

# Technician

North Carolina State University's Student Newspaper Since 1920

Monday October 2, 1989 Raleigh, North Carolina

OCT 02 1989

THE LIBRARY OF THE UNIVERSITY OF NORTH CAROLINA AT RALEIGH

Volume LXXI, Number 17

## Gas leak forces shutdown of freezers in Schaub

By Shannon Morrison  
Senior Staff Writer

An anhydrous ammonia gas leak forced N.C. State officials to shut down a freezer cooling unit in the basement of Schaub Hall on Sullivan Drive Thursday night.

University dairy products including ice cream and milk are processed and stored in the food sciences building.

No one was injured, but several people were evacuated from the building.

According to Gary Cartwright, NCSU's

dairy plant manager, workers had to shut down the compressor until morning.

"We could have easily lost \$8,000 worth of product," Cartwright said, but the cooler's temperature didn't rise above 35 degrees, so nothing spoiled.

However, NCSU did have to purchase \$900 worth of ammonia to replace what leaked away.

The ammonia had leaked from a bleeder valve running off of the freezer cooling unit in the basement of Schaub Hall.

Schaub Hall's ventilation system circulated the gas throughout the building. A work-

er on the third floor called Cartwright because the ammonia was irritating her eyes. Cartwright then called Public Safety.

The ammonia, being heavier than air, was concentrated in the basement and an adjacent exterior pit area where several storage tanks were located.

Public Safety Officer Tim Scarborough, who entered the basement without the protection of a face mask, said the ammonia burned his eyes and sinuses.

At one point the ammonia concentration was measured at 25 parts per million.

According to Public Safety Hazardous

Waste Manager Rob Pecarina, 25 parts per million is a safe concentration limit set by the Occupational Safety and Health Administration (OSHA).

"OSHA doesn't allow people to work in those conditions without proper personal safety equipment" he said.

The rest of the building was only minimally contaminated, said Raleigh District Fire Chief L.B. Woodall. The concentrations were so low they were not detectable on the fire fighters' instruments, he said.

The first officer to respond to the accident, Public Safety Inspector Dave Godwin, said

people were still in the building at about 8:35 p.m.

"We activated the fire alarm to get everyone out," Godwin said.

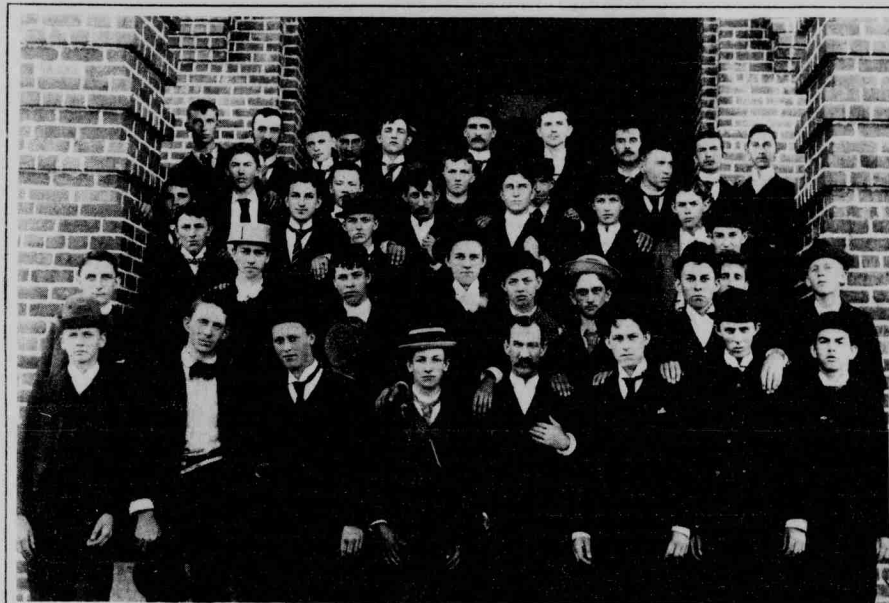
Raleigh firefighters later located the leak and attempted to stop it.

Officials said the firefighters turned one, but possibly two valves to stop the leak.

They completely turned off one valve, and the bleeder valve. If they adjusted it at all, they only did partially, officials said.

"If the bleeder valve had not been on, then

See **SCHAUB**, Page 2



Members of the first class of freshmen to enter The North Carolina College of Agriculture and Mechanic Arts, now N.C. State, pose on the steps of what is now Holladay Hall. The building housed the entire college at the time: classrooms, offices, bedrooms and dining facilities.

## State tradition began in 1889

The N.C. State tradition began one hundred years ago Tuesday, when the North Carolina College of Agriculture and Mechanical Arts opened its doors for the first time.

The first 120 students had a choice of two majors: agriculture or mechanical arts. Seventy-two students graduated in 1893.

After a century of changes, including various curriculum upgrades, name changes and additions to State's campus, NCSU has become one of the nation's leading public universities.

NCCA & MA was established on March 7, 1887, when the North Carolina State Legislature signed the bill to create the college. The lawmakers set up the land-grant institution under considerable pres-

On Oct. 3, 1889 N.C. State opened what is now Holladay Hall, the first campus building. Tuesday, the campus celebrates the 100th anniversary of the

## Opening of the doors at N.C. State

### 100 years later

The first doors opened more than 100 years ago, but little did that class know N.C. State would be the institution it is today.

See Page 10

## Text by Heather Muir and David Cartrette

sure from regional farmers who challenged the adequacy of programs offered at UNC-Chapel Hill.

The first 120 students were to be sent to NCCA & MA on scholarships; one student from each county represented in the General Assembly.

The first student to enroll was Walter Jerome Matthews. What he saw when he came to campus was a single building. Holladay Hall's plaster was still dripping wet, and there were wood shavings all over the floor.

This building was NCSU's beginning. The kitchen, dining hall, and gymnasium were in the basement, and the classrooms, library and faculty offices comprised the first floor.

Gradually, after 100 years, and the

See **NCSU**, Page 2

## Poulton legacy marked with accomplishments

By Erica Upton  
Staff Writer

Saturday marked the final day of Chancellor Bruce Poulton's tenure at the helm of N.C. State.

He left NCSU amid controversy and allegations of wrongdoing in the Wolfpack athletics program.

Although he left under a cloud, Poulton has done much to improve NCSU since he joined the university in 1982.

During Poulton's administration NCSU's budget has doubled from \$210 million for fiscal 1981-1982 to \$437.5 million in the 1988-1989 fiscal year. The enrollment has increased by 2,300 undergraduate students and 643 faculty members, and the average salary of faculty members has jumped from \$28,700 in 1982 to \$46,200 in 1988 on nine-month equated basis.

Poulton established the annual Honor's Convocation in 1986 to emphasize student and faculty academic and scholarly achievements.

One of Poulton's largest projects was the 1,000-acre Centennial Campus. The new part of campus is located south of Western Boulevard. As it is developed over the next 50 years, it is expected to bring together academic and commercial research. Already \$35 million in construction is underway on the new campus.

Fifty projects of campus construction have been completed during Poulton's administration. These include the Carmichael Gym Addition, a research laboratory on Centennial Campus and renovations to existing building.

## Former NFL player Page will speak at convocation

On Wednesday, N.C. State will hold an honors convocation to recognize and celebrate its students' scholarly achievements.

The convocation will be held at 9 a.m. in Reynolds Coliseum.

Classes scheduled before noon will be canceled so students can attend the ceremony. Last year, around 2,300 people attended the third annual convocation.

This year's speaker is Alan Page. He is a former student-athlete, community leader, National Football League player and NFL Hall of Fame inductee.

Page is a graduate of Notre Dame, and Minnesota Universities and is currently an attorney.

University officials are encouraging all students to attend the convo-



Chancellor Emeritus  
Bruce Poulton

Poulton has brought women into top campus jobs. The new deans of the Graduate School and the College of Education and Psychology are women.

Even though he has left under what some call an athletics scandal, he has made changes to improve the academics of athletes.

In 1982, NCSU admitted 42 athletes as special exceptions to the university's academic standards.

These students were predicted to have grade point averages of less than 1.7. The athletics director also was allowed to admit five students who were of high academic risk, but excellent athletes.

That year, of 23 football recruits, only five had predicted GPAs of 2.0 or higher upon graduation. Five had predicted GPAs of 1.0 or less.

In a prepared statement, Poulton said George Dixon, NCSU's director of admissions, wrote a letter to the varsity coaches saying the university does not expect any special exceptions for the 1989-90 academic year.



Alan Page

convocation to support and celebrate the academic achievements of their peers.

— Heather Muir

## Fare-free Wolfline ridership up 100 percent

By Heather Harrelld  
Staff Writer

Students who ride the Wolfline are facing much more crowded buses now than last year.

Ridership is up 100 percent, with the buses transporting 4,000 students on the Avenet Ferry, King Village and Veterinary School routes,

according to officials at N.C. State's Department of Transportation.

The increased ridership is partially due to the elimination of bus fare. Last year students paid 30 cents for a round-trip ticket on the Wolfline.

The Wolfline is now supported through student fees. Each student pays a \$4 semesterly fee for the DOT's transit operation fund. This money is used to contract Raleigh Transportation Systems

and to pay their drivers.

Freshman Robbie Thompson says being able to ride the Wolfline to class has been helpful.

"Because I do live off campus and cannot get a parking sticker, being able to ride the bus is great," he said. "The fact that it's free is even better. This is one of the most helpful services N.C. State has provided for me."

## Country bumpkin ignorant of bagel faults rural education system

As everybody knows, North Carolina's school system ranks dead last as far as SAT scores are concerned, and after graduating from a small rural high school, I really don't find that hard to believe.

I can honestly say that I came to college clueless. I was the country bumpkin on the ninth floor of Lee Residence Hall who didn't even know what a bagel was. Now, I don't know about you, but I would be willing to guess that a kid who had never seen a bagel was the redneck from hell.

Because I have lived through ignorance and lived to tell about it — in proper English, no less — I have appointed myself chief education liaison to the governor.

I am going to tell, tell, tell on Lincolnton High School.

For one thing, nepotism is king. Almost everyone who taught there was related to each other. If you weren't a Reep, Yoder, Hatley, or a local Smith, you couldn't teach unless you

## Jennifer Holland Cruisin'

married into the family or you were born inside the county lines. And regardless of their stupidity, no one gets fired.

