden cites in his economic outlook are the travel and tourism industries.

"Travel and tourism have been inversely affected because people are less reluctant to travel. People are also reluctant to engage in activities that are usually associated with travel, such as going out to eat and doing heavy shopping," Walden said.

The economy does not have a completely bad outlook, however, because certain industries have seen a boost. One industry that has benefited is the

automobile industry. With a fear of flying, people are more apt to travel by car.

Walden said the stock market has even seen an increase, which is usually a indicator for about six months down the road. He also optimistically stated that he does "see the economy improving over time. The statistics indicate that there will be an improvement in the spring time."

Walden feels that the current bad economy may even be a good thing for students here at NCSU. Most of the students here do not remember a time when the economy was bad, and Walden was quick to point out that "people need to expect some downturn

in the economy about every five years. The economy goes in natural cycles."

"Students should be aware that the economy isn't always good, and they need to be aware that when they have families, they do need to be aware that the economy does go into these slumps," said Walden. "So students should begin to think about preparing themselves for such slumps in the economy."

He suggests that students begin now to save for the future.

To read the entire winter 2001 report, go to [www.ag-econ.ncsu.edu/](http://www.ag-econ.ncsu.edu/) and click on "Extension" and the link for "Mike Walden's Economic Outlook Winter 2001."

## Anthropologist clears up some of the mysteries of love

◆ Helen Fisher has studied the tendencies and history of human sexuality and behaviors.

Spaine Stephens  
News Editor

Helen Fisher stepped out of the wilds of Africa and into the NC State Campus Cinema last Monday afternoon. Having spent time studying the gender behaviors of the Hadza people, a delicately primitive yet fortuitous African band, she had little time in between her arrival back in the States and a visit with some University Scholars.

Fisher, an anthropologist at the American Museum of Natural History and author of "Anatomy of Love: A Natural History of Mating, Marriage and Why We Stray," spoke at a University Scholars Program forum about the historical actions of people in matters of the heart. She is conducting ongoing research on sex and love.

Fisher studies gender differences, particularly the function of the three "love" systems in humans. Lust, which involves the sex drive and libido; attraction, which has to do with emotion circuits in the brain; and attachment, which is distinct and evolves for different reasons.

As she explained the signs and results of each in human relationships with examples and witty quips, waves of laughter and appreciation rolled over the audience.

"Some people fall in love all the time," she said, "and some very rarely fall in love."

Fisher said love experiences vary from one person to another, and from one species to the next. Humans, however, share some of the patterns with other mammals and birds.

She also cleared up some issues while at the same time making them more complex, in a sense.

"You can make love to someone without being in love with them at all, and then fall in love with them," she said, noting that lust and attachment can be but are not always connected to each other. "You can also feel attachment to someone while being infatuated with someone else."

Fisher said a person can also be in love with more than one person at a time.

She said some of the behaviors connected to love issues may have evolved millions of years ago on the grasslands of Africa. People, she said, may be adapted to form a pair bond with one person, and then some men may feel the urge to spread their genes by extra-marital relations.

Fisher did, however, say that people are able to make those decisions.

"I don't think we're puppets on a string of DNA," she said.

As the audience grew more interested, Fisher began talking about the sex drives of men and women, which she said are actually quite different from each other and not necessarily related to romantic love.

The way sex is perceived in the minds of men and women is different as well. Fisher said although men think about sex more often, thoughts on the subject are more intense in women. Women engage in "web thinking," thinking in different directions and weighing more options, while men use "step thinking," following a step-by-step path in thought.

"Women contextualize sex more, embroider it," said Fisher. "Men are more distractible."

"At your age," Fisher told the students, "men and women are more different. They later become more alike."

She also outlined some changing trends in sexuality. Female sexuality is being redefined, and women are starting the mating processes earlier but marrying later. Society is also beginning to show more acknowledgment for the sexuality of senior citizens. The

world is becoming more educated, with access to contraception and sex education.

Most important of the changes, said Fisher, is the milestone of women's entrance and movement into the job market. With this change, women are returning to a sexual freedom that they enjoyed for millions of years, and the "double standard" of society's treatment of women versus men is also declining.

As an example, Fisher used the marital behavior of Prince Charles and Diana. She said that 50 years ago, Charles would have been considered a "dashing rogue," but instead today is widely considered a "villain."

"Diana struck a chord with poetic justice," she added.

"Scientists regard love as a mystery," said Fisher, who is currently working on research that may be a major breakthrough in understanding the workings of love.

In her study, she asks people who claim to be in love to bring in a photograph of the loved one, as well as a picture that invokes no emotional reaction in them whatsoever. During an MRI brain scan, the subject looks at the picture of his or her love, and then performs a distraction task, such as counting backward from a large number in increments of seven, which cleanses the brain of emotions. Next, the subject looks at the neutral photo while the brain is scanned once again for emotional response.

Fisher is analyzing the data now, and it will be published in her next book.

Fisher also introduced an idea to the audience about "love maps" that each person acquires at a young age. The maps are unconscious lists of traits people look for in a mate. The maps can be developed by factors including childhood, upbringing, family and friends.

"Who you choose to love is cultural," said Fisher.



Anthropologist Helen Fisher spoke last Monday on gender behaviors at a University Scholars Program forum.

## Waste water treatment site a scientific rediscovery

◆ An aesthetically attractive site in Chatham County is home to a wastewater treatment system.

Carie Windham  
Assistant News Editor

Behind an abandoned schoolhouse-turned-business complex in Chatham County, a small courtyard is captivating visitors and changing the way people look at wastewater treatment.

Vibrant colors and lush plants make this spot full of beauty and life. However, it is not its beauty that makes this area so unique. In fact, its draw has nothing to do with the life that comes from its ground. Instead, it is what is happening beneath the ground that makes this area so notable.

Created by Halford House, this spot is home to a new system of waste water treatment, a system that uses a reconstructed wetland to filter and purify over 1,200 gallons of sewer water that is used by the employees of the building. As North Carolina's first and only self-contained wastewater treatment center for an entire office building, the possibilities it creates are endless.

"People can't believe that when they're out here, they are essentially sitting on top of a wastewater treatment system," said House.

