

# TECHNICIAN

THURSDAY  
OCTOBER14  
2004

technicianonline.com

Raleigh, North Carolina

## University plays role in protecting nation

T.S. Amarasiriwardena  
News Editor

Universities, N.C. State included, will play a large role in the development of technologies that will help to protect the nation, Department of Homeland Security Under Secretary Charles McQueary said.

"We have a lot of vulnerabilities in this country. The issue is not if we can fix all of these issues, but rather doing the things that

we need to do to make the country so that we feel safe about it," he said at a forum Wednesday at the McKimmon Center.

"Science and technology plays a huge part in it," McQueary, the director of the \$1 billion science and technology arm of the department, said. He also said the government has a tough task to overcome.

Explaining the number of miles of borders that must be protected, the amount of passengers carried on flights within the U.S. and cargo entering the nation's ports, he said there is an large number of potential targets for terrorists.

"There are one billion transactions a year, and the Department of Homeland Security has to get each one of those right, while the people who wish to do us harm have to get it right once,"

SECURITY continued on page 2

## Registration and Records makes changes

Josianne Lauber  
Staff Reporter

Registration for fall 2005 classes will run a little differently next year. New changes to the Registration and Records' Web site and TRACS will facilitate easier registration and be more accessible for students next year.

"Our most important goal is to help students find and use the information that is available through the R&R Web site; whether it is the registration, calendar, policy or course information," Nicole Harrell, publication coordinator for Registration and Records, said.

Registration and Records are redesigning their Web site for many reasons. Primarily, changes will be made to become compliant with the American Disabilities Act. Registration and Records plan to meet compliance in their registration system and static Web pages. They also hope to group information as it is on the NCSU main Web site.

Harrell explained, "[We want] to enhance the functionality of our Web site and TRACS system, to improve communication between R&R and different constituencies and to connect information from different areas of the NCSU community.

Sajid Reshamwala, a junior in economics

TRACS continued on page 2

### insidetechnician



**Rights or research**  
Animal testing debate. See page 3.

**focused diversions** 3  
**classifieds** 5  
**sports** 7

**weather today**



75°/59°

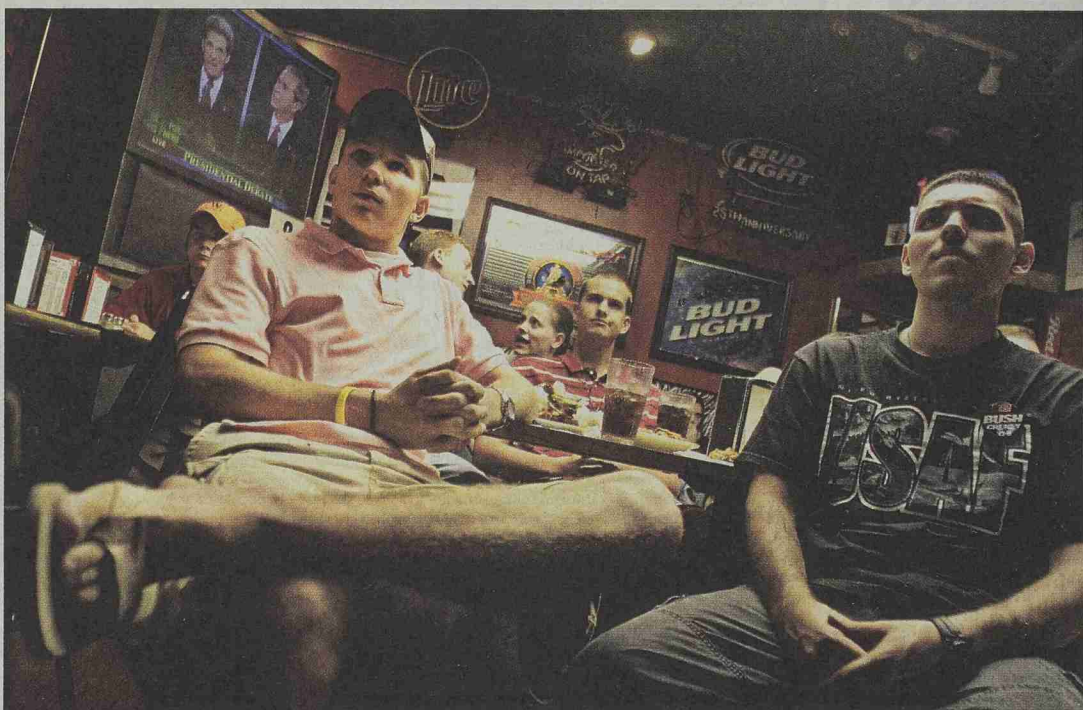
**tomorrow**



67°/48°

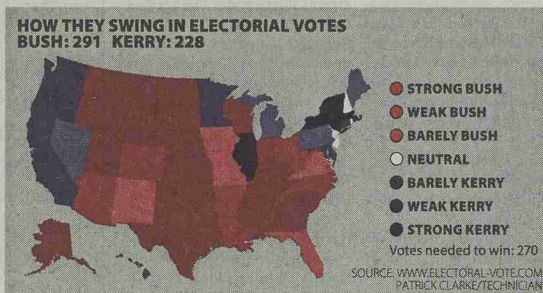
### ELECTIONS 2004

## Bush, Kerry duel over jobs, taxes and health care in final debate



Jon Chichwak, a freshman in political science, and Chris Dulin, a sophomore in aerospace engineering, watch the debate with their fellow College Republicans at Sammy's on Avent Ferry Road on Wednesday night.

### PRESIDENT BUSH AND SEN. JOHN KERRY DEBATED FOR THE FINAL TIME LAST NIGHT LESS THAN THREE WEEKS BEFORE THE ELECTION

Manisha Dass  
Staff Writer

With just 20 days until the election, the third and final debate last night at Arizona State University was perhaps the last chance for President George W. Bush and Sen. John Kerry to get their message across to the millions expected to have watched it on television.

CBS News anchor Bob Schieffer moderated the debate, which started with issues of homeland security.

Kerry began, saying he could do

a much better job protecting the United States and criticized Bush and his administration for not doing enough against fighting terrorism in America. Kerry accused Bush of "rushing into war" with Iraq.

"As a result, America is now bearing this extraordinary burden where we are not as safe as we ought to be," Kerry said.

Bush defended his administration and their decisions on the war in Iraq and the war on terrorism in

DEBATE continued on page 2

## Alternative tanning methods gain popularity

### SOME DEVOTED TANNERS ARE HANGING UP THEIR GOGGLES FOR NEW SUNLESS TANNERS

Haley Huie  
Staff Reporter

Marley Shapiro is a rarity in the world of tanning beds and plastic eye goggles.

Shapiro, a freshman in chemistry, plans to go on to medical school and become a dermatologist after her undergraduate years at N.C. State.

Meanwhile, Shapiro finds herself working the front desk at the local tanning salon, The Beach, on Hillsborough Street.

With the weather turning cooler, she notes that the business has been picking up. Shapiro, who has worked at The Beach for the past few months, usually tans about once a week, which doesn't compare to many of her co-workers, she said.

"You may look good now, but it's going to come back to you later in life," Shapiro said. "I'm from Wilmington, so I'm used to being out in the sun and going to the beach, but I always remember to use sunscreen."

Shapiro speculated that the reason many people choose to tan is because "being

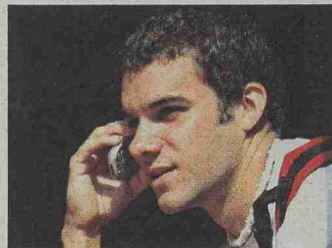


CHRISTOPHER DAPPERT/TECHNICIAN  
Tanning salon users say it's popular because it makes them look healthy in the non-summer seasons.

tan is in style now and makes people look healthy." She recommends that people look into self-tanners and the airbrush tans that are gaining popularity, due to their natural look. Shapiro, instead, suggests that those wanting to tan, but afraid of the health risks, try the self-tanners such as Coppertone's "Endless Summer."

The Beach has three different types of beds to satisfy tanning enthusiasts;

TANNING continued on page 2



MATTHEW ROBBINS/TECHNICIAN  
Michael Laut, a freshman in Art and Design, talks on his cell on the Bragaw breezeway: "I like a cell over a landline because it's already in my pocket, and I don't have to look for a cordless."

## Cell phones cut landlines

Katie Akin  
Staff Reporter

According to the Federal Communications Commission, 61 percent of 18 to 24-year-olds carry cellular phones. With many people in college living in dorms or apartments, traveling between home and college and generally being disconnected from family, having a cell phone oftentimes makes more sense than paying for a landline.

"I hate my cell phone, but it's the most prac-

CELL continued on page 2



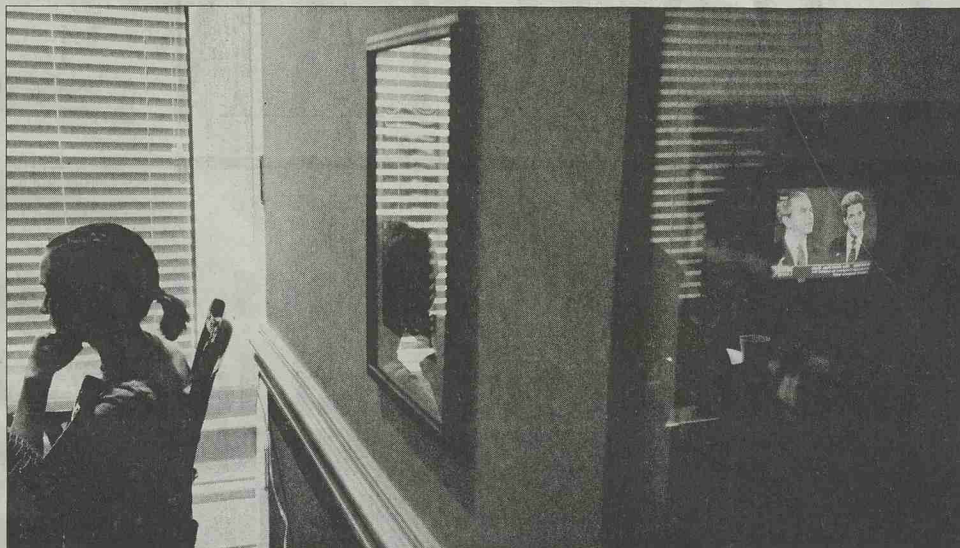
**CLUB OXYGEN TONIGHT!** 18 to party!  
21 to drink!  
**Thursday Night Dollar Night!**

412 W. Davie St. In Downtown Raleigh - Call 919-821-3188 for further details & directions or go to [www.cluboxygenraleigh.com](http://www.cluboxygenraleigh.com)





# Page Two



TAYLOR TEMPLETON/TECHNICIAN

Sophomore Laura Edwards watches the presidential debate at the North Carolina Democratic Headquarters on Wednesday night. The College Democrats were invited, along with other college and high school students, to attend.

## DEBATE

continued from page 1

the United States.

Bush said that we would be safe in America if "we stay on the offense against terrorists and if we spread freedom and liberty around the world."

The second question addressed a concern for many across the nation: healthcare. Kerry gave numerous statistics for Americans who have lost their health insurance under Bush. Kerry said that the Democrats' plan for health insurance and covering American families was not an "empty promise."

