Mission not aborted You know as soon as Dubya got in office he started workin' on the agenda; Opinion p.2

Tuesday

What a Guy Snatch up today's edition to find Brad Pitt, "The Gift" and stuff about a play-writing contest.

Mid-term exams The women's basketball team gets its midseason grades in Sports.



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NORTH CAROLINA STATE UNIVERSITY'S STUDENT NEWSPAPER SINCE 1920

60

NCSU professor paves way for wireless communications

◆ Jay Baliga has patented a radio frequency transistor that will change the world of wireless technology

Trey Godwin

For someone who has developed more than 100 patents, N.C. State Director of the Power Semiconductor Research Center Jay Baliga certainly speaks in a tranquil tone, It's a safe bet that the students in his Principles of Electrical Engineering, class Engineering class a clue that they are ical

taking a course from a man who is about to revolutionize wire-less technology with one simple tool - radio frequency semicon-

ductors.

It wasn't an easy process for Baliga to develop the RF semi-conductors. Just like most major developments, it took years of hard work. Besides his frequent research with semi-conductors over the past 25 years, Baliga also had to obtain funding also had to obtain funding hartners to commercialize his new technology.

While there has been an increase in the amount of wireless data from devices such as cellular phones, digital phones

and Palm Pilots, the cellular base stations that handle the sig-nals are experiencing over-crowded traffic.

Baliga's invention will unite all brands of wireless systems such as AT&T, Nextel and

all brands of wireless systems-such as AT&T. Nexted and Nortel devices - regardless of the minute differences between each particular technology. Currently, cellular base sta-tions use Lateral Double Diffused Metal Oxide Semiconductor Field Effect Transistors. Yet, Baliga said. "My transistors are vasily supe-rior in 'gain and linearity." Baliza describes the gain as the

Baliga describes the gain as the amplification of how the in-

coming signal is boosted. Once the signal is boosted it results in less distortion with subsequent signals, therefore resulting in much less interference, or

crosstalk.

Consumers will benefit whether they uses cellular or digital technology.

In Bulga's opinion, the influx in digital technology can be attributed to one simple fact: It allows for six times as much simultaneous traffic than cellular products.

"In some parts of the country, cellular phones won't work because there is so much digital traffic," said Baliga.

The basis behind Baliga's work is to prevent a similar kind of problem that is occurring with high-definition television. Companies such as Philips-Magnavox, Sony and General Electric have produced distinct variations of HDTVs, much like the incongruous products of wireless companies. The problem is that the broadcast stations must buy equipment that may be compatible with only one brand of HDTV.

isn't compatible with a broad-cast station, the HDTV would not be able to receive that sta-tion's programming. The same thing can occur with the relay stations - not all products exhib-it the same success, which caus-es some products to experience distortion or to not work at all.

distortion or to not work at all.
Although the wireless problem
isn't as severe as the HDTV
wars, there is a resemblance.
Entertainment and technology
companies want to get ahead of
their competitors. However,
Baliga said that the beauty of his
RF transistor is that it doesn't

See RADIO, Page 3

On the crown of Africa

♦ An N.C. State vice chancellor and a NCSU graduate were members of a climbing group that ventured to reach the summit of Africa's 19,340-foot Mt. Kilimanjaro over the semester break.

Spaine Stephens

They left the United States keeping promises. They went lugging memorabilia from their everyday lives that seemed so far away. They went equipped with bodies ready for anything. They arrived in Africa bearing currently and the distribution of the cight-member climbing group, containing two members of the N.C. State community, took on a muchanticipated climb up Africa's 19,340-foot M. Kilimanjaro over the Christmas break. Tom Stafford, vice chancellor for student affairs, and Suzanne Knighton, a December 2000 NCSU graduate, were invited to go on the trip and both accepted, though their reasons varied.

Stafford, a fitness buff whom students often see working out at Carnichael Gym, was ready for an adventure and more world travel. The trip appealed to him because of the challenge it presented and the chance to be part of a team whose goals were to "support each other and get every-body up together," he said.

Knighton would not have gone on the trip if ngt for the support and urgings of her mother. At first, she did not want to accept the trip, a graduation gift from herfather, but instead wished to remain close to her mother, who had been ill. On the last day to turn in the money for the trip, Knighton releated when her mother made her promise that she would go.

"If anything do it for me," Knighton figured the climb would be with the support of the composition of the support of the support of the money for the trip, knighton releated when her mother made her promise that she would go, it as the best way to start a mountaineering career," as well as she best way to begin the rest of her life.

Tigust have this thing about life," said Knighton, talking with her hands as if trying to capture the world in her arms. "Education isn't in a textbook." She added, voicing a desire to get out and learn about life from experience.

Knighton began preparing mentally and physically for the trek, she said. "This, too, drew Stafford to accept the challenge," she said. "This, too, drew Stafford to accept the challenge she she s

ditions.

Stafford was slightly anxious about
"exactly how my body will respond to
the high altitude. Almost everyone
[climbing the mountain] gets
headaches and nausea."

"If I get sick, I get sick," said





Top: The climbers get a view of the other side of the clouds on Mt Kilimanjaro. Bottom: Stafford visits some African citizens during his trip.

Bottom: Stafford visits some African
Knighton. "This will be a good test to
see how I can do with altitudes."
Stafford said the group would have
to drink at least four quarts of water
daily, progress at a slow pace, break
every hour and be mindful of other
issues. The temperature at the base of
Mt. Kilimanjaro is 85 degrees
Fahrenheit; the temperature at the summit is around zero.
"We'll have to be very cautious
about keeping our hodies covered up,"
said Stafford, who said the weather on
the mountain could bring anything
from rain to snow storms, and Stafford
said that sunburn affliction would
occur faster at the higher altitudes.
Knighton considered the trip a form
of self-expression, and a chance to
practice what she said is a normal
thing for her to do.
"I never want to be ordinary," she
said.

The trip was anything but.

Being avid athletes, Stafford and Knighton began the physical prepara-tion for the climb well in advance. "I had to get permission [to go] from my wife, my doctor and my boss,"

laughed Stafford, who said NCSU
Chancellor Marye Anne Fox made
sure he had the plans for the new ticket distribution policy finalized before
he left.