Mr. Reep, my eighth grade occupational education teacher, thought it was necessary for us to learn how to put together a carburetor. Sure that sounds normal, but for an all girl class? We didn't even have cars.

I'm sure he expected us to remember how to do it two years later also. Mom would have killed me if I had come home and practiced on her car. For years I prayed that if my car broke down on a dark, rainy night, it would be the carburetor.

The worst academic area was mathematics. There was only one good math teacher, and

she was excellent. But by the time we got to her advanced algebra class, we had slid through geometry and trigonometry so badly that we were clueless on the basics. What a waste of a truly good teacher.

My trig teacher spent most of the class period making crafts and the other half selling them. My geometry teacher stared at the left hand corner of the room for a solid hour. What a waste.

Some teachers gave extra credit for the most stupid things. I got extra credit for decorating a teacher's door. And I got out of class to do it. If you brought a Hardie's biscuit to Mrs. Taylor every morning, you were a shoo-in for the honor society.

The principal and staff had no control over the students. If the football players wanted a pep rally and the principal didn't, the student body did it anyway. The coach's dog, Alex, wandered the halls during class. We held French class on the nature trail every

Wednesday, regardless of whether the teacher was there or not. My senior class was so slack about getting to school on time they had to change homeroom to after second period just so we wouldn't screw up the attendance books.

Of course I didn't complain then. After all, I made an A in P.E. for making posters and practicing cheerleading stunts for Friday night's football game. At State, you have to run a six-minute mile and bench press your mother to get an A.

Don't get me wrong. I love my alma mater. Many North Carolina teachers have the potential to be effective, but they are held back by the bad ones who don't care.

The more we let education slide, the less we care about it. And the less we care about it, the less we prosper.

Think about it, Governor Martin.

## Monday

### Inside

The women's soccer team defeated Maryland at Lee Field Sunday.  
**SPORTS/PAGE 8**

The N.C. Zoological Park in Asheboro and the NCSU Veterinarian Zoo work hand in hand.  
**SIDETRACKS/PAGE 4**

Local muscadine grape industry receives benefits from NCSU research.  
**FRONTIERS/PAGE 6**

### Corrections and Clarifications

A story in Friday's edition of Technician incorrectly said that Faculty Senator Frank Abrams suggested student athletes on Academic Warning I or Academic Warning II be able to compete. He was making a report to the senate on a resolution N.C. State's Athletics Council passed Monday. He was telling the senate the Athletics Council resolution called for student-athletes on Academic Warning II to not compete in their sports. Students on warning I would be allowed to compete, as would students who are in the middle of their season when they go on academic warning.

The last paragraph of the story incorrectly implied the senate would vote on the resolution and then submit it to the chancellor. The resolution was presented to the senate for information purposes, and would be passed on to the chancellor's office whether the senate approved it or not.

A story printed in Friday's edition of Technician incorrectly said Beth McGee is N.C. State's university counsel. She is the chancellor's executive assistant. Becky French is the university counsel.

Technician is committed to fairness and accuracy. If you spot an error in our coverage, call our newsroom at 737-2411, extension 26.

## Schaub freezers shutdown after leak

Continued from page 1

the valve that had been turned off could have destroyed the whole system," said Barnes Mumford, the physical plant's mechanic for heating, ventilation and air conditioning.

Cartwright did not blame the Raleigh firemen for turning the wrong valves. With all their equipment on "they really couldn't tell what was going on," he said.

In order to avoid another building wide contamination, Reynolds said he thought officials would try to move a ventilation air handler away from the ammonia storage units.

At first Public Safety officials thought the leak was an act of vandalism, but "We didn't find any evidence of vandalism or malicious intent," said Public Safety Inspector Ken Reynolds.

Reynolds said he believes a pressurized increase in the ammonia system triggered a relief valve.

He said such safety devices are built into any pressurized system but "I was told that this system was not supposed to have one."

Units responding to the incident included Public Safety Officers and Life Safety Services Inspectors, Hazardous Materials Technicians and a Hazardous Materials

Manager. Three Raleigh Engine Companies and two Raleigh Ladder Companies responded along with Raleigh's Hazardous Materials Rescue Unit.

A Special Response Unit, used in large scale emergencies for extra supplies and as a command center, also responded just in case it was needed.

### Phi Beta Sigma Week

Phi Beta Sigma presents The 3rd Annual Sigma-Week.

**Monday October 2, 1989**  
An African-American Cultural Awareness Film  
7:00 p.m. NCSU Cultural Center

**Tuesday October 3, 1989**  
Discussion on Black Male-Female Relationships at NCSU.  
7:00 p.m. NCSU Cultural Center  
Come out and voice your opinion!!!

**Wednesday October 4, 1989**  
Fraternity Basketball Tournament  
7:00 p.m. Carmichael Gymnasium

**Thursday October 5, 1989**  
Block Party 4:00 p.m.-6:30 p.m.  
Smoker Harrelson 107 7:00 p.m.

**Friday October 6, 1989**  
Party-Stepshow NCSU Cultural Center  
10:00 p.m.-2:00 a.m.  
\$1 before 12 midnight \$2 after 12 midnight

## FYI

Oct. 2, 1989

### IMPORTANT DATES AND ANNOUNCEMENTS

**ATTENTION SENIORS:** Students interested in organizing or helping with December Commencements for 1989 graduating seniors can sign up at 201 Patterson, 106 Caldwell or 201 Winston. Student support is needed. For information, call Dawn Oslund at 469-0714.

The NCSU Chapter of the Earthday 1990 Coalition will meet on today 7:30 p.m. in room G111 Caldwell Hall. John Wierwille of Greenpeace will present the video "Ecology and Action" and lead a discussion afterwards about environmental issues. For more information, call Paul McKenzie at 832-7349.

In celebration of the 100th birthday of the NCSU Libraries, there will be a moratorium on all library fines for books on regular loan — no matter how long they have been overdue! So if you have overdue books, bring (or mail) them in and clear your record and conscience at the same time. The amnesty runs today through Saturday.

Students interested in going to Washington for the Housing Now March for affordable housing for the homeless on Saturday need to contact Sarah Shutt of the Volunteer Services office. Interested persons can stop by room 3112 of the University Student Center or call 737-3193.

### ATTENTION UNDERGRADUATE SENIORS:

All requirements for fall graduation must be met by 5 p.m. Dec. 19. These include clearing financial or library holds, transferring credits and removing incompletes.

### LECTURES

Jerry A. Fodor will be giving a lecture at 4 p.m. today in the Ballroom of the University Student Center. Admission is free. His lecture is titled "Connectionism and Cognitive Architecture."

Joe Mastro of NCSU will give a lecture entitled "Soviet Union — Recent Changes" on Thursday from 12:30 p.m. to

1:30 p.m. in the Walnut Room of the University Student Center. Drinks will be provided.

### SPECIAL EVENTS

A Student Health assessment will be given at the Student Center Plaza on Friday from 10:30 a.m. to 2:30 p.m. Activities include cholesterol screening and measurement of height, weight, percentage body fat, blood pressure, strength, and flexibility. There will also be information on fitness and weight control. For more information, call Marianne Turnbull at 737-2563.

Compiled by Jay Patel

### Fall Runoff Results

**Senate**  
Engineering-Shannon Carroll  
CHASS-Nicholas Ivester  
Judicial Board-John R. Dalton

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Dinner 4pm til 5pm

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The NUMBER ONE chamber orchestra in America

## Victor Borge

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November 10 and 11, 1989

"The master funnyman of the age." - Time Magazine

## San Francisco Girls Chorus

Elizabeth Appling, Artistic Director  
Friday and Saturday  
January 12 and 13, 1990

"Move over, boys, for a new angelic sound." - San Francisco Chronicle

## Shalom '90

Friday and Saturday  
February 23 and 24, 1990

A company of 75 singers, dancers, and musicians from Israel

## Vladimir Feltsman

Friday and Saturday  
March 23 and 24, 1990

One of the most sought-after pianists in the country

## Moscow Philharmonic

Dmitri Kitaenko  
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March 30 and 31, 1990

One of the most outstanding orchestras in the world

## Sherrill Milnes

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Friday and Sunday  
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Acclaimed as the world's finest operatic baritone

Performances are held at Reynolds Coliseum at 8:00 p.m.

Admission is FREE to all NCSU Students and one (1) guest. Student tickets are available upon presentation of a valid All-Campus card at the Stewart Theatre Box Office.

# NCSU celebrates 100th anniversary of opening of doors

Continued from page 1

administrations of five presidents and eight chancellors, the campus has grown to more than 1,500 acres of land and more than 100 buildings.

Many buildings have changed their campus functions. The 1911 building was once the main residence hall, Winston Hall, where several humanities departments are housed, was one the home of the engineering program.

By the early, 20th century, NCCA & MA

was beginning to be known as State College. Progressive southern attitudes were responsible for new curricula. A summer education program for teachers and principals was formed.

The admittance of women as students to State was strongly debated in the early 1900s, but it wasn't until 1921 that the first female student enrolled at NCSU.

She was Lucille Thompson, a transfer student from the Women's College at Greensboro. She studied electrical engineering only until her junior year because

she was not allowed to return for her senior year.

NCSU's first athletics team colors were pink and blue. The wolf was proposed to be the official mascot of NCSU under the administration of Col. John William Harellson in the 1920s.

When asked whether he liked the idea of having a wolf as mascot, he said, "The only thing lower than a wolf is a snake."

When the resolution was brought to a vote, it passed, thus giving birth to the Wolfpack at NCSU.

On March 27, 1931, the General Assembly passed a bill which consolidated all the public institutions of higher learning into what is now the 16-campus UNC system. The bill provided more money to NCSU.

N.C. State College became N.C. State University in 1961.

NCSU and UNC-Chapel Hill are the system's flagship universities.

In 1986 NCSU issued plans for its new Centennial Campus. The 1,050 acre tract is designed to be a research-academic city

blending corporate and campus research. NCSU officials expect to finish it around 2040.

Today, the university is organized into eight colleges and two schools. Academic programs are offered in 89 fields leading to baccalaureate degrees, 75 leading to masters degrees and 48 leading to doctoral degrees.

Tuesday, NCSU will celebrate the centennial reopening of its doors to the public.

Celebrations will be held on Tuesday from 6-8 p.m. at Mary E. Yarbrough Court.



Solu Joy/Staff

## Put me in coach!

Coleman Pavia knows practice makes perfect. The youngster can hardly wait to grow up and be an all-ACC soccer player for the

Wolfpack. Coleman enjoyed the warm weather and sunshine while it lasted last week.