The science behind the system is simple. It uses natural processes and plants to mimic the natural process of water purification.

"Nature has been cleansing water for millions of years, so we figure it's got the process figured out pretty well," House said.

This "process" includes three major components: a "hill/marsh" wetland that mimics a set of sand dunes around a marsh, a wetland designed to flood and drain like a tidal marsh, and a set of greenhouse planters filled with tropical

plants. Together, these components use soil, plants and microbes to filter the water used by the buildings and then return the water to flush toilets and irrigate the lawn and plants surrounding the building.

The process begins when the wastewater from the building flows into a 2,000-gallon septic tank behind the building.

Next, the water is released into the "hill/marsh" wetland area about every six to eight hours. From this point, the water flows through three sand filters where sand, microbes and plants' roots work to purify the water.

After this step, the water moves into the "tidal marsh" wetland. In this area, the flooding and draining cycles of natural wetlands are mimicked to control the flow of nitrogen and phosphorus from the system.

During the last step, the water is disinfected by ultraviolet light and sent to the greenhouse. Inside the greenhouse, an array of tropical plants takes up and transforms the small concentrations of remaining nutrients. As a final step, water leaving the greenhouse is treated with chlorine.

The entire process takes anywhere from seven to ten days.

"Our goal is to have no mechanical parts," House said. "We're not there yet."

Even with mechanical parts, there is very little maintenance required to maintain the site. In fact, the only actual maintenance is simple gardening and pruning. In addition, testing is done consistently to keep a record for laboratory purposes.

At a time when clean water is hard to find and reservoirs are continually getting lower, the need for self-contained wastewater treatment centers is enormous. They serve as a way to clean water the way nature does, free of most of the harsh chemicals that pollute and destroy the environment.

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The Durham Rescue Mission held their annual community Thanksgiving dinner over the break. In addition to the 75 turkeys and 350 pounds of ham, clothing items were provided for the needy and homeless.

# Opinion

## TECHNICIAN'S VIEW

### Graham's comments are typical

#### TECHNICIAN ANALYZES REV. GRAHAM'S CONTROVERSIAL COMMENTS ON ISLAM.

"We're not attacking Islam but Islam has attacked us. The God of Islam is not the same God. He's not the son of God of the Christian or Jewish-Christian faith. It's a different God and I believe it is a very evil and wicked religion."

The above quote was given by Rev. Franklin Graham, Rev. Billy Graham's son, in an interview just over a month ago. Since then, Graham's comments have elicited heated criticisms from Muslims. Graham currently stands by his comments. Technician takes this opportunity to analyze sentence-by-sentence Rev. Graham's comments.

"We're not attacking Islam, but Islam attacked us." This statement is partially correct but reveals Rev. Graham's apparent misconceptions about Islam and how it relates to our current conflict in Afghanistan. As President Bush has emphasized repeatedly, we are not attacking Islam as a religion. We are, however, attacking the group(s) that attacked us in the name of a skewed, right-wing interpretation of Islam.

"The God of Islam is not the same God. He's not the son of God of the Christian or Jewish-Christian faith."

One is thing is for certain, Islam and Christianity are both monotheistic religions; how or what one thinks about that single God is determined by the individual. Rev. Graham is a reverend after all, and is completely entitled to his own view of the difference between his own religion, Christianity, and Islam.

"It's a different God and I believe it [Islam] is a very evil and wicked religion."

gion."

Here again, one must be cognizant of the difference between Islam as it has been seen observed as of late (through the proclamation of Jihad against the United States) and the religion as a whole. Christianity has had fanatics, like David Koresh and the Branch Dividians, paralleling the Taliban and al-Qaida, committing atrocities in the name of an evil and wicked interpretation of Christianity. This does not make Christianity as a whole evil and wicked.

The saddest thing about this situation is not that Rev. Graham made these statements. This is America, home of free speech. The worst repercussion is how evident it is that Graham made these comments without sufficient knowledge of the Islam religion. There is a movement afoot in the United States of people judging before knowing fully the situation they judge. In this respect, Graham is similar to many Americans, but, being a public figurehead, his comments are taken much more seriously.

It is unfair to ask Graham to change his opinion, but at the same time, his comments are detrimental to the unifying peace our country is striving for as we attempt to end this conflict with a new understanding. A saving grace is that Graham is not shunning the people of the religion he called "evil" and "wicked." A spokesman for Graham's ministry told the Charlotte Observer that his Samaritan's Purse ministry is continuing to provide significant aid to Muslims in need around the world.



## The more things change...



Chris Hickling  
STAFF COLUMNIST

mass-prepared dining hall food, suitcases who fail to bathe regularly, etc.). This year, I was coming home as a full-fledged home owner. Once you have left the comfort of on-campus living, there are some things that bring you that much closer to the real world. I pay the ultra-expensive cable bill. I know all too well the mystery charges on my phone bill (You have to pay for 911). Every other Monday, I put my bottles, cans, newspaper (subliminal message: recycle Technician) and other recyclables out on the curb.

I thought that I would come home with some sense of home rent maturity, some new feelings, towards home because I was off campus. I was wrong.

Weeks before the break began, I unconsciously started to stockpile dirty laundry. I have a washer and dryer in my basement, although the sticker on the side of the dryer says "We Like Ike." I could have done my own laundry, but something held me back. It wasn't just

laundry. When I got home, I fell into some of the same routines that dotted my on-campus habits; not only did I dust off the Nintendo, which I never play, but I got into the old brother vs. brother Mario Tennis rivalry. Imagine playing James Bond as the clock on the wall reads 4 a.m.

There is immense pressure to undergo some monumental change when you are in college. I hope that I can shed some old habits (i.e. 4 a.m. Nintendo). But there are some things that should remain solid. Nothing, including college life, should erode these traits that make life worth living. I hope that I never lose my sense of family, of home, my fascination of life and its amazing simplicities. I hope that I never stop being thankful for everyday miracles.

Thanksgiving is arguably the most reflective holiday, and the past year has not been the best in recent memory. This time last year, we still didn't know who our president would be. A nation already divided because of the election slipped deeper and deeper into economic uncertainties. We hit rock bottom almost three months ago. Hard-working men and women had to spend Thanksgiving in Afghanistan, their meal consisting of military rations.