Bush's response to Kerry saying that his promises for health insurance aren't empty was a reminder to all viewers of the debate.

"I want to remind people listening tonight that a plan is not a

litany of complaints and a plan is not to lay out programs that you can't pay for," Bush said.

Both candidates also raised ethical issues, including gay marriage and abortion.

Bush commented on his constitutional amendment banning same-sex marriage.

"The reason I did so was because I was worried that activist judges are actually defining the definition of marriage and the surest way to protect marriage between a man and woman is to amend the Constitution," Bush said.

Kerry, who also disagrees with same-sex marriages, in response said, "I believe that because we are the United States of America, we're a country with a great, unbelievable Constitution, with rights that we afford people you can't discriminate in the workplace. You can't discriminate in the rights that you

afford people."

Other key issues in the debate were jobs, taxes and immigration between Mexico and the United States.

Student organizations got together to watch the debates in support of their respective candidate last night.

Hal Lusk, chairman of the College Republicans, and fellow members of the organization met at Sammy's Tap and Grill to watch the debate in an extremely informal environment.

Lusk anticipated Bush to do better prior to the debate.

"Bush wasn't ready for the attacks that Kerry put forward in the first debate. Now he is a little more prepared," he said.

Lusk also thinks that this is not an undecided election.

"Most people I know have already made up their mind and if they have not, the debate is not really going to work to

decide it for them," he said. "If people have been following the election closely, their mind is probably already made up."

On the opposite end of the spectrum, Melissa Price, vice president of the College Democrats, hosted a debate party at her home with a simple premise.

"It was an entertainment opportunity – an opportunity for us to sit around and make fun of Bush," she said.

She warned viewers not to exclusively decide their choice based on the one-on-one spars.

"You really can't trust what either candidate says in debates. You really can't trust politicians," Price commented. "Voters can't make a decision based on the debates. They need to read sources like BBC reports or newspapers outside of the United States in order to make an informed decision about the candidates."

## SECURITY

continued from page 1

McQueary said.

Having toured the campus earlier Wednesday, he said NCSU and other universities will play a major role in developing technologies that will aid the department.

The College of Textiles was awarded an \$830,000 grant in December, 2002, the first of its kind by the department, for developing a next generation fire-fighting suit to protect first responders from chemical and biological agents, in addition to fires.

With an experimental version

unveiled in August, he said he was enthused about the "tremendous steps" the college has taken in developing the suit.

Examining other developments including computer security and sensor development by the College of Engineering and plant and animal pathology experiments going on in the College of Agriculture and Life Sciences, he said that the university had a number of projects underway that were of interest to his arm of the DHS.

With five of the 175 DHS scholarships given out nationally to NCSU students, he said that the university was on the upper level of schools conducting work for the DHS.

## TANNING

continued from page 1

the beds come in 10-minute, 15-minute and 20-minute varieties. Packages are available for the long-term tanner and tanning accelerators are also available on-site. Both men and women are customers at The Beach and they have "regulars" of both sexes, Shapiro said.

Spray-on tanning is not one of the services offered at The Beach, but many competing salons offer them. This method of tanning is more expensive than a single tanning session but offers an immediate tan look and lasts 7-10 days.

Amber Cochran, a tan aficionado, prefers to lay out in the sun, but tans in tanning beds when it is more convenient.

"I know it's bad for you, but I do it anyway," she said.

Cochran, a freshman in First Year College, cited regularly visiting her local tanning salon as the explanation for her perfectly bronzed appearance. She says that she plans to tan only during the winter or for special events in

the future while in college.

In high school, however, she tanned year-round for cheerleading, typically tanning six days a week. Cochran tanned for the aesthetic value, and said that she tries not to do it on a regular basis if there are no special occasions coming up.

"I'm surprised that tanning beds aren't more regulated," said Nancy Hutchinson, a Nurse Practitioner with the Student Health Center.

Hutchinson decried the reasons for exposing oneself to the dangerous UVA/UVB rays involved with tanning.

"The only safe tan comes from a bottle," she said.

Hutchinson acknowledged the fact that many people associate tans with looking healthy. "Over the years, we've been engrained that tans are healthy looking, this is an unfortunate misperception," she said.

Hutchinson reminds the tans in a bottle (available at most drug and grocery stores) and the spray-on tans now offered at many tanning salons as safe and healthy alternatives that yield the same results.

## CELL

continued from page 1

tical way to stay in touch with people," Mark Valeriani, a senior in English, said. "I have family in Massachusetts, so it's good that they can call me on a local number, but I'd rather have a house phone."

"I live in a house with three other guys who have cell phones – there is no reason for us to have a landline," Valeriani added.

Many students are in similar situations, meaning the local cell phone industry has been in a serious upswing over the past few years.

"People are going from dial-up to cable, voicemail replaces the answering machine. You can get features that cost extra on landlines included in a cell phone package," Dan Stahl, manager of Talking Wireless on Hillsborough Street, said.

"The first week that school got back, business was great. Parents and students came in to switch numbers or plans and set up new accounts. A lot of international students use text messaging to

talk to their families overseas," Stahl said.

Molly Patel, a junior in biological science, did change her cellular plan when she came to Raleigh. "I kept my Charlotte number but I changed to Cingular so that I could have unlimited time with other Cingular callers and more minutes."

"My phone bill went up, but it is worth it because I don't have to worry about saving my minutes," Patel said.

Local phone companies have not seen a huge drop in their revenue because they still provide large scale telephone service to businesses and universities.

They are also expanding to invest in other services, for example, BellSouth now offers DIRECTV.

However, there are still students who have not jumped on the cell phone bandwagon, and remain free of commitment to a wireless plan.

"I have never had a cell phone," Monnaca Davis, freshman in computer science, said. "I use my dorm phone and e-mail to get in touch with people and that works just fine."

## TRACS

continued from page 1

and mechanical engineering, finds the current TRACS page hard to navigate.

"The page is really boring and hard to get to. I'm a junior, and I still can't get to it," said Reshawala.

Registration and Records plans to improve the online TRACS system, as well. "Search functions will be improved to assist students in finding courses to properly fit their degree schedule," Harrell said. "Information about paired labs, restrictions and other course notes will be enhanced and made more available."

Harrell explained that frames will be removed from the TRACS system to allow students to use the TRACS system from any browser.

At the end of construction, Harrell hopes the Web site "will

be more easily navigable, content-centered and aesthetically pleasing while being brought into compliance with ADA standards.

"R&R also wants to aid the university in its quest to have a single source for student information," Harrell added.

Along with a new look, Registration and Records is also looking for a new logo and is holding a competition to have a distinctive and original logo that will represent the computer-based registration system for students.

"The logo competition aims to redefine the name of the registration and records system and to give TRACS a graphic presence on campus. The logo will be used throughout N.C. State publications, as well as on the world wide web" said Harrell.

The Registration and Records logo contest is open to any current student at NCSU and will close tomorrow at 5 p.m.

# Get the biggest bang for your parents' buck.

Student Meal\*  
**\$3.99**

\*valid with student ID only



Meal includes: Chicken Finger, Crinkle Fries, Texas toast, Zax Sauce and a regular beverage.

2901 Hillsborough St.  
Raleigh  
919.832.7707

## ZAXBY'S



Offer valid only at 2901 Hillsborough St., Raleigh. Offer available for a limited time only. © 2004 Zaxby's Franchising, Inc. "Zaxby's" and "Zax Sauce" are registered trademarks of Zaxby's Franchising, Inc. © 2004 The Coca-Cola Company. "Coca-Cola" and the Red Bull icon are trademarks of The Coca-Cola Company.

## FUN, EXCITING AND EXHILARATING NOW QUALIFIES AS A JOB DESCRIPTION.

Bright? Outgoing? Energetic? Perfect. How about using your talents to help spread the word about Red Bull?

We're looking for personable and highly motivated people to join the Raleigh/Durham Red Bull Mobile Energy Team. Your part-time job will be to hit the streets delivering energy wherever it's needed. At work, at school, at the gym, on the road, you'll go anywhere and everywhere in search of people who might be tired and in need of energy.

A couple of rules. You should be at least 18, have a good driving record and be able to work flexible hours, including weekends and the occasional evening. Bilingual would be a plus, but most importantly you should be charming and motivated.

If this sounds like fun, you can download an application at [www.recruit.redbullmet.com](http://www.recruit.redbullmet.com).

**Red Bull®**  
ENERGY DRINK

**(NCSU center STAGE)**

**The Invisible Man**  
[Thur, Oct 14]  
8pm | Stewart Theatre

The acclaimed Aquila Theatre Company of London and New York returns with a bold new stage adaptation of H.G. Wells' science fiction classic.

ticket central 919-515-1100 | [www.ncsu.edu/arts](http://www.ncsu.edu/arts)

This series receives support from the North Carolina Arts Council, an agency funded by the State of North Carolina and the National Endowment for the Arts, which believes that a great nation deserves great art.

influences students

**technicianonline.com**  
THE EARLY EDITION

TECHNICIAN  
your campus, unfolded everyday



# focused

# RESEARCH OR RIGHTS

STORY BY ERIN WELCH

It is standard operating procedure in scientific research: before a vaccine or drug can be tested on humans and approved for human consumption, it must be tested on another species. This means a research laboratory must have a wide variety of animals on hand for research purposes.

But there are those that disagree, saying that animal testing has outlived its usefulness. To continue to subject animals to pain in the name of science is morally wrong, they contend.

There is no easy answer, but N.C. State continues to conduct research involving animals, adhering to strict state and federal laws that prevent mistreatment.

As a research institution, N.C. State conducts "almost all types" of animal research, according to Rick Fish, director of Laboratory Animal Resources at the College of Veterinary Medicine.

"The work with animals parallels the research areas of the College of Agriculture and Life Sciences and College of Veterinary Medicine," Fish said.

Research at NCSU focuses on aspects such as human and animal health and diseases, basic biology, livestock production, aquaculture and field studies involving animals and their natural habitats.

Federal laws govern the use of animals in research, teaching and testing. Under these laws, NCSU is required to have an Institutional Animal Care and Use Committee.

The IACUC approves all projects at NCSU involving animals and inspects all facilities where animals are used every six months.

"All animal use, teaching and research using live vertebrate animals is subject to IACUC review," IACUC Coordinator Judith Lassiter said.

The IACUC "is charged to see that the Animal Welfare Act is applied. It is essential to see that animals are used appropriately and humanely in teaching and research."

Appointed by the chancellor, the IACUC assures that all research performed at NCSU complies with the Animal Welfare and Health Research Extension Acts. The committee inspects all programs for the care and use of animals and makes recommendations regarding these inspections to the vice chancellor for research.

Only the IACUC has the authority to

suspend animal care or use activities which fail to comply with federal regulations. However, Lassiter commented that it is rare to find noncompliance in animal research performed at NCSU.

If noncompliance with the Animal Welfare Act is discovered, the action is ceased immediately and corrective action is taken, said Lassiter.

Among other research studies at NCSU, researchers are currently looking at Feline Immunodeficiency Virus in cats, a similar disease to Human Immunodeficiency Virus in humans. The current research has helped to understand how the disease is transmitted and provide insight into possible vaccines for the disease.