## Engineering faculty win NSF awards

By Ven Carver  
Information Services

Two N.C. State engineering faculty members have received prestigious awards from the National Science Foundation.

The recipients are Umesh Mishra, associate professor of electrical and computer engineering, and H. Henry Lamb, assistant professor of chemical engineering.

The Presidential Young Investigator awards are given annually by the foundation to bolster the efforts of young researchers at colleges and universities. Selection is based on research proposals submitted by candidates as well as other criteria.

Each award carries a grant of \$25,000, renewable annually for up to five years. Each recipient is also eligible for up to \$37,000 annually in additional funding, provided matching money is found from private sources.

Mishra, 31, specializes in solid state electronics. He said his grant would be used to assist his work in developing a high electron mobility transistor — a transistor that will operate more rapidly than conventional microelectronics devices.

Lamb, also 31, plans to use his grant to further his research in surface organometallic chemistry. In industry, organometallic compounds are used to form metal contacts on the silicon surfaces of microelectronics devices and to prepare catalysts like those used in automobile exhaust converters. Organometallic compounds contain organic and metallic components.

Lamb said one area he would study is the interactions of organometallic compounds with the surfaces of such semiconductors as silicon and with insulators such as silicon dioxide.

Mishra said he is also interested in vacuum microelectronics, a new field that would utilize vacuum tubes shrunk to sizes smaller than most semiconductor chips.

"In a vacuum, you can accelerate electrons to a high speed and they don't collide with other material, as they do in a solid state device," he said. "The potential is there to really revolutionize the field of microelectronics."

Mishra, a native of India, received a bachelor of technology degree from the Indian Institute of Technology, a master's in electrical engineering from Lehigh University and a doctorate in electrical engineering from Cornell University.

Before joining the NCSU faculty in 1988, Mishra was head of advanced devices at Hughes Research Laboratory in Malibu, Calif., where the high electron mobility transistor was one of his projects. In the mid-1980s, he was an engineer with General Electric. He assisted in the development of the solid state devices used to receive the signals sent by the Voyager 2 space probe on its recent swing by Neptune.

Lamb, a native of Garland, received his bachelor's degree in chemical engineering from NCSU and his doctorate from the University of Delaware. He joined the NCSU faculty in 1987.

Women's Student Concerns Advisory Board will sponsor a forum Tuesday from 4-5:30 p.m. in Caldwell G107. The topic will be advertising's role in exploiting women.

## HAD ANY LATELY?

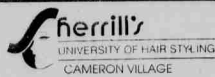
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## When we finish a project, we celebrate.

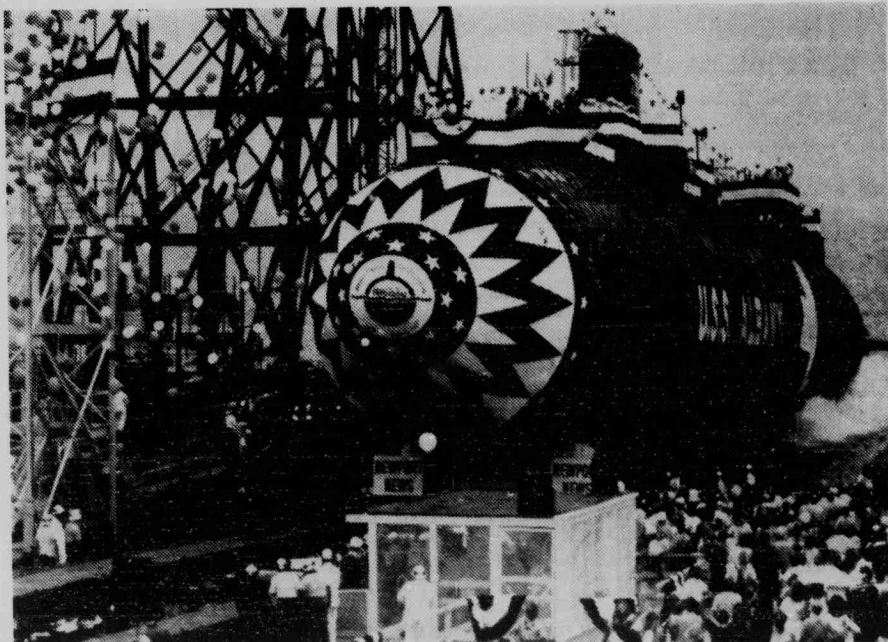
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## N.C. Zoo helps vet students

The Asheboro Zoo opens windows and cages for students to explore the animal kingdom

By Meredith Ryan  
Staff Writer

"Lions and tigers and bears, oh my!" and snakes and birds and fish and monkeys. No Dorothy, you're not in Kansas anymore, you're at the North Carolina Zoological Park in Asheboro.

But what does the N.C. Zoo have to do with N.C. State? The NCSU Veterinarian Zoo and the N.C. Zoo have found a working relationship that benefits not only both institutions, but the animals and students as well.

Graduate seniors in the College of Veterinary Medicine are offered the chance to participate in an inter-

ship program that allows them to gain hands-on experience while earning credits toward graduation.

Some students travel to other areas like the San Diego Zoo in California or The Center for Disease Control in Atlanta, but because of location and familiarity, eight to 10 students per year choose to apply and are accepted by the zoo to participate in its program.

For one month, the students work with the zoo, caring for the animals and doing research in the zoo's new facilities and laboratories.

The university and the zoo have an official agreement that states that the College of Veterinary Medicine will go to the zoo and help out with

any sick or injured animals. "This relationship is a necessity because there is a lot of expertise available at the vet school and there is such a diversity of animals at the zoo," Torgerson says. "This is one of the better, if not best relationships with a veterinarian school in the country."

Dr. Donald Howard, associate dean of academic affairs at the College of Veterinary Medicine, agrees that the relationship is ideal. "One aspect of veterinarian medicine is to give a window to our students, and the N.C. Zoo is the closest and best resource available in order for us to carry that ambition out," he says.



Swayze Hall/Staff

The NCSU College of Veterinary Medicine, located at 4700 Hillsborough Street, offers veterinary students opportunities to observe animals at different zoos around the country.

## Mona Lisa disintegrates with the flash of every camera

By Tor Blizard  
Assistant Features Editor

Editors note: While traveling through Europe, assistant editor Tor Blizard got a glimpse of DaVinci's Mona Lisa and was appalled by what he saw

Witnessing some of the greatest pieces of art in the world famous Louvre in Paris is not always what you would expect. Last summer, in my own personal journey through the great building, I experienced emotions which I never thought I would.

As I stood in the long line extending out of the Louvre's huge doors, a naive notion commanded my mind: behind those doors lie visual images exemplifying great human achievement.

Yet what exactly did I find? True, the fantastic art transformed what would simply be cold, dark and empty rooms into rooms which overflowed with the air of humanistic progress. But something else existed. Something quite distant from any sign of progression. The Louvre, in spite of all its glory, housed a parasite that was a man.

As I entered the magnificent museum, flees and leech-

es were certainly the furthest things from my mind. However, I did feel the white marble men, often in their birthday suits and it definitely failed to warn me.

Emotionless stares, and lifeless poses of statues seldom sparked my desire to interact with this type of art. Blocking my mind was this anguished image of a sculpturer slowly chipping away rock, enslaved by his own desire to shape an image in stone.

Once through the sculptures, I eagerly entered the painting section, my personal artistic preference. Somehow, these paintings drew me in. At first, I would sense the artist and the flow of his brush against the canvas.

Silence fell around me despite the constant scurry of feet and monotonous murmur of foreign voices throughout the museum. Then the painting sucked me into the scene which it portrayed, absorbed me and then surrounded me. I felt as if I had become part of those paintings.

I went through this process with each work that caught my eye, whether it was a war scene, a biblical scene, portraits or just some common occurrence on a street from the past. However, as I approached one of

the most famous works known to man, this intense concentration was shattered by an unruly ruckus.

Emanating from a room offset from one of the major walkways, this unnatural disturbance surprised me. Yet I somehow knew this indicated what was to follow: Leonardo DaVinci's Mona Lisa, the museum's primary attraction. What I did not expect to find was the commotion that enveloped her.

Once entering the room it's hard not to feel as if you've taken the wrong turn. Somehow it seemed as if I stood in a strange foreign country where people packed in lines, fighting to the front just to get some food.

An encased Mona Lisa provided the food for these hungry souls; at least a 150 bodies pressed together across the width of the room, no more than 40 feet wide.

Much like warring ants, they clambered over each other, pushing, screaming, shoving, shouting. Two guards stood beside the case, seemingly disinterested in any of this.

Then like a shot, a camera flash went off. Suddenly, the two guards sprang to life screaming: "N'emploie pas allumiere! No flash!" This was then followed by

another burst of light, then more screaming by these "flash busters" in many different languages: German, Spanish and even Japanese.

The whole process was odd; with one flash the steady rumble of the crowd would burst into an intense wave of screaming (by the guards), then more flashing, then screaming, then silence.

What was it that moved these people to use their flashes? On both sides of Mona, two signs pictured a camera flash with a red line across it, underneath read "NO FLASH," and of course standing beneath these signs were those screaming flash busters.

Why did the crowd seem so oblivious? Didn't they understand those rules served a significant purpose? Were they unaware that with each flash a destructive reaction to the canvas caused the Mona Lisa to age prematurely?

Without trying to answer these questions, I soon became very depressed and angry — two emotions I had not planned on experiencing while in the Louvre. My anger stemmed from what I had seen.

My eyes led me to this rage: seeing these people who

See MONA, Page 5

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# Mona will soon be gone if uncaring attitude of tourists does not stop

Continued from Page 4

refused to listen, refused to show their respect. I wanted to sit them all down and lecture them as an adult does with a disobedient child. But my depression dominated my anger. Why could those who were flashing not realize that they were forever damaging something they so eagerly wanted to see? Their selfishness and ignorance eclipsed

any sense of responsibility. I felt sorry for each and every one of them. But nothing compared to the overwhelming sorrow I felt for the lady herself. For it was Mona who would suffer the most. I left the great museum carrying a great bag of emotions which I did not want. I did, however, take one glimmer of hope with me: I thought to myself, maybe someday the staff

of the Louvre will become so infuriated with this situation that they will begin confiscating camera flashes at the entrance of Mona's room. If they fail to do so, then it is likely that Mona will slowly begin to disappear. And the mystery of her smile, which has for so long drawn us near to her, will then be lost forever.