Stafford said the hike would require
no technical climbing skills, but that
the climbers would need to be in top
physical condition. Stafford's regimen
included a mid-day aerobics class at
the gym nearly every day, treadmill
workouts and various leg strengthening exercises. He ran up and down
stairs and even hiked in Umstead Park
wearing his backpack to get used to
the weight and break in his boots.
Knighton practiced similar training,
swimming five miles a week and
going on long hievyle trips to strengthen he legs. She too carried a backpack
while hiking at Umstead and ran up
and down stairs. She swam "nobreathers" in the pool to expand her
lung capacity, hoping to lessen the
chances of being affected by altitude
sickness.
"That's all you can do," said

sickness.
"That's all you can do," said
Knighton about attempting to gear her
body up for very different conditions.
"You never can get truly ready. We'll
just wait and see."

After flying to Africa, the group traveled five hours from Nairobi to the lodge, getting a taste of the Kenyan culture and countryside on the way. They spent the night at the lodge, their anticipation growing all the while. At one point, the clouds in front of the mountain cleared just enough for the group to see the top. They cheered and took pictures as the reality of what they were about to do hit them. It took three hours to drive up to the trailinead where they would begin their adventure, but at a particularly muddy spot, the vehicle got stuck in the mire and would not move.

Automatically, several African children "emerged from the woods and cut branches to lay in the road" to help free the vehicle, said Stafford.

Everyone pushed for a while, but to no avail. The group histed the rest of the way to the trailhead and found about 55 African men waiting there for them. This was the group's support team, which consisted of four guides, eight cooks and porters who would carry the heavy equipment up the mountain on their backs and heads and set up and break down camp each day. They would cook and serve food like fresh fruit, pasta, soup, porridge, vegetables, eggs and bacon.

"We were amazed at how many people it took," said Stafford.

The first two days of the ascent went easily, but at the end of the second day, Stafford, who had too much weight in his pack, had changed his mind about the ease of the journey.

The first leg of the climb took the group through a rain forest, which soon gave way to lots of boulders, rocks and small vegetation. By the third day, the team was at 12,000 feet, with pleasant terrain.

Stafford said it was a unique experience to stand and look out over the clouds on the roof of Africa," he said.

"The African sky and clouds are really gorgoous."

The high spirits were dashed when the group leader came down with an intestinal sickness and had to go back down the mountain accompanied by unother member of the group who was not feeling well.

"It was a significant psychological setback

"He had worked out the plans for the trip."

The group continued for the next two days and reached 16.000 feet, where the land was snow-covered. The group camped and had dinner, holding their soup bowls to warm their hands before drinking it down. Then they retired for the night.

That night, four climbers, including Stafford and Knighton, fell ill with violent intestinal illness possibly from contaminated food. The next day, weak and queasy, they did not feel like they could go any further.

See CLIMB. Page 3

New blood research at **CMU**

♦ Under the same strategy as the oxygen affinity studies, researchers now hopes to design hemoglobin with different biological characteristics.

Cynthia Kos

(U-WIRE) PITTSBURGH The scientific revolution over
the past decade has not only
enabled the complete genetic
mapping of human beings, but
has also inspired us to finagle
with the notion of artificially
creating the most finite particles of our existence. Camegie
Mellon University biologists
are now performing breakthrough research with human
hemoglobin — the vital component that carries life-supporting oxy gen throughout the
body — that may soon lead to
the creation of artificial blood.
Dr. Chien Ho, a structural
biologist in the Department of
Biological Sciences, and his
research team have designed
and produced almost one hundred different forms of hemoglobin, to date. In 1997, Ho
was able to clone the human
hemoglobin gene and put it
into Ecoli. By cloning the
gene, the team was able to
make mutations in its genetic
sequence that would enable the
production of various forms of
the hemoglobin protein.

Through subsequent oxygen
affinity and cooperation studies funded by the National
institutes of Health, Ho was
able to determine that each
mutation allowed for the protein to carry as much as 30 percent more oxygen from the
lungs to oxygen-craving itssues than normal hemoglobin.
The newly designed proteins,
and more stable and will
release more oxygen more
quickly to the tissues in need.
Under the same strategy as
the oxygen affinity studies, Ho
ow hopes to design hemoglobin with different biological
characteristics, perhaps allowing hysicians to tailor a blood
substitute specific to each
patient's needs. "We hope to
design hemoglobin mutants
that will uniquely meet the
oxygen affinity studies, Ho
oxygen affinity studies, Ho
oxygen decaded in deficient mutant
made specifically for each disorder." This sort of made-toorder design scheme, called
"hemoglobin therapeuties,"

See BLOOD Page 3

TECHNICIAN'S VIEW

BUSH'S EARLY ATTEMPTS TO FIGHT ABORTION BETRAY HIS UNITY AND COULD HINDER HIS FOUR YEARS.

On the third day in office of his second elected position, Bush embraced perhaps the single most divisive issue in this country; abortion. He moved to reinstate a ban on federal funds to international family planning groups that offer abortion or abortion counseling. The ban began in 1984 under president Reagan and was lifted in 1993 by President Clinton.

In a written statement read by New

In a written statement read by New ersey Rep. Chris Smith, Bush said the Jersey Rep. Chris Smith, Bush said the Doclaration of Independence applies to "everyone, including unborn children," Furthermore, we share a great good, to work toward a day when every child is welcomed in life and protected in law. We know this will not come easily, or all a fonce. But the goal leads us of the share of life, affirming that every person, at every stage and season of life, is created equal in God's image."

Bush openly identifies himself with pro-life advocates, but supports abortion in cases of rape, incest and pain to the mother.

The U.S. Centers for Disease Control

the mother.

The U.S. Centers for Disease Control estimate that at least 1.2 million abortions are performed nationally each year; the Alan Guttmacher Institute estimates 1.37 million. Of all abortions, 88 percent occur in the first 12 weeks of pregnancy. According to the Journal of the American Medical late-term abortions are performed annually.

Congress and the equally divided citizenty.

Ironically, Bush is following in Clinton's footsteps. When Clinton took office, he proposed solutions to the issue of gays in the military and tried to conquer the healthcare struggle; he failed miserably on both fronts and lost much of his early political capital, although the failed miserably on both fronts and lost much of his early political capital, although the failed miserably on both fronts and lost much of his early political capital, although the failed miserably on both fronts and lost much of his early behind them. More disturbing than Bush's actions, however, is the mentality behind them. Bush is acting as if he entered the White House on the tide of a sweeping national mandate. He needs to face the reality of the divided state of this nation. Only half of the voting popularion voted in the electricin; of those, less than half voted for Bush — and more voted for Gore. Bush is already literally unpopular; the ignorant, insensitive and potentially politically suicidal efforts of his first days in office are serving to do nothing more but ingrain that unpopularity on a more widespread, perhaps irreversible social level.