However, Fish stressed that research at NCSU does not aim toward medical breakthroughs.

"Medical breakthroughs are not necessarily one of the key missions of the university, as it might be at a university with a medical school," Fish said. "Much of the work done at N.C. State does have relevance to human health and disease."

Fish also referred to NCSU's past in researching hip replacements for dogs with severe arthritis. He said that research performed at NCSU led to these replacements now being relatively standard.

According to Fish, all individuals who work unsupervised with animals at NCSU must first complete a basic

TESTING continued page 4

## Animal research is needed to advance science



**Heather Cutchin**  
Senior Staff Columnist

Recently, Students Protecting Animals Respectfully Compassionately had Ray Greek lecture on "The human harms of animal research."

According to Jared Milrad, president of SPARC, this lecture was done to present a fair view of the animal research world and how it harms humans. I was interested in how Dr. Greek was going to be fair about animal research and thus visited Dr. Greek's Web site.

There, I was horrified by the absolute distortion of truth and omission of crucial facts regarding the

CUTCHIN continued page 5

## TECHNICIAN'S VIEW

## CONTINUE RESEARCH

**OUR OPINION:** ANIMAL RESEARCH BENEFITS STUDENTS AT N.C. STATE AND SHOULD CONTINUE. THERE ARE STILL MANY ADVANCES THAT CAN BE MADE FROM THE RESEARCH OF ANIMALS.

Animal research has been an active part of N.C. State's learning curriculum in the College of Agriculture and Life Sciences and the College of Veterinary Medicine for decades. This type of research has also led to the cures of many diseases that are found in humans and animals.

The question placed onto animal researchers' shoulders is whether or not the research is still needed.

Absolutely it is.

Researchers have made huge breakthroughs in biology, genetics and technology. However, technology has not solved every problem, discovered every disease

OUR OPINION continued page 4

## We have a dangerous faith in animal models



**Jared Milrad**  
Guest Columnist

Speaking at one of the largest pharmaceutical conferences in the world, Dr. Mark Levin, CEO of Millennium Pharmaceuticals, startled the compendium of drug testers before him with a single slide.

Of the 22 drugs that advanced to human trials from liver toxicity tests in rats, only two of 11 drugs found to be toxic in rats were also toxic in humans, and only eight of the 17 supposedly safe drugs were also safe in humans. These results, Levin concluded, make the animal model about as predictable as a "coin toss" - and this man

MILRAD continued page 4



## TESTING

continued from page 3

training module to become certified. The IACUC reviews new projects and looks at each researchers' qualifications and training experience before they approve the project.

IACUC policy on the use of animals clearly states that "animals should be used in teaching, research and extension programs only as required to demonstrate principles, to obtain new information and achieve results which will ultimately benefit society."

The policy continues to say that whenever possible, methods other than animal research should be used to "augment, complement or possibly replace animal use entirely" in order to reduce the number of animals needed for research purposes.

### PROS

While the IACUC exists to assure NCSU compliance with federal regulations on animal research, their mission alone states, "the use of animals is essential to the teaching, extension and research missions of N.C. State University." The mission statement later states that "continued use is crucial to future advancements."

Fish agreed with the IACUC mission, stating "research that involves animals remains a key tool in helping us understand the health and diseases of both humans and animals."

John Gilligan, vice chancellor for research and graduate studies, said that animal model testing is essential to developing foods, drugs and medical appliances.

"Many times there is no other way of testing food, drugs or medical appliances," Gilligan said. "Of course we are concerned about the animals themselves, whether that are a part of herds or aquaculture. Crop science, animal science, food science; they are all interrelated."

Gilligan said that the university follows all state and federal guidelines regarding animal use in research.

"We rely on the individual investigator. Most of them are experts on specific animals. We strictly follow federal and state guidelines concerning anesthetizing, testing or euthanizing animals. There is a committee that reviews the procedures for researchers and teachers," Gilligan said.



Mice used in experiments are housed in a research center on campus. The university must follow all laws regarding animal use in research.

The IACUC states that without research, students studying agriculture, biological sciences or veterinary medicine would not receive adequate instruction in their fields. According to Courtney Elder, Pre-Vet Club president, research is needed as one of the various paths for veterinary medicine students to follow after obtaining their degree.

"It is important for our members to obtain some sort of research experience since most vet schools, including the CVM, highly recommend it," Elder said.

As a zoology major, Elder said she has participated in several animal research projects.

"I want to help make animals healthy, but I also understand that sometimes animal research is needed to help make us healthier as well as our companion animals," Elder said.

Although some argue against animal research on the basis of cruelty to the animal subjects, both Fish and Elder stress other perspectives.

Elder stressed that she believed animals should be "taken care of humanely and housed in proper condition." Of her experiences researching at NCSU, Elder said "I have yet to see anything of the contrary."

"Animals may be harmed in research in the sense that typically they are euthanized at the conclusion of the study in order

to obtain tissues," Fish said. A small amount of studies actually involve animal pain or distress according to Fish; in these cases, he said the IACUC and university veterinarians assure that potential for pain or distress in the animals is minimized.

"It's important to realize that research scientists have no special interest in harming animals," Fish said. He added that it is also important to realize that unhealthy or distressed animals make poor animal models.

Fish noted that during research, animals must be given appropriate anesthesia or analgesia unless there is a specific reason for not giving pain relievers. Cases which do not utilize anesthesia or analgesia must be approved by the IACUC to assure "scientific justification" for the procedure, Fish said.

Sam Mozley, professor of zoology, said that NCSU goes to great lengths to ensure that animals are not unnecessarily harmed by experiments and "that those experiments have sufficient scientific value to justify surgery, euthanasia, injurious treatments, etc. on animals."

"The university has invested considerable funds in the Biological Resource Facility, whose sole mission is to provide a healthy environment for research animals," Mozley said.

Lassiter said that she felt certain things could only be tested and examined on living organisms.

"Many of us would not be alive today without the advances that have been obtained through animal research and testing," Lassiter said. "That's part of the reason why people are surviving heart transplants and open heart surgery and why the death rate of newborn infants is much lower than it was 100 years ago."

Mozley did not anticipate animal research to continue to grow in the future at NCSU.

"I would expect it to reach a plateau and then continues at that level for several decades," Mozley said. "New needs for animals will be offset by technical advances that will make some existing types of animal research unnecessary."

### CONS

Dr. Ray Greek, an animal rights activist, recently spoke to NCSU's Students Protecting Animals Responsibly and Compassionately organization.

Greek advocates against the use of animals for research because of the lack of significance he sees such research having for human medicine.

"Today it is misleading and dangerous to model human disease and test drugs in animals," Greek said.

"Testing drugs on animals does not offer even a 50 percent likelihood of predicting the affects of the drug in humans."

Greek said that past medical advances were made using

animals, but today, medicine is studying human disease at an extremely different level than the past.

"The animal has largely outlived its usefulness and today results in far more harm than good," Greek said.

Nell Kriesberg, adjunct lecturer in Science, Technology and Society program agreed with Greek that although at one time animal research was historically necessary, now society has an "extraordinary genetic knowledge as well as a deep understanding of biology — there is not that same need."

Greek referenced countless alternatives which may be utilized in place of animal research: epidemiology studies, in vitro research, autopsies, personalized medicine, continued research of genes and genetics, stem cell research, artificial neural networks and post-marketing drug surveillance.

He stressed the utilization of personalized medicine, a concept that each person is genetically unique and therefore will react to medicines differently. Personalized medicine suggests that medicines should be designed for individuals, rather than for the population as a whole. "Personalized medicine allows us to treat you like an individual, not a statistic," Greek said, "this increases the likelihood of success."

Gene and DNA chips exist that allow researchers to expose DNA

to a new drug, previewing the result that specific drug would produce in an individual, said Greek. He predicts this method of medicine will be practiced in the future.

Arguing that "animal testing creates a false sense of security," Greek also pointed out that substances that could save many human lives are not approved because of their affects on animals. Additionally, substances that produce positive affects in animals may harm humans.

Approximately 100,000 deaths occur per year from legal drugs and approximately 15 percent of all hospital admissions are caused by adverse medication reactions, according to Greek. "All of these drugs had undergone extensive animal testing," he said.

"The animal testing protocol works against human safety. It also diverts valuable research dollars away from solid human-based testing methodologies," Greek added.

Gilligan disagrees with the idea that animal testing is not necessary anymore.

"Can you trust a vaccine that was tested on a computer before you test it on a human? I don't think so," Gilligan said. "You'd be putting human health at risk."

Gilligan also said that there is no alternative for students in laboratory sections that require animal dissection.

"There is nothing that can replace the real life experience working with the real thing," Gilligan said.

Many individuals against animal research also bring up the issue of its morality and ethical value. Kriesberg, who has researched much into the topic of ethics and the use of animals in research, said the real question is "how we see ourselves in relationship to the other species on our planet."

Another ethical issue Kriesberg pointed out was "how do we balance our obligations to our own species with our obligations to other species?"

Since it was first utilized, Kriesberg said animal research has not increased or decreased in significance.

"Society is still divided along a spectrum on this issue," Kriesberg said. "It is really a cover for disagreements over world-views... people feel very strongly that their personal worldview is the right one and feel extremely threatened when that is questioned."

## MILRAD

continued from page 3

is no animal rightist.

The most ardent supporters of animal research — i.e. any drugs, chemicals or genetic modifications tested in non-humans that seek to model human disease — propose claims highly more predictable than the methodologies they defend.

Vivisectionists hail the crucial scientific milestones that, in their view, depended on the animal model, such as the development of penicillin, the polio vaccine or a basic understanding of gross human anatomy and physiology.

Sure enough, the penicillin and polio vaccine discoveries may have depended on animal models, though even penicillin inventor Alexander Fleming argued that animal models delayed "the whole field of antibiotics" and vaccine developer Albert Sabin criticized misleading monkey models.

When early scientists compared the gross structure and function of the dog heart to the human heart, animal research worked.

Decades later, however, when today's scientists consider knowledge about genes, gene regulation, complex biochemical pathways and current technologies, animal research doesn't work.

In fact, it harms and sometimes kills the very species it seeks to protect.

We now know that humans have about 30,000 genes, of which 99.4 percent of our "working DNA" is

shared with chimpanzees and 97.5 percent with mice.

Many species share thousands of genes, in fact, but the ways in which these genes are regulated (or turned "on" or "off") differs extensively from species to species, individual to individual.

Gene regulation and sequence are the main reasons why most, but not all, humans develop lung cancer from prolonged smoking and why mice have tails but humans don't.

Further, since genes interact in a complex system unique to each individual, one cannot simply "knock out" or add a gene to a mouse and then consistently predict the function of that same gene in humans.

As one might expect, these slight differences have failed the animal model.

The National Cancer Institute, for example, found that successful anti-cancer drugs were useless in mice growing human tumors.

The Food and Drug Administration, which mandates animal testing for all new drugs, recalled or relabeled most new medications under study because of adverse, unexpected side effects.

Today, 20 compounds harmless in humans are carcinogenic in mice.

Cerestat, recalled because it killed potential stroke patients, joins hormone replacement therapy, Thalidomide, fen-Phen, Rezulin and other treatments as the collective human harms of animal research.