It doesn't seem like we have that much to be thankful for. Instead of looking at the huge headlines proclaiming war and recession, look inside and see that you do indeed have much to be thankful for. The fact that you are in college, reading a paper that is printed on a free press, is an amazing fact in and of itself. That

you can read at all is cause to give thanks. Above all, we should always be thankful for living in the best country in the world. We have people who are willing to spend the holidays away from their loving families and put their lives in danger just to preserve freedom. Every morning when you wake up, you should be thankful for that freedom. With it, you can think, speak and act as you wish. You can worship without fear of prosecution. In a smaller sense, you can roll down the ever-shrinking hill at the Court of the Carolinas and wear pajama pants to class.

So, when you go home again in a few weeks, don't worry about going through life-altering change. College, just like any life experience, is designed for change. If you leave exactly the same as you were before, you will regret not taking advantage of the freest time in your life. But if you change everything about yourself just because you are in college, then your personality is too fluid, and you will go through life not knowing who you really are. Don't be a chameleon, but don't be a block of concrete either. Hold on to the subtlety of life; stare at the clouds and imagine what they are, wear your favorite shirt, take an extra shower. Give thanks that you are here and alive today.

Vacations go too quickly. But Chris is still thankful that he got a little respite from Raleigh. Tell him how creamy your mashed potatoes were at [chwicki@univ.ncsu.edu](mailto:chwicki@univ.ncsu.edu).

## The Afghan Talks

Washington Post  
STAFF EDITORIAL

As might be expected, a confusing and contradictory welter of reports has preceded the UN-sponsored negotiations on a new government for Afghanistan, which begin in Bonn on Tuesday. U.S. diplomats, playing their usual role, have sounded constructive and optimistic notes, predicting it will be possible to hammer out a formula for an interim government that will include all of Afghanistan's major ethnic groups. The various Afghan groups, playing their usual part, have been staking out mutually exclusive positions or minimizing the significance of the Bonn talks, even as their various foreign sponsors warily watch each other over the Afghans' shoulders. Even the United States and Britain have been at odds in the past week over whether and when Western peacekeeping troops should be deployed. Such a thicket was probably inevitable. But it shouldn't be allowed to stand in the way of the continuing military campaign, nor too long delay a political and security order to fill the vacuum left by the Taliban.

In the short term, the paramount U.S. goal — eliminating the remnants of Taliban rule and destroying the al-Qaida network — may constrain the ability of the Bush administration to force an Afghan political solution. To accomplish their military aims, U.S. commanders still need the help of the Northern Alliance, the coalition of ethnic minority groups that now holds Kabul and most of the rest of the country. That means avoiding a conflict with the Alliance over political and security issues, as was threatened last week when the British sought to deploy troops at the main air base outside Kabul without Afghan agreement. British and Pakistani officials are understandably concerned about allowing the Alliance to consolidate control over the capital and key installations, since any workable political solution will require giving ground to other Afghan or international forces. But with the war still very much on, Western leaders must try other ways of getting the various Alliance fac-

tions to cooperate in Bonn. The prospect of international reconstruction aid can be used as leverage; so can eventual Western and UN recognition for an Afghan government, which is something the Taliban never achieved.

Despite the fractious history of the various Tajik, Hazara and Uzbek forces in the Alliance — not to mention the three other Afghan groups due to appear in Bonn — there are some grounds for optimism. Though the Alliance deployed forces in Kabul over Western objections, it has so far kept relatively good order in the capital and other cities, making the need for peacekeepers less urgent. At least some key Alliance leaders, such as the "foreign minister," Abdullah, have publicly supported the idea of a broad-based government that gives a prominent role to ethnic Pashtuns, who make up 40 percent of Afghanistan's population. In theory, at least, an agreement on an interim government or council might open the way to the inclusion of Pashtun forces in the policing of Kabul and other areas in the south. In that case, international forces would be needed only if requested by the Afghans, and they could be dedicated to buffer areas or specific tasks such as securing humanitarian aid.

In the end, however, a stable Afghan solution will require the Northern Alliance leaders to accept the political primacy of southern Pashtuns, while retaining a significant role in the national government, and perhaps dominance over security in the north, where the non-Pashtun groups mostly live. Though many northern leaders clearly want more than that, U.S. officials hope they will bow to the reality that overplaying their hand will invite a return to the civil war of the early '90s — a conflict that eventually led to their defeat by the Taliban. For now, with crucial battles still to be fought against al-Qaida, it's worth giving our Afghan allies that chance to be reasonable. Yet, over time, if reason fails, stronger steps should not be ruled out.

This editorial appeared in *Sunday's Washington Post*.

## TECHNICIAN

NORTH CAROLINA STATE UNIVERSITY STUDENT NEWSPAPER SINCE 1920

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Decker Ngongang  
STAFF COLUMNIST

at school. I have been both a victim and an instigator of haterese activities. And as I grow as a person and student, I feel the only way to settle those old emotions is to put them out here.

Being in college, there are times when young people feel the need to have parties and release a little stress. These parties occur usually on the weekends at various locations, from apartments to Talley Student Center. I am a resident of the Abbey Apartments, a prominent destination for many of these functions, and being right here, have seen many hate violations.

Guys have been the most visible victims during these events. As many males begin their search for females, they feel the need to "hate" on others in order to build their image. This I believe is where many "party fights" find their beginning, with guys seeing another guy that they are either envious of, or one who "thinks he is cool." This is an easy and well-known sign of hateration, and the remedy for this isn't as obvious as one might think. I had a pretty large festive event the first weekend before this semester began, and I saw all the signs come together. Guys came, guys hated, and there was a fight. We must end the cycle of hateration and learn that it benefits no one.

Hateration is not the nourishment to party-poopers; it also finds a home in

those we forget about when speaking of haters. Students at this school see it all the time; in our classes we have the haters, and in the library we see the haters. In the university system there is a growing correlation between success and competition. I am in probably one of the hardest sciences I have taken; genetics is proving very challenging to me.