Bush is not uniting Washington. And

level. Bush is not uniting Washington. And he is acting with neither honor nor dignity in respect to his campaign center piece of compassionate conservatism. This pro-life advocate may end up pushing abortion after all — not of unborn people, but rather of unborn policy shifts that that will incivitably be terminated in the political backlash.

I do solemnly swear to faithfully execute... so help me God.

The day democracy (almost) died



The recent instory took place. It was a grim and solemn day, and I'm not just talking about the weather, symbolic as it was For the second time in our nation's historiand time and outline to the popular candidate was not taking office. The last time an occurrence similar to this took place was during the Compromise of 1877 with Rutherford Hayes taking the election from Samuel Tilden in return for ending Reconstruction. That ended civil rights and disenfranchised blacks until almost some 100 years later they regained some of those rights with the Civil Rights movements of the sixties.

with the Civil Rights movements or the sixties.

And with this election the question emerges: "How fir back has it set us." I would say at least couple hundred years when we were ruled by tryants who took office regardless of what the majority of the populous wanted. And that is what is most astonishing to me about this election. The issue here is nor that the Republicant took office, it's how he took office. If a Democrat, or anyone else, would have done this I would be just as outraged; and regardiness your political affiliation you ought to be as well. The issue here is that the majority of the population in this country did not yote for the current presi-

dent, nor did the majority of the people in Florida vote for him. But what's more is that the majority of the country knows that he is not the rightful president. Yet he took office.

Realizing that it becomes clear that we have a tyramical government, or at least we're headed in that direction. You may think me cynical, but what else would an unelected "leader" be?

Well, why then isn't everyone roting one must wonder. Because of "comfort." They say, "I have a median salary and nice car. I don't really want to get flustered over a petty election: I just want to be comfortable." Well, what about principle? Whatever happened to the very principle this country was founded upon: democracy, a system in which the majority rules, has apparently become just an option, and majority vote just a suggestion.

I said it was the day democracy almost died because it's not quite dead. For all those people who, after the inauguration of the unelected president, said. "It's over," they were simply wrong. This is just beginning. I was actually in D.C. this weekend and, no, not to revel in the joy of the newly elected nincomposop to the presidency. I was there to see listory in the making, to waich all the protesss and maybe even participate in a few. It was the most heartwarming experience that renewed my faith in humanity and the will of the people that I have ever had. There were people to protest everything from the death penalty to our foreign policies, from the election to animal rights.

people were all there together, to stand up for what they believes, to say out loud what they believes is right and what should be done. It was raw democracy in its purest form.

However, what horrified me most about Saturday is the far-reaching power that the media had and chose to use for evil, focusing on the few violent protess they could find in a sea of peaceful assembly. Remember: what you see on IV is not always the truth; in fact, it rarely is.

in fact, it farely is.

The collective progressive movement is here and if the government does not respond to the will of the majority, the majority will yield its will through other means. Also keep in mind that the majority is not comprised of elite white males who you see on TV speaking for the "majority."

"This country, with its institutions, belongs to the people who inhabit it. Whenever they shall grow weary of the existing government, they can exercise their constitutional right of amending it, or exercise their revolutionary right to overthrow it."

Praise Jesus, yo



Greg Wolk Mark To College Wolk To College Wo

popularization and commercial-ization of Gospel music in the mid-dle of the 20th century, Christian music has been

a result of preaching God's word. In the music industry, music is what should matter.

The best example of this is DC Talk, the band who changed their musical style multiple times, in unsuccessful attempts to gain more support. You may remember their mid-nineties hit "Jesus Freak". Don't get me wrong, 1 am all for Jesus and all of that. Just think that many Christian bands lack efficacy because they lack musical and lyrical prowess. Most avid listeners of Christian music are devout Christians already. So, if the intent of Christian bands is to bring more people into the faith, then, on the whole, they are currently failing. Non-Christians already. So, if the intent of Christian bands is to bring more people into the faith, then, on the whole, they are currently failing. Non-Christians are no more receptive to being preached at in a song than by someone with a sign on a street corner. I know there are some good Christian bands out there. I would congratulate and commend them. They just can't expect to their video on MTV's "TRL" anytime soon.

But even more curious than Christian rock, is the current Christian rap industry. Many times while flipping channels on the campus television station I have come across Christian rap videos on MBC. Occasionally, I will take in a little bit of the video, expecting it to be the latest release from 504 Boyz or Ja Rule (as a nupper-middle class white male, how else will I keep abreast of current rap trends if not through videos?), But then, finding the bounc-

ing cars, scantily clad ladies, edited profanities and blocked-out marijuana references noticeably absent, I am prompted to resume my channel surf-

profantites and blocked-out marijuana references noticeably absent, I am prompted to resume my channel surfang.

All this makes me even more curious about the Christian rap industry, which I — until recently — did not really know existed. Christian rap is almost as much of an oxymoron as "soft rock." The mental pictures conjured up by "rap" and "Christian" are quite contrasting. After all, we all know that what makes rap music most attractive is the fact that it's all about the "cashmoney and hoes." So what exactly are you left with when you take away these treasured hallmarks of rap music and its videos? Simply a hyphen and an "and," which are no fun at all. Mainstream rap videos are a completely unique medium, serving as soft-porn, a cop show and a "Lifestyles of the Rich and Famous" episode all rolled into one. It's no secret that classic rap videos such as "Rump Shaker" and "Bahy Got Back." were not popular for their creativity. Because Christianity emphasizes chastity, humility and the rejection of worldly possessions, Christian rap is immediately placed at a disadvantage. Christian rap artists can't even use many of the good samples that make mainstream rap so catchy; "When I get that feelin", I want...um...spiritual healin." Yeah, that's it."

Rap music videos make an archetypal' appeal to our dark side, to the aspiring

want...um...spiritual healin. Yeah. that's it."