Not only do animal models kill,

they siphon time, money and scientific knowledge away from the human patients who need it most.

According to The Washington Post, the pharmaceutical industry spends nearly \$75 million each year lobbying in Washington and the industry has strong connections to the FDA, medical journals and academic institutions.

These vested interests steal the spotlight from successful and widely used non-animal technologies.

Epidemiology (the study of human populations), in-vitro research, gene assays, mathematical models and improved clinical research all summarize the past, present, and future of biomedical research.

The potential of pharmacogenomics (or personalized medicine) and the success of the Human Genome Project, for example, emphasize the benefits of these modalities.

There are no alternatives, much less refinements, to a scientifically inept model. We have a clear choice: not whether to save a child or dog, but whether to use our resources wisely or merely expend them on tradition.

Terminally-ill patients deserve a better future, but only sound science, not mice, can take them there.

Jared Milrad is the president of Student Protecting Animals Responsibly and Compassionately. E-mail him at [viewpoint@technicianonline.com](mailto:viewpoint@technicianonline.com).

## OUR OPINION

continued from page 3

nor found cures and breakthroughs that may lie inside bodies.

Every disease known to animals and humans has not been found yet and until each one is, animal research should be allowed to continue — it has kept humans safe so far.

People that are allowed to work with animals learn when working in a hands-on environment. Harm is not always delivered to an animal and often times work is being done to heal the pain of an animal.

The animal and medical industry has too many variables that cannot be simulated any other way. Allowing students to actively participate will produce successful and knowledgeable professionals.

There is also a difference between animal research and animal testing. NCSU practices animal research, while companies that test their products on animals use them for personal gain.

Research is not harmful and is carefully and meticulously monitored. Each research practice must go through approval at the university, state and federal level. Not only that, the Institutional Animal Care and Use Committee keeps research areas safe and clean to prevent any wrongful harm done unto animals.

NCSU has a duty, as a land-grant institution, to provide advances in science and technology. By this very mission, animals must be used in research programs that benefit humanity.

A reason does not exist for research not to continue.



# TECHNICIAN

THE STUDENT NEWSPAPER OF NORTH CAROLINA STATE UNIVERSITY

News Editor  
**T.S. Amarasiriwardena**  
[news@technicianonline.com](mailto:news@technicianonline.com)

Viewpoint Editor  
**Jason Eder**  
[viewpoint@technicianonline.com](mailto:viewpoint@technicianonline.com)

Sports Editor  
**Austin Johnson**  
[sports@technicianonline.com](mailto:sports@technicianonline.com)

Arts and Entertainment Editor  
**Jake Seaton**  
[diversions@technicianonline.com](mailto:diversions@technicianonline.com)

Features Editor  
**Ashley Hink**  
[diversions@technicianonline.com](mailto:diversions@technicianonline.com)

Photography Editor  
**Taylor Tlempton**  
[photo@technicianonline.com](mailto:photo@technicianonline.com)

Graphics Editor  
**Patrick Clarke**  
[graphics@technicianonline.com](mailto:graphics@technicianonline.com)

Advertising Manager  
**Claire Saunders**  
[advertising@technicianonline.com](mailto:advertising@technicianonline.com)

Classifieds Manager  
**Zach Patterson**  
[classifieds@technicianonline.com](mailto:classifieds@technicianonline.com)

Editor in Chief  
**Matt Middleton**  
[editor@technicianonline.com](mailto:editor@technicianonline.com)

Managing Editor  
**Ben McNeely**  
[ben@technicianonline.com](mailto:ben@technicianonline.com)

Deputy News Editor  
**Tyler Dukes**  
[news@technicianonline.com](mailto:news@technicianonline.com)

Deputy News Editor  
**Erin Welch**  
[news@technicianonline.com](mailto:news@technicianonline.com)

Deputy Sports Editor  
**Ryan Reynolds**  
[sports@technicianonline.com](mailto:sports@technicianonline.com)

Deputy Photo Editor  
**Ray Black III**  
[photo@technicianonline.com](mailto:photo@technicianonline.com)

Deputy Graphics Editor  
**Jessica Gluck**  
[graphics@technicianonline.com](mailto:graphics@technicianonline.com)

323 Witherspoon Student Center Box 8608  
NCSU Campus Raleigh, NC 27695-8608

Editorial 515.2411

Advertising 515.2029

Fax 515.5133

Online [technicianonline.com](http://technicianonline.com)

Technician (USPS 455-050) is the official student-run newspaper of N.C. State University and is published every Monday through Friday throughout the academic year from August through May except during holidays and examination periods. Opinions expressed in the columns, cartoons, photo illustrations and letters that appear on Technician's pages are the views of the individual writers and cartoonists. Copyright 2004 by the North Carolina State Student Media. All rights reserved. To receive permission for reproduction, please write the editor in chief. Subscription cost is \$100 per year. Printed by The News & Observer, Raleigh, N.C.



## Beam me up!

**Has Been**  
William Shatner  
Shout! Factory  
★★★★☆

**Hisham Salama**  
Staff Writer

This album came of great interest, as I knew Ben Folds produced William Shatner's "Has Been." I was very skeptical, however, as I started to listen to the disc, only prepared to hear mysterious space noises and cheesy electronic gun sounds the "Star Trek" movies once boasted.

How little I knew. From the first song to the last, Shatner took my understanding of good music and brought it to another level, far, far away. Not many noted albums have been spoken word, but Shatner found a way to break the ice.

Shatner takes most beautifully composed pieces of music, which were arranged by Ben Folds and adds his own unique blend of spoken word. Shatner speaks mostly of his own philosophy of love that appears very strange upon a first listening. The opening

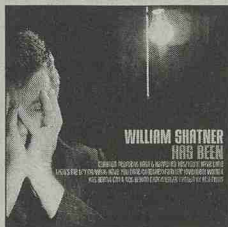
lyrics to "That's Me Trying" are "I got your address from the phone book in the library/ Wandered in and looked you up/ And you were there." Listening a little further proves Shatner is no stalker, but a lyrical genius.

The stand out track is the last on the album: "Real," which features country star Brad Paisley. Shatner explains in this song, that he is real, and not a superhero, as portrayed in movies. And even though he would like

to help the world with its problems, he is merely an entertainer. Paisley's voice matches this song magnificently, with his country roots and the song written in a country perspective.

Guest appearances on this album are star studded, featuring: Ben Folds, Joe Jackson, Aimee Mann, Lemon Jelly, Henry Rollins and Brad Paisley. All of the musicians add their standout voices in the choruses and Rollins even joins Shatner for a masterpiece spoken word duet.

I urge you all to get aboard Shatner's new Enterprise and journey to a new destination in musical history; you won't be disappointed.



## Waits' real-life grit

**Real Gone**  
Tom Waits  
Anti-  
★★★★☆

**Grayson Currin**  
Senior Staff Writer

Imagine the odds: in the same year, two of music's most imaginative artists with two of music's most compelling voices turn their backs on the instrumental insights that have been somewhat responsible for laying the bed on which their success has bloomed.

Bjork was the first to meet a release date with her "Medulla," an outlandish, subtle enigma built on her own siren sounds, the multi-tracked efforts of beatboxers Rahzel and Dokaka and the icy ambience of a massive Icelandic choir.

That Tom Waits—the legendary piano player turned heartfelt junkyard jive eccentric—followed suit some two months later with his own 80-minute epic that owes as much to his own mishmash vocal matrix as his all-star backing line up doesn't say anything about transatlantic inspiration or progressive wagon-hopping.

It does speak volumes, however, about a current musical environment in which technology continues to open doors for artists who have always had the aesthetic vision, if not the actual viaduct. And it proves the redundant: these artists are controlling the technology, applying it to their music without allowing it to consume the qualities that make it theirs in the first place.

That is, technology is controlling neither Bjork nor Tom Waits.

Waits turns the same technology as Bjork down the opposite avenue for "Real Gone," making his 20 full-length a

primal, swampy, stewey, Southern sweat littered with downtrodden characters that carry the smears and stains of real-life grit all over their faces and down inside their fables.

Waits is still interested in the down-and-out, the odd-and-ugly, as he sings about circus freaks like Horse Face Ethel and Yodeling Elaine in "Circus" and Knocky Parker and Bowlegged Sal in "Metropolitan Glide."

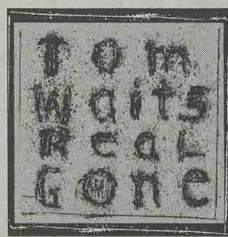
The sound follows suit coming here in feast-or-famine volleys of production and innovation.

During "Shake It," Waits spits "Night clerk, door closed/ Lie down baby/ Your love is a faucet" before emancipating an emasculated, confident, guttural "ahhh," something like an evangelist gone black, touring the Devil's stump circuit with a fifth to the face and a harem in tow.

It's not all mayhem, though. "Green Grass"—the album's quietest moment and perhaps Waits' best bleeding heart ballad ever—ties form to function, as he mournfully proclaims, "Lay you head where my heart used to be... Remember when you loved me."

One track later, Waits rips one of his most vindictive love songs straight from that hole where his heart used to be. The mad and delirious "Baby Gonna Leave Me" is a hailstorm of emotion and spit-in-the-mic vocals and percussion. Waits bitterly belting, "Somebody told me there's never been a rose without a thorn."

That chaos is the modus operandi for "Real Gone," which stands with "Swordfish Trombones" and "Rain Dogs" as one of Waits' noisiest and most experimental records. In fact, these songs borrow as much from Hip-Hop as Rock 'N' Roll, requiring oddly few

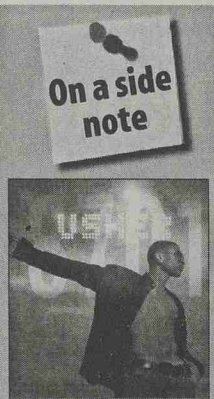


embellishments that don't have to deal with the rhythm and chug-chug-chug persistence of multi-layered anthems like the over-stepped "Top of the Hill" or the perfect "Hoist That Rag."

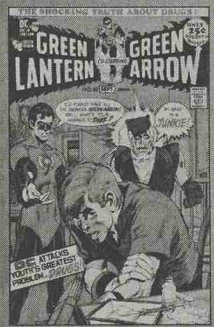
Waits is still the same master storyteller that hinted at free-style Rap with the capitalistic bashing of "Step Right Up," and he channels all of this sound—from his own layered hiccups, growls, coughs and exaggerated wheezes to the peek-and-hide guitar brilliance of six-string, avant-garde shark Marc Ribot—into these narratives.

Waits slips into a different mode for the parting shot. After soul-singing through "Make It Rain" with the conviction and coercion of an aged Solomon Burke, he settles into the quiet acoustics of "Day After Tomorrow," the story of a 21-year-old soldier writing an overseas reply to his Illinois parents. "I'm not fighting for justice/ I am not fighting for freedom/ I am fighting for my life and another day in the world here," Waits sings through the eyes of the boy on his birthday.

It's the kind of empathetic magic that Waits managed two decades ago with "On the Nickel," and it's good to know that a wealthy, 54-year-old genius can somehow relate to the uneasiness of those 30 years his younger.