## Pre-Law club gives students the scoop on law

Special to Technician

Believe it or not there is more to N.C. State than engineers and computer scientists. There are the arts, speech and ... law. And the NCSU Pre-Law Club is dedicated to helping students interested in attending law school after graduation. According to club president Laura Edgerton, many NCSU students in technical fields tend to forget about students in political science and other humanities curriculums. "The club's major purpose is to serve as a support group for other political science students," Edgerton said. About 60 students showed up at the first meeting, she added. The club doesn't collect any dues, and is financially supported by a grant from the College of Humanities and Social Sciences.

"Students interested in law just don't know where to go on this campus," said Dan Palece, secretary of the club. "We have speakers come in from Duke, Carolina and other law schools to talk about what you have to do to get in and the different kinds of law there are."

The club meets once every three weeks. A seminar is scheduled for Wednesday at 4:15 p.m. in Caldwell G107. Law school representatives from Duke University will visit and discuss the process of entering law school and how to improve chances of being accepted.

On November 3, the club will take a trip to UNC-Chapel Hill to visit the law school. "The greatest advantage to the club is that students get to meet with other students in the same situation," Palece said. For more information about the NCSU Pre-Law Club, call 851-8637.

## Cash in on creativity

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The third annual Southern Classics Poetry Contest is offering \$1000 in cash prizes to new poets and professionals who enter this distinguished competition. Besides the prestigious \$500 Grand Prize, there is a \$250 First Prize, a \$100 Second Prize and three Third Prizes of \$50 each. All poems will be considered for publication in the 1990 American Anthology of Southern Poetry. Winners will be notified by January 1, 1990. Every poet who enters this contest will receive a free subscription to Poetics, the dynamic newsletter of Great Lakes Press, which profiles contemporary poets, reports on the latest devel-

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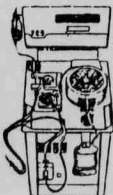
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# The Future of computer programming: Fourth Generation languages

Faster and more efficient than their predecessors, fourth generation languages are replacing Pascal and Fortran as the programming tools of tomorrow

First there was do-it-yourself automobile repair. Then there was do-it-yourself home repairs. Now there is do-it-yourself computer programming. Amateurs are jumping at the chance to write their own software.

These untrained programmers come from the ranks of businessmen, engineers, accountants, scientists and students. They use fourth-generation languages (4GL), which in the future could replace third-generation languages like Cobol, Fortran, ADA and C as the most popular programming languages.

As well as opening up programming to amateurs, the new languages offer increased productivity to trained professional programmers, according to associate head of the N.C. State computer science department, Tom Honeycutt.

Instructors in CSC 200 demonstrate the increased productivity of 4GLs, said Honeycutt. They match a third generation language against a 4GL in a typical job, like setting up a computerized accounting system. The 4GLs require much less work to complete the job.

Though the instructors illustrate the increased productivity of 4GLs, the students learn a third-generation language, Pascal. Because many computer science majors do not take CSC 200, they have never

even heard of 4GLs by the time they graduate, Honeycutt said.

People should learn more about 4GL programming because that is what industry is using. "After a certain amount of time, people writing in third-generation languages will be losing out," he said.

Computer science professor Jon Mauney preents that the department will not make a 4GL its primary teaching language anytime soon. The department requires a general purpose language for teaching basic programming concepts, he said.

The 4GL languages are very specialized

with many aimed at certain professions. Industrial engineers use a 4GL called SLAM to simulate production lines and factory operations, said Jon Kerfoot, a computer science senior who has used SLAM. Accountants use electronic spreadsheets like Lotus 123 for simple calculations or for creating complete accounting systems. Businessmen use dBaseIII for inventories and customer files, while many researchers use SAS for statistical analysis.

According to Honeycutt, SAS is a perfect example of a 4GL. It provides excellent statistical computer routines and graphing capability, freeing people to think about the problem and forget about the programming. In fact, the people who

use it often have neither the programming skill nor the statistical skill to write the routines themselves.

Like many 4GLs, the routines of SAS were written in lower level languages. Today, most SAS routines are written in C and assembly language, Honeycutt said.

Before it is actually run on the computer, a program must be translated into lower level languages. In general, a line of code in a 4GL may produce hundreds of lines of code in a third-generation language, Honeycutt said.

Honeycutt defends using previously written code, because it simplifies the programming task and allows greater productivity. "After so many times of writing the same code, it's asinine to write it over again," Honeycutt explained. Mauney said programmers in industry should look for previously written code rather than writing their own software.

Using 4GLs still requires learning some programming commands. "In a sense your programming it, but you don't have to know anything about the low levels of programming," Aiken, the operator of Starfleet BBS, said.

Not all 4GLs are easy to learn, though. For example, the main manual for SAS is over 1200 pages. Then there is a SAS statistics manual, a graphics manual, a manual for personal computers and a manual for SAS matrix language.

If programmers need more flexibility than a 4GL provides, they must use lower level languages. "Some programming languages by their nature are very low level, like assembly languages. One of the features of assembly languages is that you can do anything. It's flexible," Aiken said. "With C or assembly language, I can access any bit or byte in the machine."

Though flexible, low level access can cause problems for inexperienced programmers. "You get lost if you start digging in low level stuff. You can't see the forest for the trees," Aiken said.

Some computer scientists call the talk of fourth-generation languages all hype and just a marketing strategy. In fact, most of the concepts employed in fourth-generation languages are not new. Third generation languages contain some of the same features, especially the very high level languages like C++. He added that libraries of routines, such as graphics, windows and databases, have long been standard features of languages like C.

The distinction between application software — like wordprocessors, electronic spreadsheets and 4GLs — and very high level third-generation languages is blurred. Many products like Lotus 123 and dBase III can be used as either an application or a programming language.

With end users developing their own software, they can make it fit



Don Munk/Staff

Tom Honeycutt, associate head of the NCSU computer science department

their desired ends more specifically, said James Martin, author of several books on 4GLs. They can maintain the program and change it to fit their changing needs. Since they are using standard routines which fit together, more people can work on a development project.

4GLs and better applications will not eliminate the job of programmers. We are "still converting a lot of things to computers that have been done manually," Aiken said. And people continue to think of bigger and bigger problems for computers. The ability to program has not caught up with the new applications for programming.

## Local Muscadine Grape industry to benefit from NCSU

From Staff Reports

An N.C. State engineer is designing a pruner for muscadine grapevines, using ultrasound to guide the cutting blade.

And an NCSU food scientist is studying ways to improve muscadine grape juice — already sold in stores in Mississippi.

Both projects, funded by the N.C. Grape Growers Council, could have a substantial impact on the economic growth of North Carolina's grape industry.

Dr. Roger P. Rohrbach, professor of biological and agricultural engineering at NCSU, says he has developed a prototype of a pruner that uses ultrasound as the guidance system and currently is working on the control system.

"The research is motivated by the prospect of improving labor effectiveness to the growers," said Rohrbach, who has a \$15,000 grant for his research. "Our job is to develop a mechanical pruning system in which the capital costs are a bargain in relation to labor costs of hand pruning."

Pruning of the muscadine grapevines, which grow profusely, is necessary to maintain the highest levels of productivity.

Using ultrasound as a pruning guidance system is a unique application, although "ultrasound as a guidance system is not new," Rohrbach said. "Bats do it naturally. Polaroid uses it in self-focusing cameras."

Semi-automated mechanical pruning systems, such as the sickle-bar types and air compressor-assisted hand shears, are used by commercial grape growers. But guiding the pruner to the area to be pruned is done manually by sight. Rohrbach's method would completely automate the pruning.

"The ultrasound detector makes a 'chirp' (at a frequency above human hearing) and then listens for the echo," Rohrbach said. It has the potential to keep the blade within an inch of the cutting pattern. The location and size of each vine is determined by the intensity of the echo and echo lag, or the time it takes the echo to travel from the object.

Research conducted by Rohrbach and Dr. Charles M. Mainland, NCSU professor of horticultural science, at Cville Hayne Horticultural Crops Research Station during the past seven years, has indicated the grapevines can be cut in a hedging pattern designed to accommodate an ultrasound-guided mechanical pruner without any ill effects on quantity and quality of the grapes.

Muscadine grapes, which are native to North

Carolina, were grown commercially in the 1800's, but the industry was wiped out by Prohibition in the 1920s. Renewed interest in growing the grapes for wine developed in the 1960s and by 1971 the industry had grown to a \$500,000-a-year business.

However, the industry has grown little since then. Today, 82 commercial growers in this state produce 15,000 to 18,000 tons of grapes on about 730 acres for a \$600,000 industry annually, according to the grape growers council. Most muscadine grapes grown commercially are pressed for wine, sometimes labeled "scuppernon."

The grapes also make distinctive jellies, jams, and juice. For the past several years, a company in Mississippi has been processing, packaging and marketing grape juice made from muscadine grapes grown here. North Carolina growers last year sold 1,200 tons of grapes at \$200 a ton for juice production in Mississippi. So far, the only grape juice made locally is in home kitchens.

Dr. Daniel E. Carroll, professor of food science at NCSU, has a \$13,000 grant to study ways to improve processing, packaging and storage stability of muscadine grape juice.

"So far we are encouraged by the high quality of the juice. It looks as though it has good storage stability," Carroll said. His goal is to be able to store the grape juice for periods of a year or more on supermarket shelves and in home pantries.

The problem is that during prolonged aging there is flavor loss, a darkening in color and loss in sensory quality. Carroll hopes to minimize that loss through improved processing and harvesting.

To achieve the best results, he is studying the grapes acidity, sweetness and flavor intensity. Grapes picked at the right time, he said, yield a juice that retains its flavor longer.

Carroll said he has been successful in packaging the juice for long periods of time both in glass and aseptic containers, similar to those used for other fruit drinks.

Juice packaged in aseptic, or pre-sterilized, containers will not spoil from microorganisms, he said. Juice packaged in glass containers is conventionally pasteurized and will last a long time. The question in both glass and aseptic containers is how long the juice will retain its peak flavor and light color.

"The juice is uniquely flavored," Carroll said. "It tastes different from any other grape juice. It's very distinctive. It has a tart and uniquely fruity flavor. Most people like it."



File Photo

## New modification allows researchers to flex fabrics exposed to high temperatures at different speeds

From Staff Reports

Firefighters don't go into burning buildings without first donning their turnout coats — the heavy yellow garments regularly seen in TV news footage.