Rap music videos make an archetypal appeal to our dark side, to the aspiring player in us all. Rap music stars are living the alluring life of forbidden fruit many of us secretly yearn to at least experience. Have you seen Jay-Z's lat-est video? Who would complain about multipib half-naked, well endowed women "kicking it" at your mansion? In the battle for rap music influence, mainstream rap is not unlike the Anakin Skywalker while Christian rap remains the Luke Skywalker. Only, Luke and his well-intentioned rebel friends never quite succeed in triumphant destruction of the Death Star and the conquering of the Dark Side, In a nutshell, thanks for trying, guys (Christian rappers), but don't quit your day job, yo.

Monthly through Iriday throughout the academic year from August through May roung forming the lightless and cause mortos. Crypting 600000 by the student Mota Authority Alt inflat reserved. To interior personnel in emphasion, or increase of the control of the co

Setting the record straight



Justin Greene

net members are being confirmed. Most notably in this whole process has been the confirmation of retired General Colin Powell as the nation's first black Secretary of State. This has truly been a major step forward in the continuing struggle for racial justice in our once segregated land.

Other Bush appointees, however, have not been as fortunate as General Powell. Certain Democrats on the Senate Judiciary Committee, specifically Diane Feinstein and Edward Kennedy, have mounted a vigerous and victous attack against former Missouri Senator John Asheroft. Asheroft has been labeled in the media as a radical, right wing extremist, a racist and a Confederate-apologetic with a dirty pool for a heart.

It all sounds kind of strange for a man who is the son of an Assemblies of God minister and a professed born-again Christian. My question, then, is what exactly has Asheroft done to merit such character assassination? There is a lot floating around the mainstream press about the evils of this man, but there doesn't seem to be much factual evidence accompanying the charges. The answer seems to be in his opposition to the promotion of Missouri judge Ronnie White, a black man.

On the Senate floor, Asheroft vigor-ously opposed the promotion of White, citting his second as being 'too lement' and 'pro-criminal.' The same people who accuse him of being a prejudicial character assassin for saying that White is too soft on crime. By the way, every other Republican senator voted against. White for the same reason.

mer minister, knows John Ashcroft personally and attests to his personal honesty and integrity. With this knowledge in hand and in the wake of such allegations, I feel it is only proper to set the tecord straight. After all, most of the media is only going to repeat itself without bothering to check the facts.

As far as being anti-minority, John Ashcroft co-sponsored the Violence Against Women Act, supported 26 of 28 blacks nominated to the federal bench, was commended by one of the oldest black bar associations for his record of appointing minorities, became one of the first governors to create the Martin Luther King, Jr. holiday, created an award honoring George Washington Carver and helped save historically black Luncoln University. If that doesn't satisfy you, listen to the words of his Democratic senate collegues. In the Jan. 4th congressional record, Senator Robert Torricelli said, "I think It represents a very good choice...the only things people want in an attorney general are good management, sound judgment and high integrity. They're not easy to find in one individual, but I think John Ashcroft has all of them."

In the Dec. 15 congressional record, Senator Kent Conrad stated, "I rise to pay tribute to Senator John Ashcroft as

he prepares to leave the Senate. Senator Asherofi has been a man of his word who served his state and country with distinction. I join my colleagues on both sides of the aisle in wishing him well in his future endeavors.

I think those words by Democratis serve to show how extremely far left Senator Kennedy and his scandal-chasing friends in the media have swing-Instead of honoring the entrusted manifection of the senator of the senator

What do you think about Ashcroft? Tell Justin at jngreenejustin@hot-mail.com

PO SITION Generally, NCSU teachers and administrators are

Caring **23**%

Cold

A total of 388 responses were received.

The Poll Position station is located in the lobby of Fountain Dining Hall and collects data on Sundays, Mondays and Wednesdays. Results are unofficial and not scientific.



CLIMB

"It was snowing like crazy," said Stafford.

The team had come this far, though, and had proven something to themselves.

A graduation with high honors

When it was decided that the four people who had been sick would stop at 16,000 feet, Stafford gathered the group around and said he had a special presentation to make. With assistance from the NCSU registrar's office, Stafford had obtained Knighton's real diploma, which she would not have ordinarily received until the end of January. He presented it to her, saying that she would be able to tell her friends and her grandchildren that she is the first—and possibly the only—NCSU student ever to receiver the diploma at 16,000 feet on Mt. Klimanjaro.

"She didn't believe it was the

"She didn't believe it was the real thing, but I assured her it was," said Stafford.

was," said Stafford.
Two members of the team continued climbing and eventually made it to the top. The others headed back down, spent the night at 14,000 feet and were back at the base of the mountain nine days after they began.

After the climb

Stafford reflected on the con-ditions and the outcome of the

climb.
"It was very different than what we expected," he said. "There was a lot of weather that I didn't expect. It rained, sleeted and snowed."
The amount of physical exertion needed to make the hike



Suzanne Knighton holds her diploma with Stafford after the climb.

also surprised him. Climbers must be in top physical shape, and the trip as a whole was extremely challenging, though

extremely challenging, though rewarding.
What struck Stafford the most about the trip was the group of people that went, and "what happened to us."
Stafford said the experience was like a metaphor of life: some things go the way you

want them to, and other situations produce disappointment. Though things didn't go as planned, Stafford remained optimistic.

"It's not what happens to you, it's how you respond," he said. "I think everyone would have gotten to the top if no one had gotten sick."

He said the group was able to them and react quickly to factors that they had not anticipated and could not predict. The group reunited at the bottom of the mountain, and and one last night together before they split up and went their own ways. They were served a dinner of fresh fish, potatoes and salad, and recalled how they had supported each other and worked together.

recalled how they had sup-ported each other and worked together.

The next day, Knighton went on to tour other parts of the world, and Stafford returned to Nairobi with the group leader to unwind.

He was deeply affected by what he found in Nairobi. The city justed above the horizon and contrasted with the soft folds of the fields, forests and countryside of Tanzania.

Stafford said the living con-ditions were shocking, and that the sub-standard condi-tions experienced by some Americans are what the majority of the population in Nairobi experiences on a daily basis.

"There's no significant way to earn a living," said Stafford, adding that the job of the

porters who helped them up the mountain was a highly competitive position.

The people he encountered had sunny dispositions despite their plight, and the Kenyans almost pleaded with us to tell other Americans to come visit," since tourism is their primary economic source, said Stafford.