**THE SHIRTLESS ONE**  
After re-releasing his hit new album "Confessions," Usher will jump 23 spots to No. 1 on the Billboard albums chart. The singer re-released "Confessions" with four bonus tracks. Usher sold more than 335,000 copies of Confessions, according to SoundScan, pushing the album past the six million mark.



### STD'S IN COMIC BOOK LAND

Batman is to Robin as Green Arrow is to Speedy. Well, Speedy (a.k.a. Mia), discovers she is HIV positive in the DC Comics series "Green Arrow." Mia, a teenage prostitute and intravenous drug user, was introduced three years ago when film director and comic-book fan Kevin Smith ("Jay and Silent Bob Strike Back," "Clerks") brought the Green Arrow character literally back from the dead. Image comic book's character ShadowHawk was the first superhero to have AIDS when he was injected with a syringe that contained the virus in 1992.

### JUST DROP IT

Michael Jackson is asking video channels to stop playing Eminem's "Just Lose It," and BET has since pulled the clip out of rotation. The video portrays Eminem dressed as the gloved one with his hair on fire, his nose falling off and on a bed with children. In the song itself, Eminem raps: "Come here, little kiddies, on my lap/ Guess who's back with a brand new rap/ And I don't mean a rap as in a new case of child-molestation accusation/ ... I've done touched on everything but little boys/ That's not a stab at Michael/ That's just a metaphor/ I'm just psycho."

### CALENDAR FOR TONIGHT

**Stewart Theatre:**  
The Invisible Man @ 8 p.m.

**Campus cinema:**  
"Object of My Affection" @ 7 p.m.

**The Brewery:**  
Outlier @ 10 p.m.

**Lincoln Theatre:**  
Parnalee, Agents of the Sun and Copper @ 9 p.m.

**Cat's Cradle:**  
Gogol Bordello and Clang Quartet @ 9:30 p.m.

**Six String Cafe:**  
Commonbond @ 8 p.m.

**Pour House Music Hall:**  
Seepeoples @ 8 p.m.

**BTI Center:**  
Cats @ 8 p.m.

COMPILED BY JAKE SEATON

# SCREAM ON THE GREEN

## THE EXORCIST AND A NIGHTMARE ON ELM STREET

Two classic horror movies projected outside!

HOT CHOCOLATE, GOODIES  
+ FREEBIES, FREE MOVIE  
PASSES, POSTERS AND MORE

THURSDAY  
7:00PM-11:00PM

OCTOBER 28<sup>TH</sup> 2004

# FREE

HARRIS FIELD IN FRONT  
OF WITHERSPOON  
BRING A BLANKET

SPONSORED BY THE LEISURE &  
ENTERTAINMENT AND FILMS  
COMMITTEE OF THE UAB

UAB.NCSU.EDU

## CUTCHIN

continued from page 3

benefits of animal research and the advances to human and animal medicine.

Dr. Greek's site proposes that research done on animals has made no significant advances in the world of human medicine and has been a waste of billions of dollars.

It does not give credit to researchers that have put in great amounts of time, energy and money to provide vaccines, surgical procedures and knowledge of body systems and functions. It instead regards all of this information as worthless, highlights and expands the failures of animal testing, then ignores the successes.

Because of animal research, vaccines for the six most common childhood diseases — measles, diphtheria, whooping cough, tetanus, polio and tuberculosis, are available and save the lives of approximately

six children a minute — or more than three million a year.

Animals are used in conjunction with determining the safety and efficacy of antibiotics to treat infections. Bacterial infections such as pneumonia, typhoid and cholera once killed people. Now, antibiotics are tested first in test tubes, then in animals and finally in humans to determine if they are safe.

Without the steps leading to human testing, humans may be given a drug that would be completely detrimental to their lives.

With the help of animal experiments, radiation and chemotherapy now save thousands of lives a year.

Without the experiments, loved ones would not even have a chance of surviving. If it was a choice of your mom dying of cancer and several hundred chickens dying in an experiment to find a treatment for cancer, which would you choose?

What if it was a choice

between your little brother that has leukemia and mice? Without the medical advances that have been made in cancer treatment, your little brother might not be one of the six out of ten people that survives leukemia.

The vaccine for rabies was developed by Louis Pasteur and his colleagues.

It has saved thousands of human lives, yet Dr. Greek dismisses the research done to develop the vaccine as a gross failure because of one death in 350. (The death occurred because the girl bitten by a rabid dog was not treated for 37 days.)

The vaccine, as Pasteur developed it, was used for many years until it was replaced by a vaccine prepared in cell cultures.

There are other methods of research that can be used and are required by law to be used when applicable.

Dr. Kenneth Anderson, a poultry science professor and member of the Institutional Animal Care and Use Committee, states that all programs that are federally funded have to be reviewed by IACUC for many factors, including the number of animals being used in the experiment.

If too many animals are being used that are needless, IACUC does not allow the research to occur. Researchers are also required to research alternative methods to using the animals and justify why the alternatives are not being used.

Animals are needed in experiments to help find cures, treatments and other therapeutic ways to advance human medicine.

And that idea's still true today.

Heather can be reached at  
viewpt@technicianonline.com



### COMING SOON!

**Fox & Hound Pub & Grille**  
Raleigh

We are an up-scale, social gathering place with sports entertainment, full service food and beverage, state-of-the-art audio/visual systems. Currently hiring for "All Front-of-House & Back-of-House" positions.

We are looking for individuals who will thrive in a "Fast-Paced Environment".

Fox & Hound is full of opportunities and excitement.

We provide competitive wages and flexible work schedules.

Please apply in person to:

Fox & Hound Pub and Grille

4208 Sixforks Rd., Suite 310

Raleigh, NC 27609

9:00am - 6:00pm

Monday - Saturday



## RIVAL VIBE

## Fans coping with reality

Scott Clipp  
Guest Columnist

It's easy to stand up, pound your chest and say, "I'm from Maryland and nobody can beat me or my football team."

I mean, who wouldn't want to stand in Comcast Center parking lots and pound brews before the Terps take the field in a nationally televised game?

It's always easy to root for the winner. But what about when times get a little tough? When a major bowl appearance isn't in the near future? When your team turns in a performance like it did last Saturday against an ordinary Georgia Tech team?

Terrapin fans have been spoiled the past three seasons and they are going to have to bear through a couple of down

years every once in awhile.

It's unfair to think the Terps were going to compete with the heavyweights in the revamped ACC this season, but give it some time.

It's not going to be pretty the rest of the season, so let's be reasonable: 7-4 would be a great season; 6-5 is more realistic.

But the true test this year will fall on everyone involved with the program, including the players, coaches, fans and all those people hawking Under Armour. Do they have the resolve to deal with a down season, at least by Friedgen's standards? People seem to forget that 6-5 was a solid year in College Park just a few years ago.

How will the players handle taking a few on the chin? Apparently, they are having some trouble with that because sev-

eral blew off the media after Saturday's debacle. At least have the cajones to face the music after a performance like that.

How will the coaches, more specifically Friedgen, deal with a full-blown quarterback controversy? Friedgen knows how delicate this situation is. He doesn't want to throw away all the work he has put into Joel Statham, but he also wants to win games. He doesn't want to toss Jordan Steffy, a true freshman, into the fire.

My take: Neither Statham nor Steffy are going to make a tremendous difference this season. Statham doesn't seem to have the mental toughness for the position, but he has a better understanding of Friedgen's system at this point. Steffy will be the quarterback of the

future, but do you send him in now? That's why Friedgen has the million-dollar salary.

But most importantly, how will the fans, who've basked in the glory of a formidable program for the past three seasons, cope with an average year, void of a big-time bowl game? They were already booing Statham, which doesn't bode well for the rest of the season. N.C. State, at Clemson, No. 7 Florida State, at No. 6 Virginia, at Virginia Tech, Wake Forest? Ouch.

Hopefully, for the sake of the football program, fans aren't jonesing for the optimism of a new basketball season.

I guess we'll see what everyone is made of.

Scott Clipp is the sports editor of The Diamondback

## MARYLAND

continued from page 8

are in my way, there's no way I can move so I just have to bang them up. I tell them after every play I'm sorry, but they understand. I'm not one to make a lot of moves, so I just got to go in there and get five yards."

One of the bright spots on the year for the Terps has been its stellar special teams play. Senior

place kicker Nick Novak has been automatic on field goals under 40 yards this season and has recently become the ACC's all-time leading scorer.

Another Terrapin milestone was set Saturday by kick return specialist Steve Suter. After a punt return in the first quarter, Suter became the ACC's all-time leader in punt return yards.

Maryland's last two games against N.C. State have ended on a game-winning Novak kick

with under a minute remaining. All four wins have been by seven points or less and Maryland remains the only ACC foe State Coach Chuck Amato has not beaten.

Behind the legs of both Suter and Novak, Maryland will look to protect the home turf as it consistently has under Friedgen's tenure.

Before Saturday's loss, the Terps had a 13-game home winning streak, and were 21-

1 since Friedgen came to the school four years ago. The sole home loss came at the hands of Florida State, a team that Friedgen has yet to defeat. Friedgen sees Saturday's game as a turning point for the Terrapins.

"I think this is a very big game for our program, and for this season, there's no doubt," Friedgen said. "I think I have fighters as players, and I'll be extremely disappointed if we don't play well this week."

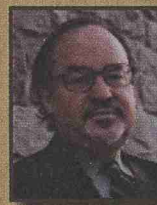


The John William  
**Pope Center**  
FOR HIGHER EDUCATION POLICY

## "FREEDOM AND THE AMERICAN CAMPUS"

JANE S. MCKIMMON CENTER  
SATURDAY, OCT. 16TH, 8-3PM

Free to students, lunch provided



Featuring:  
David Horowitz,  
DEVELOPER OF THE  
ACADEMIC BILL OF RIGHTS

To register, contact  
George Leef at 828-3876

A CONFERENCE SPONSORED BY  
THE POPE CENTER FOR HIGHER EDUCATION POLICY  
[www.popecenter.org](http://www.popecenter.org)

technicianonline.com  
THE EARLY EDITION

## Chiropractic... The Right Choice For Your Future

Is your dream to become a doctor, to study in beautiful surroundings, with a world-renowned faculty and state of the art facilities – what more could you want in a professional education? Logan College students receive all this and more! If you are ready to accept the challenge of graduate professional study in science, physiotherapy, nutrition, radiology, clinical sciences, chiropractic techniques and extensive clinical rotations, then Logan College is the place for you.

Logan College of Chiropractic gives you the skills to help patients get well through non-invasive healthcare while preparing you to earn a substantial income commensurate with your position as a Doctor of Chiropractic. Most DC's work in a private practice setting, providing time for family and other important quality of life priorities.

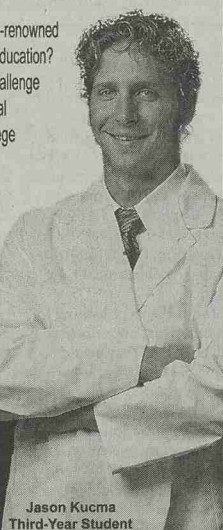
Contact Logan College at 1-800-533-9210 or at [loganadm@logan.edu](mailto:loganadm@logan.edu) to receive an information packet describing the world's fastest growing healthcare profession. You can also visit our website at [www.logan.edu](http://www.logan.edu).