In my class I am finding an abundance of haters; they are selfish and pretty damn mean. They won't help me or the other students in need of help. It would be one thing if I was trying to cheat off their papers or test, but I simply want help learning the concepts. They are haters because they won't help. They lie and say they don't know when it's evident after they get their tests back that they obviously knew something. They have been studying too much historiological science. I give props to the study groups in the library who use group study to facilitate the learning process. That is what helps me, and I know it makes us better students.

I am a hater. I have to admit it. I have hated at Wolfpack Basketball, Wolfpack Football and even soccer games. I am not a coach, and I am not going to begin to act like I know as much as the various sports coaches. I was at the basketball game on Friday and found myself guilty of hater abuse. I am a Scooter Sherrill fan; I've been one since I saw him in high school. This isn't high school, but I still think he can be one of the best players in the ACC. For these reasons, some of Herb's actions were subject to my haterese opinions, and I know that it wasn't right of me to hate in such a way, but college athletics is for the haters. I hated on the football team for not getting a first down at the end of the Maryland game, even though I doubt I could manage to catch a blade of grass on the football field.

College is a sport that caters to haters.

It even creates them. On any given day, there are thousands of men and women who criticize their favorite team for something they can't even think about doing themselves. I criticized the women's basketball team last year for not winning the tournament. They had an awsome year compared to our guy's team, but to the average hater, that's not good enough. College sports need haters to fuel the fire, to create the "I told you so" to shut people up and the demand for their self itself.

Lastly I touch on the biggest haters of them all. My mom, she takes the cake of all haters. Parents take haterese pills every year to maintain their hate levels. At young ages they hate on us for the things every kid does. "Decker, stop running." "Decker, stop hitting your little sister" and the list goes on. This is our first introduction to this phenomenon of haters and hateration. Next, we grow into adolescents when our parents don't let us talk on the phone, yell at us for not doing our homework and won't let us meet our friends at the movies. It's hateration to the exponential level. High school is our chance to end the haterese cycle, but they return the heat with curfews, endless questions about our sex lives and the constant nagging about our direction. I understand they are looking out for us, but it can get very overdone.

Family hates, friends hate, and strangers hate. Let's end hating and spread some loving. We are always trying to change people or hate them because they aren't us, or even because we think they are better than we are. I don't have the answer, just the column about it.

This weekend Decker was hated on by his aunts for not having a 4.0, a girlfriend, and for not beating Maryland last weekend. He simply cried and ate fried turkey. Console Decker with e-mail at [dmgonga@univ.ncsu.edu](mailto:dmgonga@univ.ncsu.edu).



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## TREATMENT

Continued from Page 1

In addition, these systems are much more economical for the consumer. They allow consumers to only "purchase the water once." This water is then used to flush toilets and then to irrigate the landscape. Not only can people save money on water bills, but the system eliminates the need for fertilizers and sprinkler systems.

The location of the project was simply a case of being at "the right place at the right time," said House.

The building once housed Bells Schoolhouse but had since been left neglected and unoccupied for years. House recalled that it was falling apart, with broken windows, overgrown vines, graffiti and heaps of garbage. For years, it was considered an eyesore in the community. In addition to these problems, the building had no traditional means of wastewater treatment available. Its rural location left it with few options and a bleak future.

However, one company thought this building had potential. EMJ America, Inc., under the direction of Lyle Estill, decided to convert the building into its new headquarters. The company has a long history of work with the environment, including being pioneers of recycling and conservation efforts. This is where House stepped in. Although the construction of this particular system began in 1997, House has a long

history of work and research in the area.

He first began working with natural systems in 1986. Although this was around the time when North Carolina first began looking at these systems, the idea was already in practice around the world. In fact, the Chinese have been utilizing these natural systems for thousands of years.

"We're rediscovering a science, basically," said House. "What we're doing is not anything new or difficult, it's how we're applying it. People are having to adjust and think about this so-called 'wastewater' in a new way. Think of it as a resource or something not to be locked up out of sight and out of mind. They can actually grow a landscape with it."

House hopes to use the data and observations collected at the Chatham County site to expand the idea across the state. He is currently working with the town of Pittsboro, Meredith College and other environmental centers.

Not only will this system serve as a "test case" for wastewater treatment across North Carolina and the country, but it also has many other uses in the community. In addition to being an outdoor lab for testing the water and the system, the site is used for student projects on every level of education, from elementary schoolchildren to college students.

The NCSU College of Design is also interested in the area because it can help design students, especially those in landscape architecture, learn more about the craft. Landscape architecture senior

Adam Page joined the project at the beginning of the summer after hearing a lecture given by House at the College of Design. Enrolled in an environmental class at the time and having just written a paper on the issue of wastewater treatment, Adam found the lecture "absolutely intriguing."

After the lecture, Page contacted House and has since been a driving force in the maintenance and further exploration of the system.

While in the beginning, he mainly worked on landscaping the area, his contributions have since grown to include developing an overall design concept, changing the texture of the previous design, adding brilliant colors and adding herbs.

"We want to enhance all of the senses in a positive way," he explained.

In addition to Page, design student Elizabeth Westbrook has also been a significant part of the project. As plans for expansion continue to grow, House hopes that more students will want to get involved with research and summer internships.

"I rely on students, especially those in design, for fresh ideas. They are an integral part of the project," he said.

Besides the opportunity to work with these students and the effects that his project is having on conservation efforts nationwide, the greatest satisfaction for House comes from the water itself.

"What really excites me, in general, is seeing clear water sparkle again and giving it new life," he said.

Students interested in working with House or anyone looking for more information on wastewater treatment can contact him at (919) 967-6494 or visit the Web site at [www.waterrecycling.com](http://www.waterrecycling.com).