Stafford visited with the natives and then had dinner at The Carnivore, a favorite restaurant of the team leader, where Stafford atter crecobile that the stafford and impala, adding the finishing touch to an already exotic adventure.

On a tour of a game park, Stafford witnessed two male tions come out of the bush merely 15 feet away and walk down the road away from their vehicle, a sight that struck him as a lasting image.

Stafford's time on the mountain and in the surrounding countries had a deep impact on him.

"For me, it was just a really unique experience to be on a mountain that size," he said. "It's easy to understand how the matives! view the mountain as sarend. It has a mystical quality to it; you can almost feel it."

Along with everything else the group carried, Stafford took about 20 NCSU T-shirts and gave them to the porters, who eagerly accepted them.

"It spread the Wolfpack to M. Kilimanjaro." he said. "There should be a Wolfpack presence on the mountain."

RADIO

Gammand hom Pagin 1
favor any one brand over
another. Therefore, every wireless company is on even terms.
One of Baliga's most challenging obstacles with his
invention was the commercialization process.
According to the Office of
Technology Transfer's mission
statement, NCSU is dedicated
to the transfer of its research
and technology to the public
sector for the benefit of North
Carolina, In order to accomplish this mission, Centemial
Ventures Partners Fund, a seed
and early stage venture fund
created by NCSU to invest
time and support services in
start-up firms, was created.
CVPF, along with help from
the Longleaf Venture fund,
funded the creation of Baliga's
Silicon Wireless Corp.
Glenn Kline, senior managing
director of Centennial Venture
Programs and interim Silicon
Wireless Cop.

Glenn Kline, senior managing director of Centennial Venture Programs and interm Silicon Wireless (EO), said that his role is to get the business off the ground and to eventually—hopefally in the next 6 months—hire a CEO.

"It's tough to start-sup a company, We need additional funding to hire the people that have the experience and knowledge to make this a well-run company." he added.

After careful deliberation with Kline and several others; Saliga decided to sign a deal with Fairchild Semiconductor International. While some companies are skeptical when forming partnerships, Michael Batalia, associate director of technology transfer, said that Baliga's judgement is never to be doubted.

"He's one of the finest men I.

be doubted.
"He's one of the finest men I know. He knows how the technology transfer process works. He goes through all the research. By being prolific, he's honed his skills."

Fairchild gave Silicon Wireless a \$10 million invest-

WEDNESDAY, JANUARY 24th

ment, and in exchange they hold the rights to manufacture and market amplifiers in which the transistors will be placed.

the transistors will be placed.

Baliga said several other companies were in the running, but Fairchild has the credentials to make the transistors a success. "They had already developed some of my earlier patients, so I knew they had the right technology."

right technology."

Once Silicon Wireless begins making profit, it will hire approximately 20 employees by mid-year. The company will also expand in location. San Diego will house the packaging part of the business, white Salt Lake City will be home to the processing plant.

"The complexion of the business."

"The complexion of the busi-ness will change, but our goal will remain the same," said

Baliga.

Another of Baliga's most famous patents was the Insulated Gate Bi-Polar Transistor. It is used in all heat pumps, robots in Tactories, bullet trains in Japan and even in portable defibrillators. The defibrillators, stowed on airplanes for emergency situations, save over 100,000 lives per year.

Balian received his under

per year.

Baliga received his undergraduate degree at the Indian
Institute of Technology before
coming to the United States
and earning his muster's and
doctorate at Rensselaer
Polytechnic Institute in Troy,
N.Y.

N.Y.

In 1998 Baliga was the recipient of the prestigious O. Max Gardner Award. According to Baliga, the Gardner Award is given annually to a member of the faculties of the University of North Carolina System who makes the greatest contribution to the welfare of mankind. Besides racking up the accolades. Baliga is also thrilled that he has helped 25 people obtain their doctorates in engineering.

BLOOD

Continued from Page 1

may eventually be utilized in the formation of an artificially created blood substitute thavill provide a stable, disease-free, no-risk supply for patients of all blood types.

Some four million Americans free, no-risk supply for patients of all blood types.

Currently artificial blood or blood component substitutes are not yet available, although several clinical trials are under-way. The trials are investigat-ing substitutes made from chemicals called perfluorocar-bons and also from modified human hemoglobin from expired blood. The new hemo-globin developed in Ho's lab-bind and deliver more oxygen than both, and will most likely

be useful for short-term needs such as in emergency or surgery.

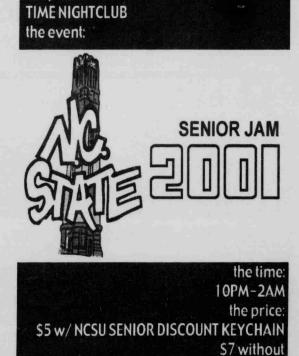
gery.

"Our work provides us with an opportunity to understand the structures and workings of hemoglobin and I am very excited about its use in a blood substitute system" said Ho. "This achievement is only a step towards artificial blood, but it is an important one."

the day:

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One to Snatch on to

Ryan Hill

HENRY'S STORIES MAY HAVE ALL BEEN DIFFERENT, BUT THEY ALL CENTERED AROUND ONE THING; PLOT TWISTS. WHETHER THEY WERE LARGE OR SMALL, O, HENRY BECAME LEGENDARY FOR HIS PLOT TWISTS, GUY RITCHIE, THE WRITER AND DIRECTOR OF "SNATCH" MAY BE NO O. HENRY, BUT HE IS QUICKLY GAINING A REPUTATION FOR HAVING AMAZING PLOT TWISTS.

Snatch

Slaring

Snatch

Slaring

Snatch

Snat

Pitt is excellent as Mickey, even though you can only under-stand about 65% of what he says (the characters on-screen have just as hard a time). He looks worse than he did in "12 Monkeys," which is truly a feat indeed. Vinnie Jones (England's equivalent to Dennis Rodman) is as tough as they come, but he still draws the laughs as his favorite song in the film is Madonna's "Lucky Star." Everybody in the film does a good job, especially the gypsy dog, which is the funniest char-acter in the movie. Ritchie is also known for making noir films with a "Gap" commercial flare. The opening shot of "Snatch" follows a group of rabbis going up to a room from security carness Everything is shot normally until they enter the room and the lead rabbi (Del Toro) takes off his shirt to reveal an arsenal From then on you know you're in a Guy, Richie film because of all the wild pans, super slow motion shots and hyper-kinetic editing.

lead rabb (Der 1010) takes on a flow Richie film because of all the wild pans, super slow motion shots and hyper-kinetic editing.