**Logan**  
College of Chiropractic

1-800-533-9210  
[www.logan.edu](http://www.logan.edu)  
[loganadm@logan.edu](mailto:loganadm@logan.edu)

1851 Schoettler Rd., Chesterfield (St. Louis area), MO 63017



Jason Kucma  
Third-Year Student

### NC STATE UNIVERSITY



#### 2004 CTE DISTINGUISHED LECTURE

The Center for Transportation and the Environment at North Carolina State University proudly presents....

#### TRAVELING TOWARD HEALTH:

#### The Marriage of Transportation and Public Health

Featuring

Howard Frumkin, M.D., Ph.D.

Rollins School of Public Health, Emory University

FREE LECTURE - BOOK SIGNING - RECEPTION

OCTOBER 15, 2004  
3:00 - 5:00 p.m.

NCSU Stewart Theater  
Talley Student Center  
Raleigh, NC

Free Parking and Shuttle Service  
Available at the Varsity S Lot  
Located on Marcom Street,  
Adjacent to McKimmon Center  
(Follow the "EVENT" signs)



For More Information:  
(919) 515-8893 or [www.itre.ncsu.edu/cte](http://www.itre.ncsu.edu/cte)

## Kris earned a housing scholarship at Melrose. (So can you.)

2 Bedroom Starts At: \$490  
- \$25 dean's list  
- \$25 student leader  
- \$25 community service  
- \$20 working scholar  
\$395 Scholarship Price

New Staff. Great Rates. Stylish Renovations.  
Come see the difference!

### LAUNCH PAD FOR INTERESTING LIVES

2 to 4 bedrooms • academic and annual leases  
billiards • ping pong • volleyball • computer lab

THE NEW  
**Melrose**  
STUDENT SUITES

Visit Melrose Today!  
3333 Melrose Club  
(off Trailwood & Lineberry)  
[www.melrose.com](http://www.melrose.com) or call (919) 835-7835



## SOCCER

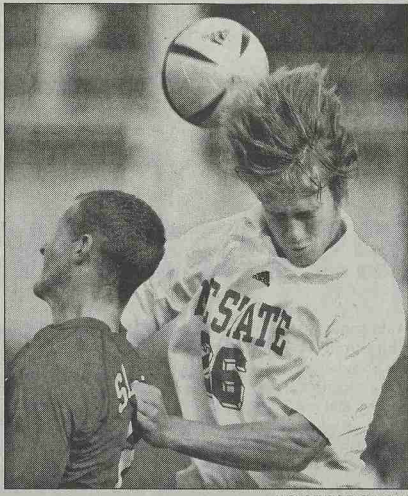
continued from page 8

aid from the trainer, who seems to be collecting injured playmakers. The injury list includes starting keeper Jorge Gonzales, co-captain Justin Branch and freshman sensation El Hadj Cisse among others.

"I went down last year, and we still made it to the tournament," Salter, who tore a hamstring last year, said. "I think that everyone on the bench is playing just as good as anyone else on the field. When everyone off the bench is good enough to take your spot, it makes you work even harder."

To secure a spot in the NCAA tournament for the second consecutive year, the Pack must go with their even record and start winning games, namely some of the remaining ACC matches against Carolina and Virginia Tech. But before those games can be played, a matchup with league-leading No. 6 Duke looms this Sunday.

"How do we get back on track?" Tarantini said. "This team has a lot of desire, and we'll see what happens against Duke. But every ACC game is a must-win now. We need a win on Sunday."



Sophomore midfielder Haddon Kirk rises over a defender to connect on a header against SUNY-Stony Brook at SAS Soccer Park on Wednesday afternoon. The Wolfpack won the match by a 4-0 score, breaking a three-game losing streak.

## AUSTIN

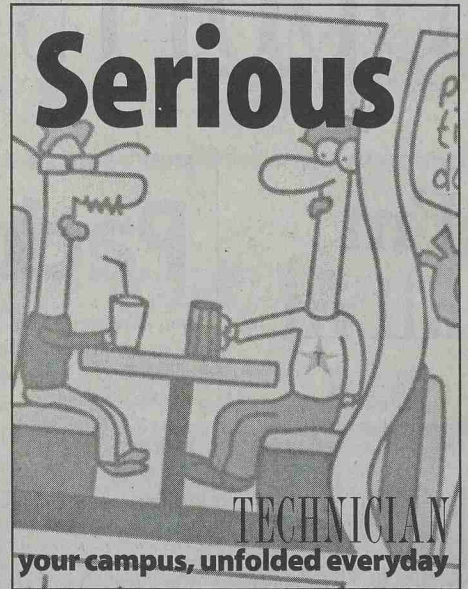
continued from page 8

another tournament. This time, things turned around for me. Time flew by as I slowly built up the stack of chips in front of me and people dropped out one by one. Before I knew it, the field of 170 people had shrunk to just a few tables, and then, to just a single table (I ended up making enough to cover the earlier loss).

Maybe I'm good; maybe I just hit some dumb luck for one night. After all, I'm just part of a line of people jumping on the bandwagon, right?

Like most things, the poker fad will wear out and everyone will move on to something else. Who knows, it might even be NHL hockey.

Austin can be reached at 515-2411 or austin@technicianonline.com



# To place a classified ad, call 919.515.2029 or fax 919.515.5133

## Technician Classifieds

## Policy Statement

While Technician is not to be held responsible for damages or loss due to fraudulent advertisements, we make every effort to prevent false or misleading advertising from appearing in our publication. If you find an ad questionable, please let us know. We wish to protect our readers from any inconvenience. Once run, an ad can be pulled without refund. Please check the ad the first day it runs. If there is an error, we will gladly adjust it. We will not be held responsible for that. In compliance with state law, we do not run ads promoting envelope stuffing.

## Line Ad Rates

All prices for up to 25 words. Add \$20 per day for each word over 25. Bold words \$20 each per day. Found ads run free.

## Student

1 day	\$5.00	2 days	\$7.00
3 days	\$10.00	4 days	\$13.00
5 days	\$3.00/day		

## Non-student

1 day	\$8.00	2 days	\$14.00
3 days	\$18.00	4 days	\$22.00
5 days	\$5.00/day		

## Contact

Technician business hours are 9 a.m. to 5 p.m., Monday-Friday. Call during these times to place an ad with your Visa, Mastercard, or Discover.

## Deadlines

Line ads: 1 issue in advance at noon  
Display ads: 2 issues in advance at noon  
All line ads must be prepaid - no exceptions.



## AROUND CAMPUS

Gift Baskets - want to send a great gift and help NCSU? Go to BVBASKETS.com; 919-469-2506. 10% of net purchase can help NCSU.

## FOR SALE

50" Big screen TV, excellent condition. Seller upgrading to HDTV and must sell. \$500. Buyer must come get. 866-1435 after 5PM.

## TICKET

Speeding ticket? Click your ticket goodbye @ www.ncspeeder.com.

## HOMES FOR RENT

NEAR NCSU. Stunning 2BD/2BA, 2200 sq.ft. Executive House on Ridge Rd. Features large den, spacious bedrooms, office, whirlpool tub, built in aquarium, and many extras. Day 833-7142, Evening 783-9410. Please visit our website at www.jansenproperties.com.

## APARTMENTS FOR RENT

2BD/1BA. Near NC State. \$525/mo. RPM at 779-3177 or 337-3225.

1BD/1BA. Near NC State. \$450/mo. RPM at 779-3177 or 337-3225.

2BD/1.5BA near Centennial Campus. Starting at \$525. New and remodeled available. No pets. Call 828-4884.

820 Pamlico Dr. Roomy 5BR, 2.5BA, large family room, eat in kitchen, pool. \$1295. 532-1142 Preiss Co.

2001 Deep Forest. 2BA home near NCSU campus. Includes W/D. Pets allowed. \$995. Preiss Co. 532-1142.

3BD/2.5BA near N.C. State. First month's rent free or \$750. RPM at 779-3177 or 337-3225.

Apts for rent. 2bed/2bath \$600. 4bed/2bath, 1,800 sq. feet \$995. 3bed/3bath, new in 98 \$1,215. One block from campus. Nelson Bunn 424-8130

6212 Farmgate Rd. BR, 2BA condo w/ new carpet. Huge deck. Ask about free rent. \$625. Preiss Co. 532-1142.

## ROOMMATES WANTED

Female roommate needed. Private room and bathroom. Non-smoker. Quiet area, close to NCSU. \$375/mo. includes all utilities except phone. 859-0692

Female non-smoking roommate needed ASAP for 3BD/2.5BA townhome in quiet wooded location. 5 minutes from campus. \$236/mo+1/3util. Call Jen at 616-1119

## APARTMENTS FOR RENT

M/F to share quiet 1200 sq. ft. townhome off Avent Ferry Rd. Own bed/bath. \$410 includes all. Email: silverscore96@aol.com or call (919)829-0510, Jason.

## ROOM FOR RENT

Private room & bath, shared kitchen in home near N.C. State campus. \$300/mo+shared util. Call Brittany 412-7801.

## CONDOS FOR RENT

Lake Park Condominiums: 48d, 48bth, W/D, Kitchen, LR - Amenities Volleyball, swimming pool, basketball. Rent \$900.00 - per bd \$250.00. Call 876-1443.

First month free. West Raleigh, 2BD/2BA upstairs unit of quad. W/D, fireplace. \$575. 1501 Mary Francis Pl. 870-6871. www.moore-rentals.com

## PARKING FOR RENT

GUARANTEED SPACES. COMMUTERS & FRESHMEN can have parking. We lease spaces. Near campus. Save gas, tickets, towing. \$325/semester or \$600 for the year. Call 919-821-7444 or register online at www.valpark.com

## TOWNHOMES FOR RENT

2BR/2BA Townhouse, microwave, dishwasher, washer/dryer included. Small pets OK. Huge private deck. New siding and windows. Quiet neighborhood. \$750 negotiable. 931-5340 Leave message.

## CONDOS FOR SALE

1904 Smallwood Drive, Cameron Village Condo. 900 sq.ft. 2BD/1BA. 129,900. Call Barbara at 524-2916.

## CARS

97 Ford Explorer Sport black, 2D, V6, auto, sun and moonroof, 4wd, power everything, 112k miles, \$7,000 obo. Call 618-292-4938

## CHILD CARE

Babysitter/assistant needed for 6 month old. 20 hours/week. Flexible hours. Located 15 minutes from campus. Call Tracy 604-4014.

Needed Tuesday-Friday, responsible person with car to watch 3 boys ages 11, 8, & 5 in my home from 4pm-5pm. \$7.50/hr. Cary neighborhood. Look forward to your call. 303-9260.

## HELP WANTED

BARTENDERS NEEDED!!! Earn \$15-30/hr. Job placement assistance is top priority. Raleigh's

## APARTMENTS FOR RENT

Bartending School. HAVE FUN! MAKE MONEY! MEET PEOPLE! Call Now About Fall Tuition Special. 919-676-0774. www.cocktailmixer.com.

Hip-hop DJ wanted for house party, Saturday Oct. 16th. Amateurs accepted. Call 696-8526.