But if they encounter something unexpected, such as a flash fire or a fall through a skylight into a blazing attic, how much protection will the coats provide?

"With space-age materials, we can buy firefighters extra seconds," said Dr. Roger L. Barker, professor of textile engineering, chemistry and science at N.C. State. "We know that no material flexible enough to move around in is going to provide indefinite protection."

For more than a decade, Barker has been studying fire-resistant fabrics to assess their effectiveness and to learn more about the properties that enable them to repel heat. He and his colleagues recently reported on the techniques they use to conduct their test at the American Chemical Society's semiannual meeting in Miami.

The lab Barker and his associates work in is equipped with a device called a thermal protective performance tester. This apparatus allows researchers to subject fabrics to intense heat, sometimes exceeding 1,000 degrees Fahrenheit.

To add another dimension to their tests, the researchers made an innovative modification to the tester last year.

"We've developed a device that not only measures what happens to the material when it is exposed to heat," Barker said, "but it will also flex the fabric at different speeds to simulate what happens when the wearer is walking, jogging or running."

This is an important consideration, he said, because the fabric's response to a test in a static laboratory environment is often quite different from its performance under field conditions. For example, a protective garment subjected to extreme temperatures might tear at the knee or at other stress points, causing serious burns for the wearer.

"We've probably got the best academic-based facilities in the US for evaluating these fabrics," Barker added.

Barker and his colleagues deliver two papers at the chemical society's meeting. One paper, which Barker delivered, is a review of the laboratory procedures used to measure the effectiveness of heat-resistant fabrics and protective clothing. The other paper, delivered by doctoral candidate Amotz J. Geshury, concerns the device developed at NCSU to test the effect of mechanical stress on the fabric.

The two men are listed as co-authors on both papers, along with a collaborator, W.P. Belinke, a research fellow with DuPont and an adjunct associate professor in the NCSU college of Textiles.

DuPont, which is helping finance the research at NCSU, is one of the leading

## Researchers improve method used to test fire-resistant fabrics

manufacturers of fire-resistant fabrics. The company produces aramid — a material when it is exposed to heat, a polymer fiber that requires no chemical additives to become fire resistant — under the brand names Nomex and Kevlar.

A typical turnout coat, Barker said, might be three layers thick. The thin outer layer would be made of woven Nomex III, a middle layer would be made of water-resistant material such as Neoprene and the thick innermost layer would be made of a felt-like composite of Nomex and other fabrics.

An important thing to remember in conducting the tests, Barker said, is that the ultimate purpose of the fabric is protection.

"The ideal is not to assure the survival of the material, but to assure the survival of the wearer of the material," he said. "Sometimes, if the fabric is charred, that actually enhances its insulation properties, so that's good."

Barker also wanted to underscore the reason for conducting the research at NCSU — to glean basic knowledge about the behavior of fire-resistant fabrics.

"We're not just interested in assessing whether this or that fabric provides so many seconds of protection," he said. "We're also interested in finding out why the fabrics respond the way they do."

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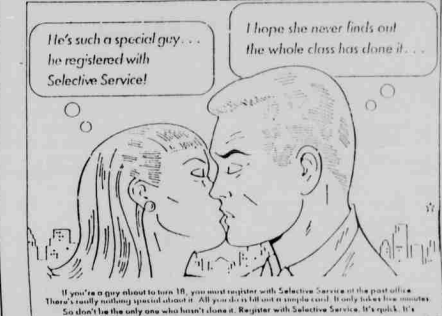
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## TONITE In Person Video Artist Laura Kipnis Presents "A Man's Woman" A Pungent Satire of Sexual Politics

LAURA KIPNIS, Chicago video artist brings her witty, satirical A MAN'S WOMAN to the Erdahl-Cloyd Theatre in the D.H. Hill Library, 8 pm on Monday, Oct. 2; free admission. A cutting and often hilarious examination of traditional gender roles and women's issues, A MAN'S WOMAN takes the form of a report on the life of a fictitious right-wing anti-feminist ideologue named Clovis Kingsley.

merge kinky sex and traditional Christian values. While her book opens with a proto-feminist question -- "How are women to achieve power in the world?" -- her answer is by making themselves more acceptable to men, to fighting the women's movement, insisting that feminism does women more harm than good. Now Kingsley, the most controversial woman of the decade, has been gunned down by an unknown assassin during a speech about husband rights.



Laura Kipnis

sation between the reporter, who is herself ambivalent about feminism, and her boyfriend, a somewhat insufferable male feminist. The interviews and flashbacks present a contradictory and fractured account of Kingsley's life and ideological mission, her relation to the male establishment and her overriding ambition to affect history: it is a précis on the formation of political identity and on the genealogy of the anti-feminist movement.

The program also raises many questions pertaining to feminism as well: What keeps feminism from becoming a mass movement? What motivates Clovis's supporters toward the right instead of the left? Does feminism end up being one more index of female failure for women who are outside its scope of address?

This video is Kipnis' latest and most ambitious work. She appears as a visiting artist on the 1989-90 Southern Circuit media tour, sponsored by the South Carolina Arts Commission with support from the National Endowment for the Arts, the Southern Arts Federation and local co-sponsor, the UAB Films and Lectures Committees.

The program opens with the assassination of Clovis Kingsley, a powerful pro-family anti-feminist right-wing ideologue who has built a successful career out of insisting that women's place is in the home. Kingsley is the author of a book called The Power of Total Submission, which promoted traditional gender roles, submission to men, and trains wives in how to

A television news reporter is assigned to produce a series of reports on Kingsley's life supporters, family and hairdresser, who recount various episodes in her career. The interviews dissolve into flashbacks which reveal Kingsley in private and public moments.

The majority of the program is composed of these interviews and the subjective flashbacks of the interviewees; the reporter's on-camera reports of her expose of Kingsley; various other off-screen commentaries and voices; a French psychiatrist who expounds on women's relation to power as embodied in their relation to the phallus; intertitles; and a running conversation

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-cruise director

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## Faust's a jerk and a big mouth

Kent State's Dick Crum almost continued his undefeated streak in Carter-Finley stadium Saturday night.

N.C. State's football team showed up to play during the third quarter

to put those pesky flashes in their place, however.

It's been a rough season for the former UNC coach, as his team has gone 0-4. At least he's collecting two paychecks.

One of Kent State's losses was to former Notre Dame class act Gerry Faust at Akron.

After the Akron Zips defeated the Golden Flashes, Faust blasted Crum, saying he was a poor coach using an inexperienced team as an excuse.

Faust also instigated a sit-down strike in front of the referees' door after a game. He said he merely wanted to have a friendly discussion with the refs while he ripped their heads off.

What does Kent State's mascot look like, anyway? Is it a man running around in a yellow rain coat with his slits showing?

The big story in college sports lately is the role of the student-athlete at universities.

Are these people students who play sports, or are they people who make money for the university by playing sports and putting academics second?

It seems to me the universities should take a closer look at themselves.

I've had plenty of professors who put students and teaching second and their own research first.

Funny how that sort of makes money for the university at the expense of students.

So what's the difference between me and Charles Shackelford, or an engineering professor and a basketball coach?

The public spotlight, and that's about it.

If coaches are held responsible for graduation rates, shouldn't professors be, too?

What's the difference between a coach who graduates forty percent of his players and a professor who flunks sixty percent of his students?

Of course, there are exceptions to the rule. Some coaches — I'd like to think most — are concerned about their athletes as students.

I also have had some professors who were teachers and were concerned about students like me.

But if the universities are so strong out about academics, they should take the time to look throughout the whole university and find areas other than athletics that could use improvement, too.

State once again had a poor turnout for a home football game Saturday.

The crowd of approximately 35,000 was treated to a free cold shower for most of the game, officials who graduated from Kent State with money bet on the Flashes and an opportunity to see a Midwest power run the wishbone offense (no, Oklahoma doesn't run that anymore, and Kent State really isn't much of a power).

Is it any wonder the stands weren't overflowing?

Perhaps there might be more people if there was a way to get tickets for the games.

I understand the university doesn't want students to get tickets so they can sell the leftovers to the hungry public, but I didn't exactly see lines for those hot Kent State tickets.

Since the students have already bought their tickets in essence through tuition, wouldn't it be fair to let the students claim the tickets all the way up until game time?

The university could give the students priority for three days (Monday to Wednesday), then

See IMPROVE, Page 9

# Wolfpack remains cool, defeats Flashes



Freshman Aubrey Shaw, on his first collegiate carry, ran in 48 yards for a fourth quarter touchdown in State's victory over the Kent State Golden Flashes. State had 216 yards on the ground in the contest.

By Bill Overton  
Staff Writer

Sometimes the final score doesn't reflect the difficulty of the game.

That was the case as N.C. State defeated a cool, steady rain and a hard-working Kent State team 42-22 Saturday night at Carter-Finley Stadium. The Wolfpack overcame an option offense which gave coach Dick Sheridan his share of headaches.

"That type of option isolates the one player out there on the pitch, and if they block they get yards on the pitch," Sheridan said. "You have to give Kent State credit. We could sit here and complain about the way we played, but they were probably the smartest team we've played all year."

The heavily favored Pack found out that the Golden Flashes were for real on the game's very first possession. Starting at their own 37-yard line, they ran 63 yards in seven plays, as Randy Perine scampered up the right sideline for a 22 yard touchdown and a 7-0 lead.

After cutting the lead to 7-6 on two field goals by Damon Hartman, the Pack started to sustain solid drives. In the second quarter they marched 57 yards in four plays as quarterback Shane Montgomery hit Chris Corders with a 36-yard touchdown strike.

The Pack took the lead, but Hartman missed the extra point to break a string of 58 consecutive extra point conversions.

This was only the beginning of State's kicking woes for the night. The kicking game seemed to worry Sheridan.

"We had more mistakes in the kicking game the last couple of weeks than we've had in a whole year before," Sheridan said. "I can't remember the last time we had a PAT, field goal and punt blocked in the same game."

The Wolfpack increased their advantage to 11 points after Billy Ray Haynes batted down a pass right into the hands of linebacker Bobby Houston at the Kent State nine yard line.

Montgomery then hooked up with tight end Todd Harrison for six yards and Harrison's first touchdown of the year to make the score 18-7. The two-point conversion attempt failed.

Just when it seemed that State was running away with the game late in the second quarter, Kent State produced an 84-yard drive as quarterback Patrick Young completed a seven yard pass to Shawn Barnes for the touchdown.