"Snatch" isn'i quite as fun as Ritchie's debut, nor are the plot twists as believable. There aren't as many truly evil characters, yet the action in "Snatch" is more evil. "Lock, Stock and Two Smoking Barrels" constantly had a feel of childish fun to it, even when the good guys were in grave danger. They went through everything around them as if nothing would harm them. In "Snatch" nobody is safe, and the good guys are all vulnerable to bad guys.

It's going to be a lot of fun watching Ritchie evolve as a film-maker. As he starts to experiment with different genres and styles he should become the front-runner for a new generation of films that adheres to the MTV viewing style of super-sate cuts and wild directing styles. So long as the stories can stay on this level, it should all be worth it in the end.

Not The Gift you asked

Zack Smith

only get stranger following the disappearance of Jessica King (Katic Holmes), the Jocal vixen. With no leads to go on, Jessica's fiancée Wayne Collins (Gen King



this is your chance!

Joel Isaac Frady

Assistant Features Effice

This April, Thompson Theater and Alpha Psi Omega will sponsor the third installment in the "Short Shorts" series, and much like "Short Shorts II" in April 2000 this will be an entirely-student driven performance. Like the performance, the plays that are produced will all be written by students and locals who submit their plays into Thompson Theatre by Thu., Feb. 1 as part of this years writing contest.

Like the first two "Short Shorts," the show will consist of between four and six short plays all performed on the same evening in the Studio Theater. The first "Shorts", in fall of 1999 and consisted of four fairly popular shorts from famous writers. When it was a much larger success than anticipated, the decision was made to have a second "Shorts," but to have it be an entirely student run production, and the writing contest came about when other difficulties rose up.

"It started when [during 'Short Shorts II'] we didn't have enough money to afford the royalties for another evening of One-Acts, so we figured the best way to do it was to have all the shows student written," states Laura Bassett, senior in Mass Commonication and secretary for Alpha Psi Omega. "Last year was sort of an experiment, and it worked out famously ... we had positive reviews from everyone that came to see it."

The plays will be chosen by a committee of APO brothers once all the plays are turned in, and while variety in plays is a plust by will be looking for the following basic requirements in the plays. The play must be no longer than 15 minutes when performed, they don't have a large cast (between two and four is best) and there are minimal technical requirements and props. so a rule of thumb is to keep it simple. The winners will receive two tickets to a chosen performance of "Short Shorts III" in addition to a University Theatre T-Shirt.

"For writers, this is a great opportunity for two reasons," says Adrian P. Dunston, a junior in Computer Science. "First, it's a way for writers to get their work out th



The Gift

Starring:

A PLACE

Nikhil Kriplani

All that emotion, all that hope, All that felt right in the warmth of the

You said you climbed your misty moun-

in, You said you planted a tree, You gave water to the thirsty traveler, You healed the wounds of the war-to

You answered your call, From your mother calling you from far

way, I'm just trying to plant my roots in this

place.
While all you ever do is fly away.
So where do we go from here,

To a place where there are no m

And trees

And trees,
Joy, and fulfillment,
And cool weather and peace and where
all you need is yourself.
Where there aren't any answers,
Maybe that place lies deep within,
In that complex vortex of our minds and
the pressure of our expectations,
Just like the eye of the storm,
Where we don't break down anymore.

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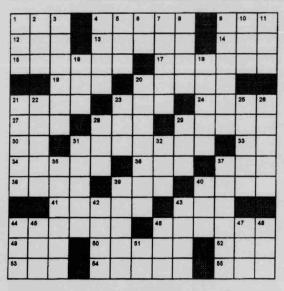
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52 Night before
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5 Chaos
5 Amount (abbr.)
6 Prosecutor (abbr.)
7 Assent
8 Peruse
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10 Brit Expeditionary Force (abbr.)
11 Turksh prince
16 Down
20 Watch closely
21 Place a cloth over
22 OK (mittar) jargon)
23 Obese
25 Rover
26 Eat away
28 And
29 High mountain
3 Indoor sport area
35 Vertical stair steps
37 Hair cutter
39 Balm
40 Bind (slaing)
42 Lip
40 Bind (slaing)
42 Lip
43 Steam engine inventor
44 Wooden pin
44 Wooden pin
45 Meadow
46 Incorporated (abbr.)
47 Meadow
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51 Alcohelics group (abbr.)
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Sports

ASHTON

Titans may not be all that appealing, the Brenda Warner-for-Angie Harmon switch is definitely an improvement.

Shannon Sharpe's trash

Normally, I don't like trash talking, but when done properly, it can be quite entertaining. Charles Barkley was a master at it when he played in the NBA. Barkley was different **NOTES**

Gymnasium, or visit our Web site at www.fis.ncsu.edu/pe/im/imspor tsnew.html.

The club water polo team will hold a beginner's clinic on Feb. 3. Anyone interested in learning to play water polo is welcome to come. The team will start by teaching the basic rules, skills and ideas behind the game. After spending the morning doing drills and demonstrations, participants will divide into teams for some fun and exciting scrimmages. The clinic will start at 10:30 a.m. in the 50-meter pool in Carmichael Gym.

Fitness

All aerobics classes are drop-in, so come out and join us. Stop by the Intramural-Recreational Sports office or call 515-3161 for more information.

from other trash talkers because he was creative and witty. He played a great game, but he talked an even better one.

The same can be said of the Ravens' Shannon Sharpe, who, aside from being the best tight end in the NFL, has turned trash talking into an art form. Two years ago, before Super Bowl XXXIII when Sharpe was with the Broncos, Falcons cornerback Ray Buchanan made the mistake of saying that Sharpe looks "like a horse." That led to this response from Sharpe:

Sharpe:
"Is he [Buchanan] my friend?
No. Did I ever view him as a
friend? No. Did I ever view him Massage Techniques on Feb. 6

Informal recreation

as an acquaintance? No. Do I like him? No. If I see him in a snowstorm and his truck is broke down [and] mine is going perfectly ... would I pick him up? No."

up? No.