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Rental Equipment*	\$21.95	\$18.95	
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All Day	Night		
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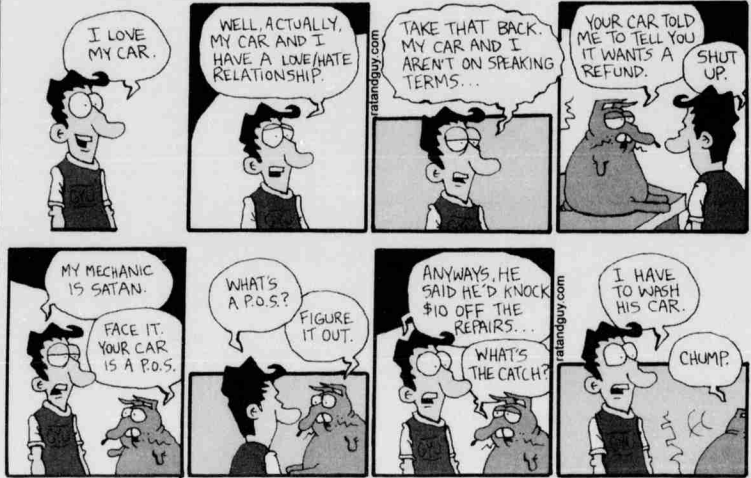
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4 **Monday**  
 **Serious<sup>2</sup>**

**these weird people** by antonio brunson



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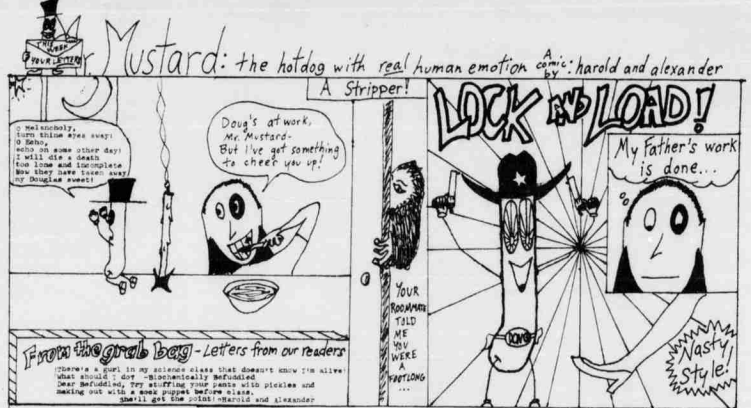
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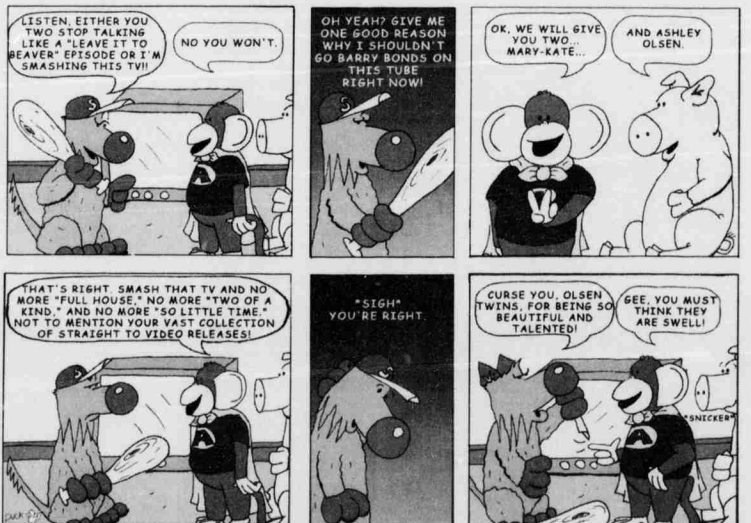
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# THE WOLFPACK

## W · E · E · K



19	20	21	22	23	24	25
WXC, 2nd MXC, 9th	MB 75, JMU 58 WB 62, GW 54			MB 63, Citadel 53 WB 50, Indiana 44	FB 27, Ohio 7	
26	27	28	29	30	1	2
WB v. ODU, 7	MB @ OSU <sup>1</sup> , 7:30	WB v. Char. So., 7		W @ Vegas Open	MB v. UMass, 2:30 W @ Vegas Open	WB v. Tenn. <sup>2</sup>
XC - Cross Country FB - Football		MB - Men's Basketball WB - Women's Basketball W - Wrestling		<sup>1</sup> ACC-Big Ten Challenge <sup>2</sup> Honda Elite Classic (@ Orlando, Fla.)		

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Program Information:  
Sessions:

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Bragaw Activity Room
- December 3rd & 4th at 4:30  
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Application Deadline:  
January 9, 2002

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### BASKETBALL

Continued from Page 8

a lot better job. I think in the games, there's just something about the pressure being there."

Some positives did come out of the ugly game, as State's defense continued to suffocate opponents and held the Hoosiers to only 25 percent shooting from the floor. The Pack also blocked eight shots.

Even though the game was close, Yow used the depth of her bench to keep fresh legs on the court and to try to find the right offensive combination. Ten different players were in the fray for at least 11 minutes.

"I'm really proud of our team because we have to play a lot of combinations right now," Yow said. "We're really looking for that chemistry."

State guard Ivy Gardner played 10 minutes against George Washington Tuesday in her first game action since undergoing knee surgery just nine days earlier. Gardner was originally expected to miss several weeks, and she did not play against Indiana.

After trailing George Washington at halftime, the Pack's defense clamped down and held the Colonials to 25 percent shooting in the second frame.

Adeola Olanrewaju played her best game of the season, scoring 13 points on 4-of-6 from the field and grabbing seven rebounds.

"In practice, the coaches always get on me and tell me if I'm open and have to think about it, don't shoot the ball," Olanrewaju said. "I just got it and shot. And rebounding, that's always been my niche. When the ball goes up, I'm going after it."

Moody also scored 13 and pulled down a game-high 12 rebounds, as the Pack won 62-54 in its first ever appearance at the Entertainment and Sports Arena.

The team returns to Reynolds Coliseum tonight to host ODU. The Monarchs opened the season with an easy win over fowson but were then upset by Virginia Tech. ODU rebounded to beat Virginia Commonwealth in its last game on Friday.

The Monarchs are led by junior guard Okeisha Howard and senior forward Hamchetou Maiga, who are averaging 15.7 and 10.7 points per game, respectively. ODU has come on strong in the second half, outscoring its opponents 120-83 after the break in the first three games of the season.

Head coach Wendy Larry is in her 15th season at the reins and has compiled an impressive 332-110 overall record.

### POWELL

Continued from Page 8

Ohio State."