Young then swept right for the two point conversion to cut the lead

See JOHNSON, Page 11

## Spikers sweep Yellow Jackets, lose to Clemson Tigers

By Joe Johnson  
Staff Writer

The N.C. State volleyball team took to the road for a trio of matches this weekend.

On Friday evening, the Wolfpack captured its first conference victory of the season by defeating the Yellow Jackets of Georgia Tech in three games by 15-9, 15-4 and 15-12 scores.

According to State assistant coach Leigh Anne Barker, the entire team played and contributed in the win against Georgia Tech.

"It was a very satisfying win for us," Barker said.

Saturday's match against Clemson was an entirely different story, however.

"We came out very tentative in the first game, and Clemson was able to take advantage of it," Barker said.

The Wolfpack dropped the opening game by a score of 8-15. State, however, bounced back to take the next two games by scores of 15-9 and 15-13.

Clemson took the fourth game of the match 15-7, setting up the fifth and deciding game. The fifth game was played under the new, experimental fifth-game rule implemented by the ACC this season. With this rule in effect, a point is scored at the end of every rally no matter which team served the ball.

State fell to Clemson in this abbreviated game by a score of 13-15.

"The rule really didn't affect us," Barker said. "We play to win in three or four games,

so we were not too concerned with the rule." After the match, many of the State fans who made the trek to Clemson expressed dislike for the new rule.

The loss to Clemson marked the Pack's first loss in 12 straight regular season ACC matches.

State rallied in the second match of the afternoon to defeat East Tennessee State in four games (15-6, 15-6, 6-15, 15-9).

"We recovered really well after the Clemson match," Barker said. "Our defense played well, and we were able to get our passes down."

This was a tough weekend for the Wolfpack on the court, as well as off.

Both of State's primary setters were slowed by injuries on Saturday. Alice Commers bat-

led an eye infection that flared up during the Clemson match, while Kim Scroggins was hampered by a sprained ankle.

And then on the way back home, the team bus broke down in Greenville, S.C. The squad finally made it back into Raleigh about 4 a.m. Sunday morning.

State's record now stands at 7-5 overall and 1-1 in the conference.

The team returns to action on the road Tuesday night against the Tar Heels of UNC in Chapel Hill for what counts as a non-conference match.

"We have to come out strong against Carolina," Barker said. "Carolina always plays us tough, and for us to win, we will have to carry the momentum throughout the entire match."



Wolfpack goalie Lindsay Brecher stops another shot in State's 4-3 overtime loss to Colorado College Friday. The Pack bounced back to rout the Maryland Terrapins 7-0 Sunday.

## Hooper scores four goals as Pack routs Maryland

By Tim Zettel  
Staff Writer

The N.C. State women's soccer team defeated Maryland 7-0 on Sunday after losing to second ranked Colorado College 4-3 in overtime on Friday.

Charmaine Hooper was the star of the game Sunday as she had four goals and added one assist while only playing about half the game. The number eight ranked Pack's overall record now stands at 6-4 while their ACC record moves to 2-1.

Hooper started off the scoring in the Maryland game at the 15:20 mark of the first half, opening up the floodgates in more ways than one. The Wolfpack scored five more goals in the first half while the rain continued in a steady downpour.

Because of the weather, the game was played at Lee Field. The field quickly turned to puddles of mud and water and made it virtually impossible to move the ball on the ground.

Hooper maneuvered around the mud and the Maryland defenders to make it 2-0 at the 21:22 mark. At 24:14, Hooper again got an unassisted goal to raise the score to 3-0.

Exactly one minute later the Pack made it 4-0 when Hooper passed the ball to freshman Shani Horne for the goal.

At the 27:05 mark of the half, freshman Linda Kurtyka scored to make it 5-0.

The first half scoring was finished when Mary Pitera scored on a feed from Meghean Owings with 6:29 left in the half. As the rain continued to pour, the Pack held a 6-0 half time lead.

The second half started as quickly when Hooper scored 4:07 into it to make the score 7-0. The Pack continued to dominate the game, but was unable to add to the score.

Goalkeepers Lindsay Brecher and Judy Lewis each played a half to combine on the shutout. Maryland dropped to 2-6 and 0-3 in the ACC.

See PACK, Page 9

## Injuries force Hooper to take on greater burden for Wolfpack

By Mark Cartner  
Staff Writer

Although it sounds odd, some people like to stretch rubber bands, then turn them loose to see how far they'll go.

Then there are people who do the same thing with talented athletes. An example of the latter is the relationship between head women's soccer coach Larry Gross and his talented athlete Charmaine Hooper.

When Hooper arrived on N.C. State's campus two years ago, neither she nor her coach could have foreseen the maladies that struck this year's Wolfpack team. The situation the squad currently faces is nothing short of bizarre.

There are four State players out of action with mononucleosis. One of those, Fabienne Gareau, is lost for the year.

All-star candidates Linda Hamilton and Jill Rutten are back

from injuries, but not at 100 percent. Hooper, however, is fine, which has forced Gross into a position he doesn't enjoy.

"We're trying her at midfield as well as forward," Gross said. "She's never even played midfield before, but with so many girls out Charmaine is having to take on greater responsibilities."

"She's just a super person to have on the team. She gives us leadership as well as great play on the field," he said. "I honestly feel like she's the best striker in the country."

Obviously, the present situation is frustrating for everyone who follows Wolfpack soccer, but Hooper has managed to keep things in perspective.

She prefers to use the word "tough" instead of "frustrated" when describing her own feelings.

"I thought coming into this year that we would be able to roll along

and challenge Carolina again for a conference and national championship," Hooper said.

"Unfortunately, with everything that's happened, that goal is going to be a lot tougher.

"Games that we should have been able to coast through aren't going to be that way. But that doesn't mean we've given up on our dreams."

"We're still shooting for championships. It's just gonna be harder than we thought," Hooper said.

For the Pack to succeed this season, the team will need every ounce of ability Hooper possesses.

Entering her junior year, Hooper has amassed impressive stats. In 1987 and '88 she scored 23 goals, dished out 15 assists and had an incredible 132 shots on goal. Hooper has also started every match except one since her fresh-



Rick Rankins/Staff

Junior Charmaine Hooper led the ACC in goals and points in 1988.

See HOOPER, Page 11



# Soccer team ties Clemson

By Russ Broome  
Staff Writer

After a long and very wet battle yesterday, the men's soccer match against Clemson ended in a tie.

Throughout the full 90 minute game and after two ten minute overtimes, neither team was able to score. Although the 0-0 score does not have much to say for itself, the Wolfpack played a very intensive game.

Coach George Tarantini feels very encouraged after the fine match State played despite such poor field conditions.

"I feel that we had the best of play and due to the outstanding defense we outshot Clemson," Tarantini said.

State sophomore David Allred did an excellent job in goal, while senior Chris Szanto played magnificently in the backfield.

Sophomore Dario Brose also had a great game and sophomore Henry Gutierrez made his first return to play after recovering from an ankle injury.

"We have played a great game



Marlow Campbell battles mud and a Clemson defender Sunday.

and now need to prepare ourselves for the two upcoming conference games," Tarantini said.

The team will play the postponed game against Duke Wednesday

night at 7 p.m. in Durham.

On Sunday, the Wolfpack will host Virginia at Method Road Stadium at 2 p.m.

The Pack is now 4-4-1 overall.

# Pack falls to Colorado in OT

Continued from Page 8

The game against Colorado College at Method Road Soccer Stadium was a seesaw affair that also saw seven goals scored. Hooper opened up the scoring on Friday also.

She took a pass from Jill Rutten 7:03 into the game and kicked it past the goalie for a 1-0 State lead. The Pack took that same lead into intermission.

The goals then started to come at a rapid pace. 5:30 into the second half, Karla Thompson scored for Colorado College and tied the score 1-1.

Pitera scored quickly for State to give the Pack a 2-1 lead. Thompson scored with 29:35 left in the half to tie the score once again at 2-2.

It looked like State might win when Hooper scored with only 11:32 left in the game to give State a 3-2 edge. Colorado College countered once again though, when Stacey Messer scored with 7:52 left to force a 3-3 tie.

That sent the game into two fifteen-minute overtime periods. At 7:30 of the first overtime, Kerry Tashiro scored to give Colorado College a 4-3 lead they would not relinquish.

The win moved Colorado College to 8-0.

After the weekend's games, Hooper has eleven goals on the season in the nine games she has played. State has scored twelve goals in its last three games.

The women next see action in the Vodka Tournament at Fairfax, Virginia October 7.



Chris Hondros/Staff

Alana Craft tries to dribble by a Colorado College player in Friday's overtime loss.

# Improve Distribution

Continued from Page 8

open the sales to the general public. The students should still be able to pick up tickets for free, it's just that they would have to compete with the paying public.

What's the problem with that?

The always friendly and courteous box office people are there selling tickets, right? So there's no extra time involved. So what's the big deal?

The university should be happy because they could still sell tickets, and the students would be happy because they would still have a chance to pick up their, whoops, I mean the, tickets, for the game.

# Agnew continues success in 1989

By Mic Cover  
Staff Writer

Sometimes a player for the Wolfpack football team has the kind of confidence that not only reassures him of his goals, but also improves his performance as an athlete. Senior defensive tackle Ray Agnew is such a player.

"I was destined to play football," the speech-communications major said.

Although Agnew has had high school varsity experience in several other sports, such as track and basketball, he always regarded football as being number one.

"I started getting interested when I was eight years old," Agnew said. "My dad's co-worker coached football at the YMCA, and I started playing."

Agnew has had a history of success on the field ever since.

He received the ACC Rookie of the Year award in 1986 and was selected by his teammates to be team captain this year.

Agnew's career best is fifteen tackles against ECU and his lone career interception aided State in their stunning defeat of Clemson in 1987.

The Winston-Salem native was also first team all-ACC last year and received an all-American honorable mention.

While Agnew started his personal football career as a fullback, he is quick to appreciate his role as a defensive tackle for State.

"It separates the men from the boys," he said. "You're constantly hitting every player. It's a challenge to me."

Despite a few minor injuries in the past, Agnew has never lost the aggressive edge that sets him apart from other players.

"I have to have that 'killer instinct.' If I get to the quarterback, I'm going to take his head off."

While Agnew intends to get the job done on the field, he describes himself as "gentle" off the field and realizes the importance of his academic career.

"I want to get my degree one day," Agnew said. "But I'd still like to play for the NFL."