And that was just the beginning. Then Sharpe decided to discuss the four-year, \$13 million contract that Buchana signed with the Falcons:

"What he should've done last year [after] he got all that money to sign, he should've gone back in there and given half of it back because he stole last year's salary. He backed up to the window with a mask and a hood and said, 'Give me my check."

1. The commercials

From the Budweiser Frogs to "Whassup," the Super Bowl broadcast has turned out some classic ads. The game itself might not be great every year, but at least we can rely on the commercials.

Jeremy Ashton's columns appear on Tuesdays. He can be reached at 515-2411 or jdash-ton@unity.nesu.edu.

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Team	ACC Record	Overal		
Duke	6-1	18-1		
Clemson	6-2	15-4		
Virginia	4-3	13-7		
North Carolina	4-3	10-7		
Maryland	3-4	12-6		
Florida State	3-4	11-6		
N.C. State	2-5	11-7		
Wake Forest	2-5	10-7		
Georgia Tech	2-5	10-7		

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more George Cintron made it 13-4 by handing Joe Guzzio a 4-2 defeat at 125. yland's come-back with a 6-1 decision over Ryan McCollum. Mansueto made it 13-10 with his first dual-match victory of the sea-son, an 8-7 decision over Oracfo Brown at 141.

Soft, an 8-7 decision who has never lost as many as three matches in a row in his career, then came to the mat with a two-match losing streak on the line and easily defeated Robinovitz to give the Wolfpack a 17-10 lead. Pryor iced the team win with his major decision over Booth.

Maryland's Josh Weideman finished the team competition by handing State's Soott Garren, ranked No. 13 at 165, his first loss since Jan. 7 with a 7-2 decision.

State goes back on the r Saturday with matches Virginia and James Madison

The Andrew Payne Show Read EVERY TUESDAY at 6:00PM Technician Sports

TERPS

Table tennis will be held on courts E5-6, E8 and E10 from 5:30 to 7 p.m. on Friday. For more information, contact the Intramural-Recreational Sports office at 515-3161.

Outdoor adventures

Registration begins on Monday for Mountain Biking and Camping on March 3-4 in the Uwharrie National Forest. Come ride over twenty miles of single-track in this beautiful National Forest. To register, visit 1000 Carmichael Gymnasium.

Registration is also going on now for Outdoor Adventure workshops. Upcoming work-shops are Winter Camping on Thursday, Rockclimbing Basics on Feb. 9, and Map/Compass on Feb. 22.

Job opportunities

Intramural-Recreational Sports is hiring marketing per-sonnel along with a Web designer. For more information, call 515-3161 or stop by 1000 Carmichael Gymnasium to

for more information. Registration for upcoming fitness workshops is ongoing. The future workshops are Weight Training Basics on Thursday, Nutrition: Food Pyramid Helping You Eat Healthier on Monday, Anxiety: Part I on Jan. 31. Qigong Relaxation Techniques on Feb. 6 and

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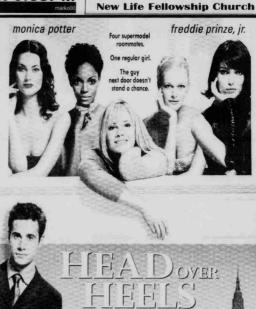
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Sports



SCHEDULE

Midseason report card

◆ The women's basketball team approaches the second half of the sea-son with a 2-5 record in the ACC.

Rob Godfrey

Assistant Sports Editor

It began with a selection as the third best in the Atlantic Coast Conference by the media. But injuries have hampered the season for head coach Kay Yow's 26th N.C. State basketball team.

Almost halfway through the season, the squad is 11-5 overall, though only 2-5 in the conference. Close road losses to North Carolina (83-77 in overtime) and Duke (72-69) have been disappointments, but with one of the top-five scoring defenses nationally, home rematches with those team are hardly discouraging.

"Defense is what we win with," Yow said. "We have to give a tremendous effort on that end to really be able to compete."

Fontourt

Carsse Moody has been productive in the post for the Pack, having to play center in the wake of Kaayla Chones' season-ending injury. The 6-foot-1 sophomore is undersized for an ACC center but is scoring 13.6 points per game and pulling down 6.7 rebounds.

Talisha Scates, a 6-foot-1 junior forward, also starts in the post. Her 6.1 points per game in conference play are fourth on the team, while Monica Bates, a 6-foot-2 senior, is contributing 3.2 points per game.

With Chones, the State frontcourt is significantly bigger, stronger and more productive on offense. In Chones' absence, Moody has been consistent, though not dominant. As the season winds down, fatigue could be an issue with Moody.

Amy Simpson, a sophomore guard/forward, is third on the team in scoring. Her

Amy Simpson, a sophomore guard/for-ward, is third on the team in scoring. Her three-point marksmanship continues to make her the go-to player in clutch situ-ations, a la the final shot in State's 72-69 loss at No. 5 Duke.

Backcourt
One would be remiss in evaluating the State backcourt if one overlooks the leadership, offense and explosiveness of senior guard Tynesha Lewis. The Macclesfield native is the Pack's leading scorer (15.1 ppg in ACC games) and second on the team in steals (25). Lewis single-handedly keeps the State backcourt competitive in one the nation's top conferences with her speed and athleticum.

cism.

Sophomore Daphne Hutcherson has been pulling time at the point, starting 12 games, but her turnovers — 39 compared to only 43 assists — stand out on her stat line. Recently, Amelia Labrador has seen playing time. On the season, Labrodor has six starts, averaging four points an outling. She, too, turns the ball over (22 times this season), but luckily, Yow is patient with her fledgling point guards, reminding her players and reporters alike that experience leads to sound ball handling.

Grade: B



Adeola Olanrewaju is among the State players who have seen increased playing time due to injuries

Yow continues to enjoy success at the helm of the State women's basketball program, an athletic institution she fortifies with integrity. A season after celebrating 25 years as Pack head coach, she won game No. 600 71-64 when Temple visited Reynolds Coliseum.

visited Reynolds Coliseum.
Yow is certain that defense is the greatest strength of this year's team.
"We can compete with teams, but we
have to do what our strength is." she
said. "We have to remember what our
strengths are, defense especially. We
can't pretend they're something else."