Not many would have expected State to struggle with The Citadel, but then again, fewer would have expected the Pack to win by 10 with Grundy and Miller, two of its biggest guns, misfiring most of the night.

"We didn't execute like we wanted to," said Grundy. "We had been playing against a lot of man, and they came at us with the zone, and it took us a while to get adjusted. [but] our bench did a great job of coming off and helping us as much as they did."


In addition to Powell's game-high 16 points, Miller added 12 and Marcus Melvin had nine points for State. Michael Joseph led The Citadel with 13.

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# WEEK TWELVE



**TOP 4**

JESSE HELMS 103-41  
 JEREMY ASHTON 101-43  
 STUART COOPER 99-45  
 MARYE ANNE FOX 99-45

**BOTTOM 4**

CHIP ALEXANDER 98-46  
 MIKE EASLEY 96-48  
 CAULTON TUDOR 95-49  
 DARRYL WILLIE 92-52



## PIG SKIN PICKS

Games played  
the week of ~

**NOV. 24**



### THE CONTENDERS [THEIR PROFESSION]

Overall Score	Jesse Helms	Marye Anne Fox	Mike Easley	Chip Alexander	Caulton Tudor	Stuart Cooper	Darryl Willie	Jeremy Ashton
THIS WEEK'S SCORE	103-41	99-45	96-48	98-46	95-49	99-45	92-52	101-43
N.C. State 27, Ohio 7	7-5	9-3	8-4	8-4	8-4	7-5	8-4	9-3
Georgia 31, Georgia Tech 17	N.C. State	N.C. State	N.C. State	N.C. State	N.C. State	N.C. State	N.C. State	N.C. State
Wake Forest 38, N. Illinois 35	Georgia	Georgia	Ga. Tech	Georgia	Ga. Tech	Ga. Tech	Ga. Tech	Ga. Tech
Colorado 62, Nebraska 36	Wake	Wake	Wake	Wake	Wake	Wake	Wake	Wake
Texas 21, Texas A&M 7	Nebraska	Nebraska	Colorado	Colorado	Colorado	Nebraska	Colorado	Nebraska
Miami 65, Washington 7	Texas	Texas	A&M	A&M	Texas	Texas	A&M	Texas
Syracuse 39, Boston College 28	Miami	Miami	Miami	Miami	Miami	Miami	Miami	Miami
Ohio State 26, Michigan 20	BC	Syracuse	Syracuse	Syracuse	BC	Syracuse	Syracuse	Syracuse
Illinois 34, Northwestern 28	Michigan	Michigan	Michigan	Michigan	Michigan	Michigan	Michigan	Ohio St.
Iowa State 17, Iowa 14	Illinois	Illinois	Illinois	N'western	Illinois	Illinois	Illinois	Illinois
LSU 41, Arkansas 38	Iowa	Iowa St.	Iowa St.	Iowa St.	Iowa St.	Iowa	Iowa St.	Iowa St.
Penn State 42, Michigan State 37	LSU	LSU	LSU	Arkansas	LSU	LSU	LSU	LSU
	Mich. St.	Mich. St.	Mich. St.	Penn St.	Mich. St.	Mich. St.	Mich. St.	Mich. St.



## AROUND THE ACC

Team	ACC Record	Overall
Maryland	7-1	10-1
Florida State	5-2	6-4
North Carolina	5-3	6-5
Georgia Tech	4-3	7-3
N.C. State	4-4	6-4
Clemson	3-4	5-5
Wake Forest	3-5	5-5
Virginia	3-5	4-7
Duke	0-7	0-10

### Saturday's results:

**No. 16 Georgia 31, Georgia Tech 17**  
 The Dawgs dominated Tech on the ground, rushing for 242 yards to the Jackets' 63, including 207 for Verron Hayes. Tech and Florida State will be unranked and fighting for Gator/Peachi/Tangerine Bowl positioning in their showdown Saturday. Who'd have think it?

**Wake Forest 38, Northern Illinois 35**  
 Despite a pair of fourth-quarter touchdowns, Wake held off the Huskies to become bowl eligible. Up next for the Demon Deacons: waiting and politicking for a bowl bid.

**Duke 0, Bye Week 0**  
 Duke didn't lose! Duke didn't lose!

## OHIO

*Continued from Page 8*

and finished with 221 yards and a touchdown.

Rivers stayed in the game for a few plays after injuring his toe, but he was eventually forced to the sideline and didn't return. He will have a limited practice schedule over the next couple of weeks, but head coach Chuck Amato expects him to be ready for whatever bowl game the Pack plays in.

"It was just kind of hurting to push off and run," Rivers said. "It was tolerable. If I thought it was a crucial situation in the game, I probably could have fought through it, but I probably wouldn't have been 100 percent."

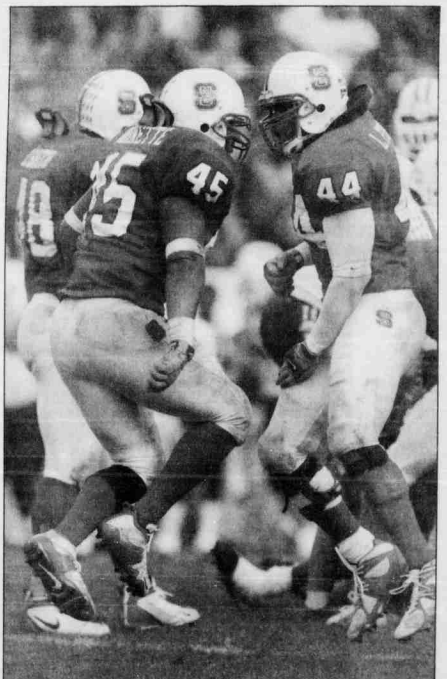
"It worked out good for Olin to get in there and play well and finish out the game, and I was happy for him to come in there and play well and help us get some more points on the board and seal the win."

Hannum, who has been on the field in several different capacities for the Pack because of Amato's fondness for his athleticism and toughness, spends the off-season as a professional rodeo performer. Amato said he almost needed him to use those rodeo skills during the game.