Agnew is not sure which professional team he will be playing for, however.

"I always liked the Redskins," he said. "But I'll play for anybody."

Agnew has learned to appreciate many prominent figures in State's athletic program, past and present.

"I have always looked up to Danny Peebles," he said. "He always had everything together."

Agnew has much admiration for State coaches Jim Valvano and Dick Sheridan as well.

"Coach Valvano was the first coach I met at State," Agnew explained. Valvano was a major factor in persuading Agnew to play for the Wolfpack.

"After Coach (Tom) Reed left State, I started to change my mind about playing here," he said. "But Coach Sheridan really impressed me."

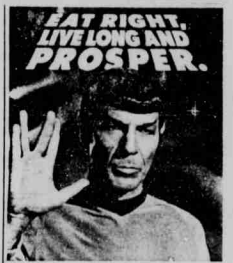
After several seasons of playing for State, Agnew has learned much as both a player and a person.

"I learned to fight through adversity, more so than I thought I could," he said.

"I've learned a kind of mental toughness, too. I can now go to the problem at hand, and just try to solve it."



Ray Agnew



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Students who would like information about NCSU's Co-op Program are asked to attend one of the orientation meetings listed below. Those who would like to co-op beginning the 1990 Spring Semester are urged to attend an orientation as soon as possible.

October 3	Tuesday	10:00 am	211 Peele
October 4	Wednesday	4:00 pm	G-111 Caldwell
October 5	Thursday	5:30 pm	G-109 Caldwell
October 11	Wednesday	4:00 pm	G-111 Caldwell
October 12	Thursday	5:30 pm	G-109 Caldwell
October 13	Friday	10:00 am	211 Peele
October 18	Wednesday	4:00 pm	G-111 Caldwell
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Date: Oct. 3  
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Place: 321 Dabney Hall Music Room



# Technician Opinion

October 2, 1989

A paper that is entirely the product of the student body becomes at once the official organ through which the thoughts, the activities and in fact the very life of the campus are registered. *College Life without its journal is blank.* Technician, vol. 1, no. 1, February 1, 1920

## Editorials

### Happy 100th N.C. State

Tuesday marks the 100th anniversary of the opening of the doors at N.C. State. In 1889, the freshmen class of the College of Agriculture and Mechanics took their first steps into what is now Holladay hall. Little did that class know they would ignite 100 years of unprecedented growth and tradition.

NCSU now has more than 90 buildings on campus. With the construction of the Student Center Annex, the National Resources Center and the Centennial Campus virtually underway, construction crews and cranes are now campus fixtures as the university continues growing. In 1889, 120 students attended the university. This year alone NCSU has more than 25,000 students enrolled. Who would have thought that such growth would have developed in 100 years?

And what about the great traditions started at NCSU during that span? Legendary basketball coach Everett Case started the cutting down of the nets tradition more than 30 years ago. Brickyard celebrations became a mainstay after the 1974 national championship, and now that it has re-appeared, (it disappeared for construction of the D.H. Hill Library addition) it is raring for action.

Academically, the university continues to grow. Former UNC System President William Friday was an N.C. State alumnus as was former Governor Jim Hunt. English professor Thomas Hester is the editor of The John Donne Journal and John Kessel recently had his first novel published. Also, an NCSU student recently received a new patent on the plow.

The university has undergone tremendous unprecedented growth since it opened its doors 100 years ago. So here's to you kid, may your next 100 years be as fulfilling and promising as the last.

### PAC program underway

If an ounce of prevention is truly worth a pound of cure, N.C. State's Public Safety officials are well on their way to curing campus crime.

The department's newest program, Operation PAC (People Against Crime), aims at stopping crime at its most crucial point — before it happens.

Designed as a campus version of community neighborhood watch programs, Operation PAC should not only make students more aware of crime-prone situations, it should make criminals a little more scarce. And that's a big step toward reducing both thefts and violent crimes.

Statistics show NCSU's crime rate decreased 23 percent from 1987 to 1988, but Penny Hall, director of Public Safety's crime prevention unit, didn't see the new figure as a sign to slow down the effort. Instead, and thankfully so, she and other officers have instituted programs like PAC to keep the crime statistic on its downward path.

But neither Hall nor her slew of Public Safety officers can make a difference if students don't help out. Pick up the PAC pamphlet from the information desk on the second floor of the Student Center. Then follow the tips to become a more aware and observant campus crime-fighter.

Keep Public Safety's emergency number (737-3333) close by your telephone, and report suspicious incidents to the department.

The PAC informational pamphlet is easy to read and absolutely free. Pick it up, and you lose little more than five minutes reading time.

Don't read it, and you and your neighbors stand to lose a lot more.

### N.C. State helps victims

The folks in South Carolina who got hit by Hurricane Hugo are going through hell right now.

N.C. State, however, has done its part to help ease the pain. At Saturday's football game against Kent State, fans donated more than five overflowing pick-up truck loads of canned food for the Hugo victims. Carolina and Duke collected cans during their home games this weekend as well. Although it would be nice to beat our ACC rival schools, the Hugo victims still are winners in this contest.

The total number of cans collected may not look like a great deal, but it grows considerably when you take into account the wet, rainy conditions at the game. Overall, the food is just a drop in the Carolina coastline's battered bucket, but every drop is one closer to filling it.

Thanks to all who made donations Saturday. The generous outpouring from NCSU students and fans should help soothe the victims' wounds a bit.

### Forum policy

Technician welcomes Forum letters. They are likely to be printed if they:

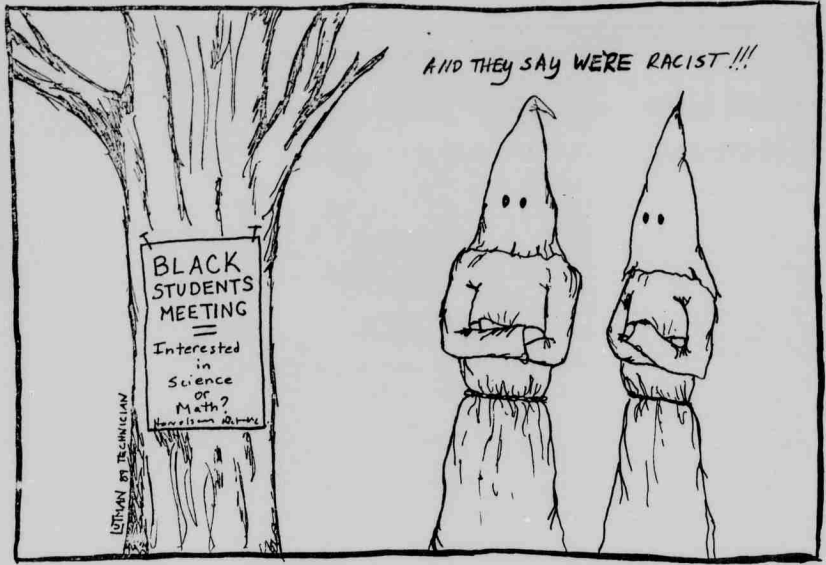
- deal with significant issues, breaking news or public interest.
- are typed or printed legibly and double spaced.
- are limited to 300 words, and
- are signed with the writer's address, phone number and, if the writer is a student, his classification and curriculum.

Technician reserves the right not to publish any letter which does not comply with the above rules or which is deemed inappropriate for printing by the editor in chief.

Letters are subject to editing for style, brevity and taste. In no case will the writer be informed before publication that his/her letter has been edited for printing.

Technician will withhold an author's name only if failure to do so would result in clear and present danger to the writer. Rare exceptions to this policy will be made at the discretion of the editor in chief.

All letters become the property of Technician and will not be returned to the author. Letters should be brought by Student Center Suite 3120 or mailed to Technician, Letters to the Editor, P.O. Box 8608, University Station, Raleigh NC 27695-8608.



## Columns

### Politicians wear many masks today

Who really knows the uses of masks in the real world? Allow me to define "real world" in respect to the question of masks: all times other than Halloween, Mardi Gras and election year. Those are the times when people wear masks and it is a recognized and openly accepted custom.

What I now refer to is the process that psychologists, psychoanalysts and psychotherapists usually deal with: all people have a different mask, or personality, for different people and different situations. When talking about politicians, this process is sometimes referred to as "wearing different hats."

For politicians it's acceptable and expected. For "real" people the idea of a mask is comparable to Puritans and sex. Everyone did it, everyone knew everybody did it, but nobody admitted that they did it or that anyone else did.

Stop for a second and think about how many different faces and personalities you wear during a week, or even a day. No, I'm serious; stop reading and think about it.

### Chris Repass

#### Guest Columnist

After you've done that, think about how many people you know who actually appear to be straightforward and sincere, and then ask yourself if you really, really know them. Or do you know the mask they wear for you?

The people I'm talking about are the ones who live in the "land of the free and the home of the brave." Oh yes, everyone enjoys singing those songs about the free men and the brave men. What I'd like to know is where are the people who wrote those songs?

The land I live in is "led" by men who wear the most masks of all. The people who control our lives are the very ones who are most afraid to be seen for what they are, to show their real face and say "This is me! Accept me for what I am, or not at all!" No,

that's just wishful thinking, like dreaming about winning the state lottery, or even better, dreaming that these political idiots would allow us to even have a state lottery.

No, the people who are in control of this country are too busy switching masks, adding makeup, kissing babies and kissing asses.

Allegory: "Well, Johnny, what do you want to be when you grow up?"  
"I want to be president, Miss Gullibility. By the way, I brought you a nice big shiny red apple and did I mention that's a beautiful dress you are wearing, even prettier than the fantastic one you wore yesterday..."

Life: "And I promise that even though the money you undeniably owe your government isn't enough to return to you in the form of free education or retirement security, we are spending as much as you have to protect you with the MX and peacekeeper missiles and the B-2 Batplane."

## Forum

### AIDS information pure propaganda

Like many residents here at NCSU, I recently received an official "Safe Sex" pamphlet from the Student Health Service. AIDS is certainly a horrible epidemic that affects all students, heterosexual and homosexual alike, and AIDS must be met with rational and conscientious measures.

Here are some of the recommendations of the Student Health Service to keep from contracting sexually transmitted diseases as quoted from their pamphlet: "It is risky to use alcohol or drugs, i.e., marijuana, cocaine, or poppers."

"Avoid deep kissing, or oral-genital contact as they carry a risk of transmitting the virus." and "Ask prospective partners about their sexual behavior, i.e. present or past use of I.V. drugs, present or past bisexual behavior, present or past sexual contact with prostitutes."