Grade: A

Preshmen

Nanna Rivers and Adeola Olanrewaju
are the two freshmen on what is an
exceedingly young team (the Pack has
but two seniors). Rivers, a guard, has
played about 14 minutes per game, committing as many tumovers as she has
collected assists. Still, Yow praises her
freshmen for their intensity and work
ethic.

"Our freshmen are great," she said.
"They are hard workers and are adjusting to the college game."

Olanrewaju, a forward, is efficient on the boards, pulling down nearly five a game, and is seeing about three more minutes of action than Rivers.

Grade: B

Overall
State women's basketball, wrought with injuries and inconsistent from three-point land, is still a NCAA Tournament bubble team.
Injuries account for the difficulty in finding a starting five, but in the second half of the ACC season, the team has to mesh or settle for a WNIT bid.
"The team has a hard time adjusting." Yow said. "Quite honestly, if we change anything in the course of a game, it throws us off."
Grade: 2

football

Not-so-Super Sunday

That American tradition called the Super Bowl takes place Sunday, and I can't really get excited about it. This usually isn't a problem for me, even when my favorite

quite often.
The epanthers
have hovered around
the .500
mark since
going to the



Jeremy Ashton

mark since ASTION going to the NFC Championship game in 1997, and the Bengals, well, I'd rather not get into that. But I'm having trouble getting used to the idea of a Ravens Giants Super Bowl. I need a few good reasons to watch the game, and here's what I came up with:

5. The first Super Bowl overtime

overtime

Let's face facts; there aren't going to be a lot of points scored Sunday.

The Giants aren't going to score on the Ravers' record-setting defense. Yeah, they hung 41 on Minnesota in the NFC Championship, but the NFC Championship to the NFC Champion

4. Ray Lewis' "fairy tale"

Ray Lewis just went through a pretty amazing 12 months. At last year 5 Super Bowl, the Ravens linebacker was arrested on murder charges when two men were stabbed to death outside of a party he was attending with his entourage. Lewis was eventually acquitted of murder creturned to the Ravens, and had

eventually acquitted of murder, returned to the Ravens and had such a great season that he was animed the NFL's Defensive Player of the Year. But Lewis' season isn't a "fairy tale," as he's been fond of calling it. People forget that Lewis pleaded guilty to a crime, bostruction of justice, because of the incident at last year's Super Bowl. The NFL fined him \$250,000 for the incident at last year's larger was incredibly lucky the league didn't suspend him. Lewis deserves to be applauded for the monster season that he put together on the field, but to portray him as a victim is wrong. At least this year, he'll be making news at the Super Bowl for the right reasons.

3. Brenda Warner vs. Angie Harmon

A real fairy tale story was the rise of Kurt Warner last season. In one year, Warner went from an anonymous Arena League quarterback to NFL and Super Bowl MVP.

Bowl MVP.

The only drawback to Myler only of the only of award's success was the fact that his wife, who isn't exactly a movie star, got so much TV face time during the Super Bowl, Fortunately, Giants cornerback Jason Sehorn, who should be one of this year's featured players, does have a movie star for a finance, Angie Harmon of "Law and Order" fame.

fame. While trading the Giants-Ravens matchup for last year's classic between the Rams and

Davis, Pryor push wrestlers past Terps

IM/RecNotes Intramurals

Basketball begins this week. To find out your playing sched-ule, visit our Web site at www.fis.ncsu.edu/pe/im/imspor tsnew.html or visit 1000

www.fis.nesu.edu/pe/im/imspor tsnew.html or visit 1000 Carmichael Gymnasium. Registration for the upcoming swim meet will close on Monday for the Men's Residence, Women's Residence/Scrority, Fraternity. Men's Open and Women's Open divisions. Anyone interested in partici-pating in intramural sports can call 515-3161 for more infor-mation.

Club sports - results

The club roller hockey team improved its record to 6-2 on the season Friday night with a 16-7 win against Duke. Leafung scorers for the Wolfpack were Chris Hickman with five goals and Jerome Miller with three goals. The team's next games will be Friday night at 10 p.m. vs. East Carolina and Saturday

night at 10:00 p.m. vs. North Carolina at the Wayne Gretzky. Roller Hockey Center in Cary. The league-leading club ice hockey team started its weekend strong by shutting out second-place Maryland 4-0 on Friday night at the Cary Ice House behind stellar play from goalie Will Roumanis and the Pack defense. However, the weekend took a turn for the worse, as the previously undefeated Pack lost 3-1 on Saturday night at the Entertainment and Sports Arena to an upstart Liberty squad. The team travels to College Park, Md., on Friday for a rematch with Maryland for a rematch with Maryland for a rematch with Maryland for the College Park, Md., on Friday for a rematch with College Park, Md., or Friday for a rematch with College Park, Md., or Sturginia Commonwealth.

Club sports upcoming events

Initial organization meetings for club sports began Thursday and will last through Jan. 31. Contact the Intramural-

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♦ The N.C. State wrestling team downed Maryland 21-13 on the road Saturday.



mary. 139 major decisions to elinich the Wolfpack's 21-13 Atlantic Coast Conference victory over Maryland.

The Wolfpack (5-6, 1-1 ACC) jumped to a quick 13-4 lead by winning four of the first five matches. But the Terraphis (1-2, 0-1), battled back behind decisions from 20th-ranked Brandon York at 133 pounds and sentor Mark Mansueto at 141, cutting State's team lead to three points with three matches remaining.

As the luck of the draw would have it, however, those three matches featured three of the



The wrestling team defeated Maryland for its first ACC win.

Volfpack's top four performers Worlpack's top four performers.
Davis, a two-time defending
ACC champion, made quick
work of Bryan Robinovits 17-7,
and Pryor, an ACC champion
two years ago, whipped Rob
Booth 12-2 to lock up the victory for the Pack.

ry for the Pack.

Redshirt freshman Dustin Kawa got the match started for the Wolfpack, overcoming a pair of first-period takedowns by Sal Aquia to win 10-9. Maryland's Jake Stork then gave the Terps a

4-3 team tead with a 15-5 major decision over State's Jason Gore at 184. Senior Zach Breitenbach, ranked No. 12 nationally, got the major decision back with a 12-3 win over Maryland's Bob Vorhies.

4-3 team lead with a 15-5 major

Freshman heavyweight Ricky Taylor then earned his second collegiate victory with a 4-2 win over James Taylor to give the Pack a 10-4 lead, and sopho-

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