"That doggone No. 19 shows the importance of being tough," Amato said. "Philip is tough, too. Philip did not want to come out. I thought I might have to ask The Cowboy for a rope to tussle Philip and pull him out."

Even when he took over the quarterbacking duties, Hannum didn't want to come off of the kickoff team, where he began the game and recorded a tackle. Amato eventually convinced him to come out but not without sending him onto the field first to draw some cheers from the fans.

"That's my job is the kickoff team, and I was fortunate enough to get to play some quarterback today, too," Hannum said. "That was just a bonus."



Antonio Burnette (45) and Levar Fisher (44) celebrate after a big defensive stop. Saturday's game was the final game at Carter-Finley Stadium for Fisher, who will leave N.C. State as the Wolfpack's all-time leading tackler.

## HOLT

*Continued from Page 8*

on the field. Besides Hannum's performance, Robinson led the team in receiving with 71 yards and also scored a rushing touchdown. Tight end Willie Wright caught four passes

for 42 yards, and linebacker Levar Fisher had five solo tackles and seven assists.

"Knowing you're not going to be here anymore, it's just mind boggling," said Fisher. "It's a great feeling. We had a lot of ups, and we had a lot of things done on that field. I had the most fun of my life on that field."

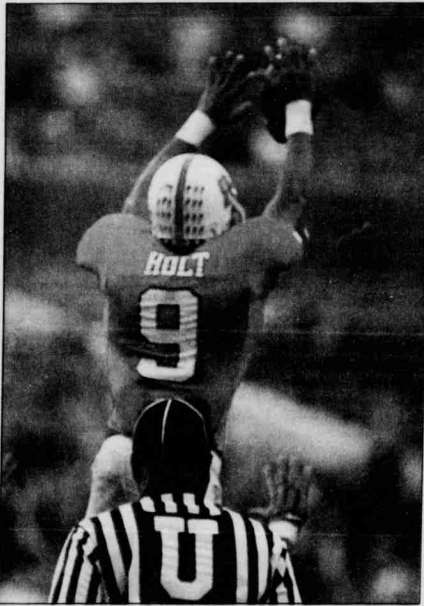
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Football 27, Ohio 7  
M. Basketball 63, The Citadel 53  
W. Basketball 50, Indiana 44



Football @ Bowl Game, TBD  
M. Basketball @ Ohio St., 11/27, 7:30  
W. Basketball vs. ODU, 11/26, 7  
Wrestling @ Las Vegas Open, 11/30

## Holt's block energizes Pack



Terrence Holt recorded his fourth blocked field goal of the season and the seventh of his career Saturday against Ohio. Holt's block turned the momentum in N.C. State's favor in Saturday's 27-7 win.

◆ The N.C. State defense dominated to help get the Wolfpack to 7-4.

**Jay Kohler**  
Staff Writer

It wasn't supposed to look like this. Ohio was tied with N.C. State after the first quarter and was down just a touchdown at the half. With bowl representatives looking on and the Bobcats threatening to tie it up with first-and-10 from State's 23-yard line, the Wolfpack needed a big play. The defense managed to stop Ohio at the State 16, but the Bobcats came out for a field goal.

Enter Terrence Holt. Holt managed to time his jump and take the angle exactly right for the fourth time this season and the seventh time in his career as he spiked Kevin Kerr's 32-yard field goal attempt into the turf and then fell on top of it for the recovery.

State (7-4) never let Ohio (1-10) back into its half of the field, as the Pack closed out its regular season at Carter-Finley Stadium with a 27-7 victory on an emotional Senior Day. The Pack was led by quarterback Philip Rivers' 221 passing yards on 22-of-26 passes and backup Olin Hannum's 87 rushing yards.

"When you can play defense, you've got a chance to beat anybody," said head coach Chuck Amato. "We played good defense.

That team right there rushed for 317 against Marshall last week. And [today] they got 185 total offense [yards], and most of it was on the ground. But when you play defense, you've got a chance, you've really got a chance to win any game you're in, and we did that today."

Defense was very important for the Pack. Five of Ohio's 11 possessions ended in punts, and three others finished on downs. Nine of the drives, all of which died in Ohio's half of the field, went no further than six plays. The Bobcats were also only 6-of-15 on third downs.

State started the game off with a punt but drove 55 yards on its next possession, which was capped off with a 4-yard touchdown rush by senior Ray Robinson. On the drive, Rivers was 3-for-3, with each reception getting the Pack more than 10 yards.

Ohio, however, wouldn't go away. On their next possession, the Bobcats drove 72 yards, converting on third down three times. Jamel Patterson, Ohio's leading rusher, ran the ball on third-and-1 for a 27-yard touchdown to knot the score at seven by the end of the first quarter.

State scored once more in the first half, driving 84 yards down the field and scoring on a 6-yard pass to Jerrihco Cotchery from Rivers.

The State defense held up the rest of the game. After Holt's blocked field goal, Ohio wouldn't threaten again.

Meanwhile, State's offense chugged consistently in the second half, although the team took on a very different feel midway through the third quarter. With less than five minutes left in the quarter, Rivers left the game with a chipped bone on the big toe of his left foot.

Hannum came on the field and made the team his own. Immediately, State became a team that played an option-style offense, and Hannum attacked the ground. Under his guidance, the Pack scored two field goals and a touchdown.

The touchdown was scored by Hannum, which was his first rushing touchdown of the season. Hannum, who Amato calls "The Cowboy," led both teams in rushing.

"Olin went in there and just pounded and pounded," Amato said. "It's amazing the cuts he makes. He's a tough young man. It was a great team effort."

Since Saturday's game was the final one at home this year, State's seniors were recognized before the game, and their effort was obvious

See HOLT, Page 7



Freshman Josh Powell reacts after getting fouled while scoring. Powell finished with 16 points as the men's basketball defeated The Citadel 63-53 Friday.

## Powell's 16 push Pack to win

◆ Despite its poorest shooting performance so far, N.C. State was too much for The Citadel.

**Andrew B. Carter**  
Staff Writer

It was, perhaps, the kind of game N.C. State needed to play.

Certainly, the Wolfpack would much rather have cruised to a lopsided victory over The Citadel. But on a Friday night that saw seniors

learned some important lessons and escaped the Entertainment and Sports Arena with a 63-53 win over the Bulldogs.