CAFE CAROLINA AND BAKERY. Need energetic people with excellent guest service, cash handling experience, and proven reliability. M-F, FT or PT, contact Hilary at 832-8820

GRAPHIC DESIGN Spring 105 paid internship (25 hrs/wk) with Cameron Village based Web Design firm. Must possess solid design, web, and communication skills. Graphic Design degree by August 2006 required. Visit www.ewebsusa.com/jobs to apply.

Need CASH? Growing holiday shipping business to work MOTIVATED person for promotions. Commission. We provide OPPORTUNITY and support. Contact: sales@westendwreaths.com

BELLSTAND The Hilton North Raleigh has an opening for an out-going, enthusiastic team member to provide our guests with exceptional customer service. Must be flexible and willing to work AM and PM shifts, as business needs require. Apply in person Mon-Fri 9-4, 3415 Wake Forest Rd., or fax resume to 850-0742. Drug free workplace.

CONCIERGE The Hilton North Raleigh has an opening for a Concierge to work MOTIVATED person Mon-Fri 9-4, 3415 Wake Forest Rd., or fax resume to: 850-0742.

Teaching assistant needed. Assist students and instructors at the Sylvan Learning Center in Garner. Part-time Monday and Wednesday. Call Jennifer/Kathryn at 779-2229.

Get paid for your opinions! Earn \$15-125 and more per survey! www.moneyforsurveys.com

Wing Zone is now hiring Drivers Earn 8.00-10.00/hour. Reimbursement on gas paid daily. If you have a valid drivers license and clean driving record, call to set up an interview at 919-235-2840 or stop by between 2&4 Monday-Thursday.

Part-time help for horse farm. Feed, clean stalls, general work. Lake Wheeler area. 919-772-6484.

Bartending! \$300/day potential. No experience necessary. Training provided. 800-965-6520 ext 140

Make money taking online surveys. Earn \$10-\$125 for

surveys. Earn \$25-\$250 for focus groups. Visit www.cash4students.com/ncsu.

Make money at home taking surveys? Is this possible? Find out the truth at www.TruthAboutSurveys.com

Looking for Meet and Greet People in Packing and Shipping Business. Retail experience helpful. P/T help needed. Contact 919-872-2448.

Now Hiring Part- and full-time positions available, nights and weekends. Waitstaff or hostesses. Great pay and great benefits including golf and more. MacGregor Downs Country Club, 467-0146, ask for Cameron.

Immediate openings for habilitation technicians to work with individuals with mental retardation/developmental disabilities. Applicants must be available late afternoons and/or weekends and have reliable transportation. Experience preferred. Please call Maxim Self Care Services, MR/D Office at 676-7990 between 9am and 12 noon

Four Doctors. Small Animal Practice in Cary is looking for several part-time positions for afternoons and weekends. Technicians, Receptionist and Animal Caretakers please apply. Experience required for technicians. We have fun, fast-paced working environment. Please call Thomas at 919-469-8086 or email mgmt@kildaire.com

Help wanted at Toy Store! Fun working environment. Must like working with moms & kids. 5 miles from campus. Apply in person. Learning Express. Cary 859-1989.

SECRET SHOPPERS Needed for evaluations of Local Stores, Restaurants, and Theaters. Flexible Hours. E-mail Required. Call 1-800-585-9024 ext 6266.

Adult Ballet Classes Raleigh School of Ballet. Beginner thru Advanced Classes. For information please call: 834-9261 or visit website www.raleighbailet.citysearch.com

Ruby Tuesday Crossroads Blvd. Now Hiring smiling energetic servers and hosts who have winning attitudes and sharp appearance. FT or PT, apply in person. 919-854-9990

Part time work. Flex. sched's. scholarships possible. Sales/service, conditions apply, all ages 18+, call 788-9020

Bob Evans' Restaurants now accepting applications. All positions, flexible schedules. Night/day shift. Part-time benefits. Apply at Raleigh, Brier Creek Parkway, Brier Creek Shopping Center or Cary, Walnut St. Crossroads Shopping Center.

Local Delivery Driver Needed. Part-time 7am-11am, Monday-Saturday. Knowledge

of Triangle area a plus! Excellent driving record REQUIRED! Good communication skills. \$9/hr. Call 919.664.8181

Part Time Warehouse help wanted. 4PM-close. \$12/hr. Mon-Fri. Fax Resume 231-1775

Permanent PT landscape helper needed. Flexible hours, 15-20 hours/week. Farm background and/or previous experience with landscape company required. Starting salary \$7/hr. 779-2596

Get paid to play! Central YMCA is currently hiring for several positions. Applications accepted at 1601 Hillsborough St. Call 832-52YCA for more information.

Housekeeper 5-6 hrs/wk. \$10/hr. Must be mature and reliable. Call 622-2323.

Are you the ultimate college student? Sports Illustrated wants you to join our SI Scouts Panel to speak on campus trends, college sports, & student traditions. Win fabulous prizes! Go to siscouts.com & apply now!

Gymnastics Instructors needed. Afternoon hours, 5 mins from NC State. Call 851-1188 if interested

Chinese Tutor Wanted \$12.50/hr, 2 hours per week. Experienced Teacher preferred. Help Needed with all language skills. Must know Pinyin. 749-2817.

## TUTOR NEEDED

Spring Break

Spring Break 2005. Travel with STS, America's #1 Student Tour Operator. Jamaica, Cancun, Acapulco, Bahamas, Florida. Hiring campus reps. Call for details: 828-4849 or www.ststravel.com

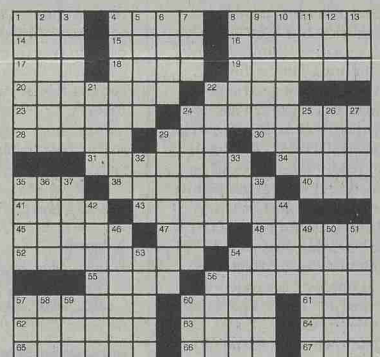
Spring Break...find a better price! Lowest price specialists! Free Meals! November 6th deadline! Hiring reps-earn free trips and cash! www.sunspashtours.com 1-800-426-7710

#1 Spring-Break Website! Lowest Prices Guaranteed. Free Meals & Free Drinks. Book 11 people, get 12th free! Group discounts for 6+. www.springbreakdiscounts.com or 800-838-8202

BAHAMAS SPRING BREAK CELEBRITY CRUISE! 5 Days from \$279! Includes Meals, Port Taxes, Exclusive Beach Parties With 20+ Of Your Favorite TV Celebrities As Seen On Real World.

## Crossword

ACROSS  
1 Sun. talk  
4 Evans or Earnhardt  
8 Act against  
14 Draft choice  
15 Eliot's Bede  
23 Worldwide  
17 Track circuit  
18 Operates  
19 Without difficulty  
20 Flash  
22 Faction  
23 Classify  
24 Have a likeness to  
28 Heated dispute  
29 Auction or racket ending  
30 Had the courage to try  
31 Cupped  
34 Necessity  
35 Fancy knot  
38 In a sulky manner  
40 Thirsty  
41 vera  
43 Like some sweaters  
45 Infamous  
47 Mine's yield  
48 Directed, as a weapon  
52 Period of listlessness  
54 Emotional shock  
55 Comic Tomlin  
56 Strengthen  
57 Seize  
60 Cab  
61 Coffee vessel  
62 Yellowstone  
63 Gray or Moran  
64 Ripen  
65 Black Sea port  
66 Sharp taste  
67 Guided



© 2003 Tribune Media Services, Inc. All rights reserved.



Listen to it  
88.1 FM WKNC

DOWN  
1 Hot sauce and Caribbean music  
2 Slip by, as time  
3 Meal  
4 Developer's area

5 Grown-up  
6 Kent's girlfriend  
7 Printer's measures  
8 Curved moldings  
9 Set  
10 Letter carrier  
11 Japanese sash  
12 Mine of film  
13 Tarzan Ron  
21 Univ. mil. grp.  
22 Post Robert W.  
24 Library patrons  
25 Raised  
26 Lascivious look  
27 Small whirlpool  
29 Thrift  
32 Veteran's Day  
33 BPOE word  
35 Hairless  
36 Toast topper  
37 Knitting yarn  
39 Young horse  
42 Perpetual  
44 Days in Spanish newspapers  
46 Appears

49 Fund or insurance  
50 Come forth  
51 Mended socks  
53 Extreme color  
54 Poison formed by microorganisms  
56 Old-time actress Theda  
57 Gone by  
58 Primary color  
59 Deli choice  
60 Hanoi holiday

## SPRING BREAK

Road Rules: Bachelor! Great Beaches, Nightlife! Ethics Award Winning Company! www.SpringBreakTravel.com 1-800-678-6386

MAKE YOUR OWN HOURS All you do is sell the Hawaiian Tropic Break 2005 Travel Program. Represent an American Express "Student Travel" Company. Guaranteed Highest Commission, Free Trips & Great for Resume. Your pay equals your efforts. AMERICAN STUDENT Vacations 1-800-336-2260 www.americanstudentinfo

#1 Spring-Break Vacations! 150% Best Prices! Cancun, Jamaica, Acapulco, Bahamas, Costa Rica. Book Now & Receive Free Meals & Parties. Reps Travel Free 1-800-234-7007endlesssummertours.com

SPRING BREAK! CANCUN, ACAPULCO, JAMAICA From \$459+Tax! FLORIDA \$159! Our Cancun Prices Are

## SPRING BREAK

\$100 Less Than Others! Book Now! Includes Breakfasts, Dinners, 30-50+ Hours Free Drinks! Ethics Award Winning Company! View 500 Hotel Reviews & Videos At www.SpringBreakTravel.com 1-800-678-6386

## EXPERIENCE SKYDIVING TODAY

Carolina Sky Sports  
1-800-SKYDIVE  
www.CarolinaSkySports.com

RALEIGH'S BARTENDING SCHOOL HAVE FUN! MAKE MONEY! MEET PEOPLE! EARN \$15 - \$30/HR. JOB PLACEMENT ASSISTANCE \*Bring this ad to receive \$25.00 off of tuition. CALL NOW! (919) 676-0774 www.cocktailmixer.com

Solutions  
8 9 10 11 12 13  
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67

Spring Break 2005  
Campus Reps Wanted  
Sell Trips - Earn Cash - No Fees!  
Jamaica, Acapulco, Florida, Costa Rica, Bahamas  
Live the Life...  
Call for Info  
1-800-733-6347  
www.SpringBreakVacations.com



**Schedule**  
 Volleyball at Miami, 10/15, 7  
 Football at Maryland, 10/16, 3:30  
 W. Soccer vs. Florida State, 10/17, 2  
 Cross Country at NCAA Pre-Nationals, 10/16  
 Swimming at Virginia Tech, 10/16  
 Rifle at SEARCH 1 (Ga.), 10/16

**Scores**  
 M. Soccer 4 vs. SUNY-Stony Brook 0



## TECHNICIAN

### COMMENTARY

## I'm all in

Poker is in. Turn on ESPN and you'll hear advertisements for telecasts covering poker tournaments.



**Austin Johnson**  
 Sports Editor

The Travel Channel and Fox Sports Net also have entire shows dedicated to the game/sport/addiction. The sport has caught on enough that campus organizations have taken to poker tournaments as fundraisers, having everyone throw in some money to play and rewarding prizes to the winners.