"I thought The Citadel was really impressive tonight," said Pack Coach Herb Sendek. "They did a great job of keeping us off-balance, mixing their zone with a variety of traps, some man-to-man, and a little bit of press sprinkled in. We really never got into an offensive rhythm."

State (5-0), which had shot no worse than 52.2 percent in its first four victories, made 34.6 percent of its attempts on this night. Despite the fact that State didn't exactly set the nets afire, the Pack never trailed in the contest and consistently made plays to earn a hard-fought victory.

The Citadel (1-1) trailed by as many as nine points midway in the first half before trimming the Pack lead to just two at 25-23 with a little more than three minutes before halftime.

But after the Bulldogs missed two layups that could have tied the game, State freshman Julius Hodge, who scored seven points, nailed a three-pointer that ignited an 8-0 Pack spurt, increasing State's lead to 33-23 at the half.

Although it was Hodge's key three that rallied the Pack, it was the play of another freshman, Josh Powell, that was most instrumental in State's victory.

Powell was a force inside all night and provided the Pack with an answer to The Citadel's menacing zone defense. In addition to dropping 16 points, Powell also grabbed eight rebounds and added three blocked shots.

"Every game is a challenge and the teams get harder," said Powell. "They played good and never gave up."

In the second half, State led by as many as 15, and The Citadel crept as close as six. The Pack never could find the one run that could have put the Bulldogs away. Still, State learned how to win when the shots aren't falling.

"We're trying to get better," said Miller. "Two weeks ago in the exhibition, we didn't shoot well, and I thought then that we let all facets of our game be affected by that. Tonight, we didn't."

"We didn't shoot the ball real well, but we worked within our offense and got to the free-throw line. Defensively, we got stops when we needed to; we made our free throws, and it was a good win. We'll take what we can, learn from it and go for

See POWELL, Page 6

## Hannum stellar in relief

◆ N.C. State's do-everything man, Olin Hannum, helped put away Ohio with 87 yards rushing.

**Jeremy Ashton**  
Sports Editor

Olin Hannum has done a little of everything for N.C. State this season. Hannum has lined up at every skill position on offense, and he's spent most of the year on the kick coverage team. In his final game at Carter-

Finley Stadium, he even got to do what he was originally brought to Raleigh for—play quarterback. The senior from Ogden, Utah, entered Saturday's game against Ohio midway through the third quarter in relief of starter Philip Rivers, who chipped a bone in his left big toe. The Wolfpack led just 14-7 when Hannum settled in under center. A quarter and a half later, State had a 27-7 win, and Hannum had a game-high 87 yards rushing and a touchdown.

"I enjoyed it so much, and I enjoyed being able to keep the ball moving and have our offense play as good as it did while I was in, and that we could lose that much when Philip went down," Hannum said. "It meant a lot to our team that we could do that." Hannum's entry into the game drastically altered the look of State's offense. While Rivers tends to stay in the pocket, Hannum does most of his damage when he's scrambling around the field, something the Ohio defense likely wasn't ready to see on a regular basis.

"He's a change of pace," Rivers said. "We've used him to do some things the whole year, but it so happened I couldn't go, and he had to run the offense. He did a lot of his running plays, and he executed it well. I think they were definitely off a step."

Rivers, the guy Hannum replaced, wasn't exactly having a bad game when he left. The sophomore quarterback completed 22-of-26 passes, including 11 in a row at one point.

See OHIO, Page 7



Senior Olin Hannum (19) rushed for 87 yards and his first career rushing touchdown in relief of an injured Philip Rivers.

### Ohio N.C. State

	1	2	3	4	Final
Ohio	7	0	0	0	7
N.C. State	7	7	0	13	27

**Statistical Leaders**

Passing Rivers (NCSU)	221 yards
Rushing Hannum (NCSU)	87 yards
Receiving Robinson (NCSU)	71 yards

**Player of the Game**  
**Philip Rivers and Olin Hannum, N.C. State.** One quarterback put State up with his arm, while the other widened the margin with his legs. Rivers completed 22-of-26 passes for 221 yards and a touchdown before leaving with an injury. Hannum came on in relief and added 87 yards rushing and a touchdown to preserve the win.

**Key Play**  
When the Wolfpack needed a big play, junior Terrence Holt came through as usual. With his team leading just 14-7, Holt blocked Kevin Kerr's 32-yard field-goal attempt, turning the momentum in State's favor.

## Tough schedule continues for unbeaten Pack

◆ After close wins over George Washington and Indiana, the N.C. State women's basketball team tries to stay perfect against No. 17 Old Dominion.

**Jerry Moore**  
Assistant Sports Editor

It hasn't always been pretty for the N.C. State women's basketball team early this season, but the No. 10 Wolfpack has prevailed against some tough competition.

The next challenge for State (4-0) comes tonight as 17th-ranked Old Dominion (2-1) visits Reynolds Coliseum for a 7 p.m. contest.

An easy, blowout win over the Monarchs would be nice for Kay

Yow's team, but it would also be an unlikely departure from the norm. In the last 10 days, State has pulled off single-digit home wins over Drake and No. 18 George Washington. In its most recent action, the Pack came from behind to beat Indiana 50-44 on the road.

Against the Hoosiers on Friday, State turned in its worst shooting performance of the year, connecting on only 34 percent from the field. The usually solid inside tandem of Kaayla Chones and Carisse Moody was held scoreless and without a rebound for the entire

first half. Freshman Kelly Greathouse came off the bench to lead the team with 12 points, but no other player finished in double-figures for the Pack. Moody managed to score nine in the second half, and Amy Simpson added seven, but it looked like Indiana would pull off the upset until State went on a 9-0 run to end the game and grab the win.

"It's critical that we do a great job defensively, and we set our minds to that first and foremost," Yow said. "Our offense isn't close to how we would like it right now. We're just missing, and we're not running anything very well."

"I think it's the pressure of the games right now and playing such tough competition early. In practice, we're doing

See BASKETBALL, Page 6



The women's basketball team defeated Indiana 50-44 on Friday. Carisse Moody (44) finished the game with nine points and three assists.