There is something about the money, the aura and the characters that has turned poker into a nationwide sensation. Poker is more popular than the NHL — if that's really even a compliment.

I'll be the first to admit to jumping on the poker bandwagon. It doesn't take much to get hooked — winning a little money playing with your buddies on a Tuesday night, watching "Rounders" one too many times. Pretty soon you think you're ready to be the next Phil Ivey, and you even have the retro jersey collection ready.

See, poker isn't gambling in the purist sense. You aren't rolling a dice, spinning a wheel or pulling a slot machine. It takes skill to be good at poker, and luck gets thrown into the mix just to make it interesting.

This fall break, I decided I was ready to test my skills for real, see if I was any good or if the competition at State was just that bad. So I gassed up the '94 Camry and set off with a few buddies to Atlantic City, or as one local accurately described it — "the cess pool that is Atlantic City."

The town on an island in New Jersey is possibly the most bizarre place I have ever been. It's comprised of towering, glittering casinos inviting patrons in to come blow their hard-earned money.

But around these casinos are a myriad of dirty, run-down buildings and streets that explain where Jersey got its reputation. The hotel where I stayed had two burnt-out buildings on its street — and at least one of those buildings was occupied. Five minutes away was the Trump Taj Mahal Hotel and Casino.

Now, at this point I wish I could tell you that I blew all my money and learned a valuable lesson about the dangers of gambling. But I can't.

Before we left, I decided I would stick to poker, and specifically, poker tournaments. The first tournament I entered couldn't have gone any worse. I was out in about an hour and may have been the first person eliminated.

I refrained from pulling my best Phil Hellmuth impersonation and slunk away from the table. At this point, I'm starting to reconsider the entire trip, and wondering how I could be dumb enough to think it was a good idea.

Later that night, I decided to try my luck again and entered

AUSTIN continued on page 7

### MEN'S SOCCER

## Pack bounces back with win

State dispatched SUNY-Stony Brook 4-0 on Wednesday afternoon after falling in double overtime over the weekend

**Ian Jester**  
 Senior Staff Writer

**CARY** — With their first victory in over a month, N.C. State dispatched visiting SUNY-Stony Brook by the score of 4-0 Wednesday afternoon, dousing away the fiery ill-fortune that had accompanied a three game losing streak.

Sophomore midfielder Santiago Fusilier notched his first goal of the season for State (5-5-1) in the 31st minute when right wing Bryant Salter instantly returned the pass back to Fusilier, who buried the first of four goals past Sea-wolves goalkeeper E.J. Xikis.

**N.C. STATE 4 S. BROOK 0** Stony Brook (8-3-1) hoped to capitalize against an opponent that was reeling in league play and decimated by injuries. But the Pack never offered the Wolves a chance to test backup net-minder Aaron Sanders, limiting all 18 appearing players for the Wolves to two shots total on net while launching 12 against Xikis.

"I think the biggest difference today is we had quickness, and we spread the quickness as a team," Coach George Tarantini said. "What I really like about this game is that we had a very tough loss in double overtime [against Wake Forest last Sunday], and it would have been easy for us to lie down. But instead we played hard, and I'm very proud that we played hard today."

Now halfway through the season schedule, State is the only team in the ACC without a win. Granted, two of the Pack's three ACC losses have been dealt in overtime, all three by league opponents that arguably form the most competitive soccer conference in the nation.

But nobody wants change to happen sooner than Salter.

"Last week before the Wake game, we trained the hardest that I think in any of the first two years that I've been here," Salter said. "To lose that game against Wake, it really opened our eyes that it's going to take a lot more than training to make us stronger. You have to work as a team in the game, not just in practice."

Taking a 1-0 lead into the half, the second stanza of play dazzled the home crowd with a flurry of three goals, two by leading scorer Aaron King. King received a clearance from Sanders at midfield, and dribbled forward relentlessly, avoiding a grab on his jersey, a handling by the defender, and a few sliding tackles before ricocheting the ball off Xikis into the side netting for the second goal of the game.

King scored again for the fourth goal in the 78th minute, a one-touch hit with the laces into the right corner, his sixth goal of the season assisted by midfielder Hugh Cronin.

"I think we were just really hungry after that last game, and we were trying to come out and show character," King said. "And show that we can get back and play as good as we know how to play."

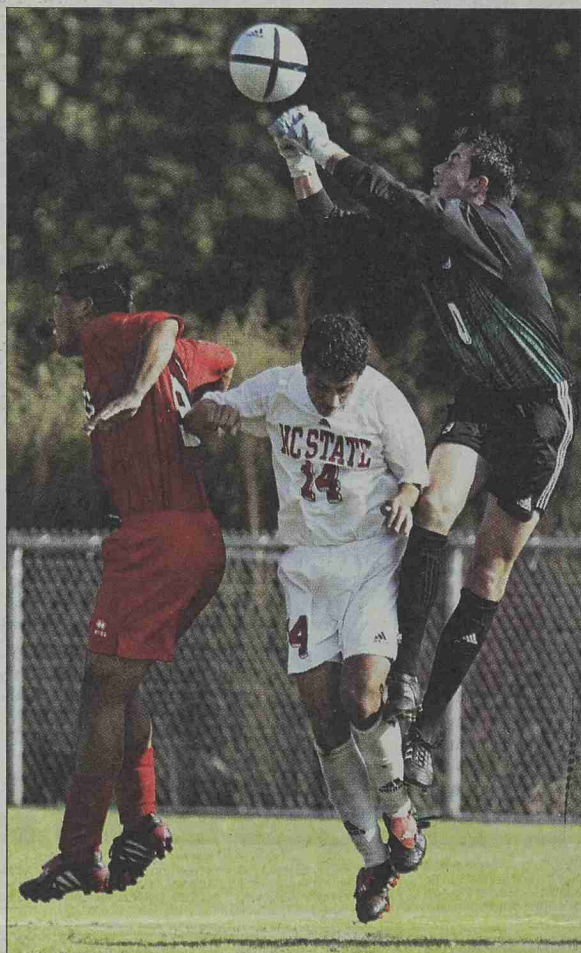
Salter collected his second assist of the day when one of his many brilliant crosses found airborne striker Chris Wheaton, who gave birth to a powerful header that grazed the far netting with authority, the third goal of the game.

"To get an assist, it's going to take two of us to score," Salter said. "I'd rather a teammate be in on it with me, so we can all get points rather than just one of us."

The goal by Wheaton made up in part for his costly error in the first half, when he gave teammate Ernesto Di Laudo a painful visit to the sideline with a body check after both players ingeniously decided to challenge one another for the ball.

Although Di Laudo returned to action later in the match, Tarantini grimaced to see yet another State player requiring

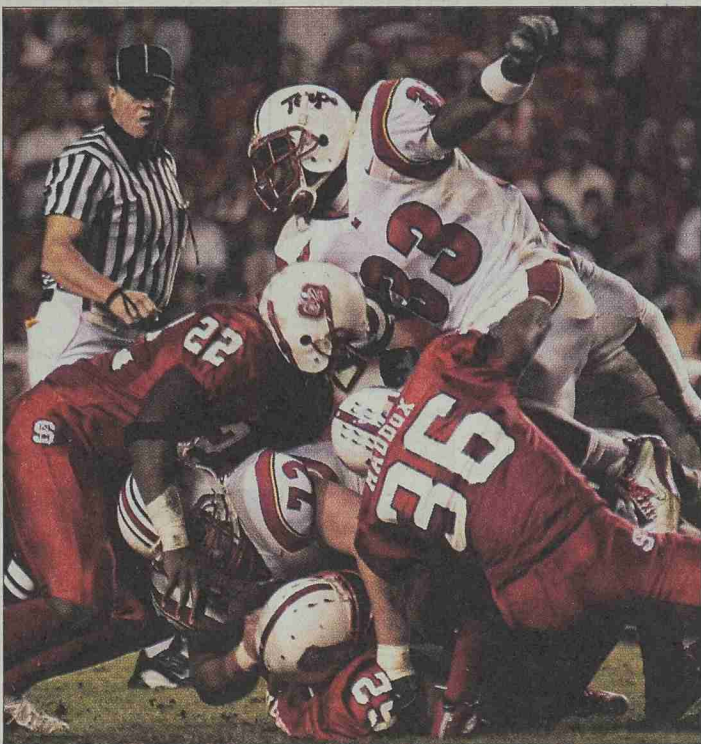
SOCCER continued on page 7



Backup goalie Aaron Sanders and Rami Ghanayem both leap to send away a ball against SUNY-Stony Brook. Sanders played in place of the injured Jorge Gonzalez.

### FOOTBALL

## Terrapins' streak on the line



Junior running back Josh Allen ran for 147 yards against State last season in a game that Maryland won 26-24. Allen has split time this year with Sammy Maldonado this season, tallying up 348 yards and three touchdowns. Terrapin quarterbacks Joel Statham and Jordan Steffy may also split time in Saturday's game against State, as Statham has thrown seven interceptions so far on the season.

RAY BLACK III/TECHNICIAN

Maryland has a lot of work ahead if it hopes to eclipse 10 wins for the fourth straight year

**Andrew Tanker**  
 Staff Writer

Maryland is one of just five teams in the nation to win at least 10 games in the past three seasons. This year, though, that streak is in serious danger.

With a 3-2 record and only six games left on the schedule, Maryland has to win out and then win its not-guaranteed bowl game to reach 10 wins again.

"This is not a surprise to me," Coach Ralph Friedgen said. "If we can start improving from here we would be right where I want us to be."

Part of the challenge has included finding a quarterback to lead the team. Sophomore quarterback Joel Statham struggled to make it through the first four and a half games and has thrown seven interceptions in the process.

Statham was pulled in the third quarter against Georgia Tech in favor of freshman Jordan Steffy last weekend, who then lead the Terps to their only scoring drive of the day.

Many questions arose after the contest as to who would be the starting quarterback in

### Maryland Quick Facts

**All-time Record:** 567-493-43  
**All-time ACC Record:** 182-144-4  
**Head Coach:** Ralph Friedgen (4th year, 31-8)  
**Home Field:** Byrd Stadium  
**SOURCE:** University of Maryland

the Homecoming game against N.C. State. Friedgen squashed the controversy a press conference on Tuesday.

"We will open it up more to competition, but when I feel a change is necessary, I'll make it — if I do feel it's necessary; I might not," Friedgen said. "With what Jordan did on Saturday, I don't think he beat Joel out, but he definitely did a commendable job. If we have the opportunity, we'll probably play him more earlier in games, but that depends on how the game is going, as well."

In addition to the budding two-quarterback system, Maryland has been splitting time between two running backs. Sammy Maldonado and Josh Allen have gotten almost equal carries and are both producing similar stats, though Maldonado has a style different from that of Allen's.

"I never stop," Maldonado said. "If [my offensive linemen]

MARYLAND continued on page 6

**Sammy's**  
 Tap & Grill  
 755-3880

**33¢**  
 Jumbo Wings  
 Sun - Thurs

Every Tues & Thurs  
 Almost Everything  
 \$2.50

**Now Hiring**

**Sammy's**  
 Tap & Grill  
 755-3880

WWW.SAMMYSNCU.COM