"You are likely to get AIDS from alcohol!" I guess that keg party this weekend is out. "Marijuana use is risky." Hmm, maybe those viaras can get in more easily if I'm stoned. "Avoid deep kissing or French kissing." My girlfriend won't like that! And if she leaves me for someone who does kiss, I have to ask a prospective partner if she shoots drugs before we can pursue a relationship. (Girls, can you picture asking your date if he has had sex with a prostitute?)

Human beings are going to have sex, otherwise you could not read this article. You would not be alive to see it! AIDS is spread through sexual intercourse, blood transfusions and the sharing of hypodermic needles.

No one has ever contracted AIDS through saliva, as proven by countless government studies. Student Health Service, please

don't confuse unrelated issues such as alcohol consumption, marijuana use and kissing with AIDS contraction.

Sexually transmitted diseases are frightening and deadly and must be combated, but propaganda is not the way. Student Health Service, please don't insult the intelligence of the people who may possibly be helped by truthful information.

Instructing readers on such activities as "fisting" is pointless. It is doubtful that even the most perverse homosexual has thought of such acts, and those of us that are heterosexual find this uneducational, if not quite offensive.

Jeff Taska  
Freshman, PS

### Is the world round?

Of course Senator Jesse Helms is not a racist. Where did anyone ever get that absurd idea?

So what if he fought to keep blacks in substandard schools prior to integration. That is not racism, it's just keeping "those people" in their place.

So what if Helms opposes a holiday honoring Martin Luther King. After all, King was once heard expounding some communist rhetoric about "little black boys and girls joining hands with little white boys and girls." We need Helms to protect us from those communist ideas.

So what if Helms thinks that apartheid is a neat concept. He is only looking out for the best interest of blacks. After all, in South Africa blacks do not have to worry themselves with trivial little decisions like where they will live, where they will work or who will govern them. The government makes those decisions for them. Neat!

So what if Helms devotes most of his campaign advertising to attacking black leaders instead of the opposing candidate. That is just Jesse's idea of affirmative action. Instead of focusing on the white person that he is running against, he replaces him with a black person who has nothing to do with the campaign.

Finally, there is recent proof that Helms is not a racist. He hired a black man, James Meredith, to work on his staff.

Meredith believes that integration is wrong and that blacks are better off when they do not mingle with whites. Nothing

racist about that. Students For America, you are right. There is not a shred of evidence to support that "handy-dandy left wing label of racist." It is as plain to see that Jesse Helms is not a racist as it is to see that the earth is not round.

Judy Brannon  
NCSU Graduate

### Arrests were normal

Like most people, I get my news from many sources. I read The News and Observer, I watch the local and national news and I hear what people tell me.

The last source is often the most unreliable.

Many of the recent letters to Technician have represented the recent events at Virginia Beach falsely. The police did not drive the crowds to violence. If anyone says that they were forced to loot a store by the aggressiveness of the police, then that person is a liar.

Anyone who says that the aggressiveness of the Virginia Beach Police was caused by racism is not only a liar but a fool.

I will grant you the fact that the police handled the crowds in poor fashion that weekend, but anyone who has spent any time at Myrtle Beach will know that unfairness is not unique to Virginia. I have spent time in jail at Myrtle Beach for a "crime" that I committed (I was never informed exactly what it was though).

While in jail I met people who had been

arrested for playing their stereotypes too loudly, for jaywalking and many other "crimes" that any self-respecting police officer would never notice.

While all of this was going on, not once did I or my compatriots in jail ever think of getting out and starting a riot. And not once did I think that racism was a factor even though one of my arresting officers was black and all of my cellmates were white.

There was a riot. Many people were arrested. Maybe even some innocent bystanders were roughed up, but if they weren't involved why didn't they show some common sense and get off of the streets?

I have no sympathy for anyone who was arrested at Virginia Beach, and I have nothing but contempt for those people who blame racism for troubles that they bring upon themselves. I believe that the Virginia Beach Police acted with too much zeal when they tried to control the crowds, but their actions were entirely justified by the violence that erupted.

The fact that the crowd was mostly black is nothing but a statistic. A rioting white man will be arrested just as quickly as a black. If this letter were not published, I could blame it on racism — after all, the editor of Technician is black.

The riot at Virginia was not a racial incident, it was a violent crime and anyone who attempts to justify it by crying racism is just as misguided as any Klan member you or I will ever meet.

James Eyster  
Sophomore, PS

## TECHNICIAN

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# State overcomes miscues in victory

By Mark Cartner  
Staff Writer

Former UNC Tar Heel coach Dick Crum returned to a rain-soaked Raleigh Saturday night with a new team and dreams of upsetting the nationally ranked and undefeated Wolfpack.

Cold and wet, Crum left town with a bunch of tarnished Golden Flashes and a dream unrealized.

The final score was N.C. State 42, Kent State 22.

It was a night that produced big plays, weird plays and just about any other kind of play imaginable. From double fumbles (two fumbles within one play) and interceptions to blocked punts, kicks and missed extra points, the teams spent more time in the twilight zone than they did in the endzone.

The unexpected was the norm as Saturday night at Carter-Finley became a highlight reel's dream come true.

Apparently nobody told Kent State what the spread was on the game, because for three quarters the Golden Flashes posed a legitimate threat to win the contest.

Kent State shot out of the gates like a team possessed. They took the opening kickoff and easily marched 63 yards in seven plays to take an early 7-0 lead. The crowd was stunned and the tone was set for the remainder of the game.

After an exchange of punts, the Pack ground out 39 yards, 20 compliments of Tyrone Jackson, who started in place of injured tailback Anthony Barbour. The drive stalled, however, and State settled for placekicker Damon Hartman's field goal from 45 yards out, bringing the Pack within four at 7-3.

"We wanted to come out and establish the run early. That was our game plan," Jackson said after the game. "We knew if we could run on them, it would open up our passing game."

Jackson finished the night with 129 yards on 24 carries, making him the first Wolfpack ball carrier

this year to break 100 yards rushing in a game.

"The offensive line did a great job tonight opening holes. The full-backs were making their blocks and Shane (Montgomery) was giving me perfect handoffs," Jackson said. "When all that happens it makes my job a whole lot easier."

State eventually scored another field goal on a 20-yard boot from Hartman. The Wolfpack then forced a punt, and at the 11:16 mark of the second quarter, the Pack — and the bizarre — took over.

On second and five from the Golden Flashes' 36-yard line, Montgomery electrified the crowd with a perfect strike in the endzone to a streaking Chris Corders. However, the point after was blocked when Hartman lost his footing in the soggy turf — ending a string of 58 consecutive PATs for Wolfpack kickers.

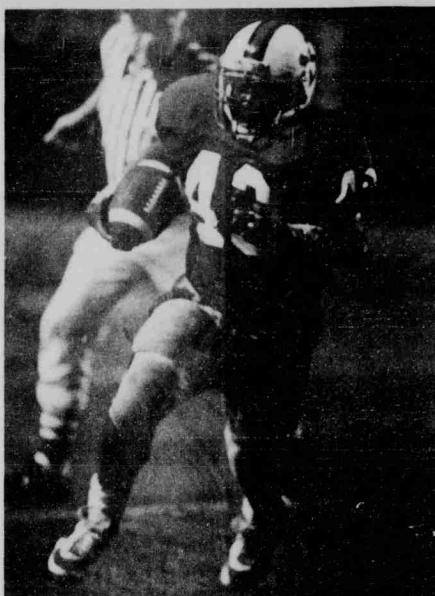
The next unusual play came on the following series. Bryan Carter kicked off to Kent State's Brian Vogel, who elected to down the ball on the 19-yard line even though there was no one near him.

Three plays later on second and 12 from their own 17, Kent State quarterback Patrick Young had his pass batted into the arms of Wolfpack linebacker Bobby Houston, who was lying flat on his back at the time.

After the Golden Flashes picked off a pass of their own, cornerback Joe Johnson blocked Eric Nichols' punt to give State the ball at the Golden Flashes' 15-yard line. The drive ended, unbelievably, with Hartman's 41-yard field goal attempt being blocked.

Johnson later made his second big play of the night when he stepped in front of a pass intended for Kent State's Shawn Barnes and raced 60 yards the other way, untouched, for the touchdown.

"I had been laying off of him all night," Johnson said. "I noticed that he lined up a little inside of what he had been, so I figured he was going to run an out. I decided



Don Hunnicutt/Staff

Sphomore Tyrone Jackson rushed for 129 yards on 24 carries.

to gamble and I guessed right."

That one play, as much as any other, turned the tables in favor of the Wolfpack. Still, there was one more play, and one more player, which captured the hearts of Wolfpack fans.

With just eight minutes to play in the game, freshman Aubrey Shaw took his first collegiate handoff and scampered 48 yards for a touchdown.

"It was a 43 yard," Shaw said. "I got through the hole and bounced off the linebacker. I knew I had a chance to score, but I didn't know I had it until I dove over at the end."

By game's end, the totals were hard to believe. The Wolfpack and the Golden Flashes had combined

for three interceptions, four fumbles, two double fumbles, two blocked punts, a blocked extra point, a missed extra point, a reverse and a fake reverse, a 60-yard interception return for a touchdown, a 48-yard run for a touchdown, 14 punts, and 15 penalties for 124 yards.

The game wasn't pretty, but the bottom line is a 5-0 record for the Pack and a 20-point trouncing of former Tar Heel, Crum.

It also happens to be the best start that anyone around here can remember.

The last time State started a season 5-0 was in 1974, when Lou Holtz led the Pack to a 9-2-1 overall record and a tie with Houston in the Astro-Bluebonnet Bowl.

# Johnson picks off pass for touchdown

Continued from Page 8

to 18-15 and to grab the momentum heading into the locker room.

Sheridan had strong praise for the Kent State playmaker.

"He (Young) threw the ball well," said Sheridan. "He made some pitches that were unbelievable."

Montgomery, who finished 16-35 for 201 yards, also complimented the Kent State offense.

"They handled the ball well," Montgomery said. "Their downfield blocking was great on our defensive backs. They had a great game plan."

The Wolfpack received the second half kickoff but could only gain six yards out to their own 28. Kent State's Reggie Cook then broke through, blocked Preston Poag's punt and returned it to the State 21.

Five plays later, Kent State was back in the end zone and it was beginning to look like coach Dick Crum might remain undefeated in Carter-Finley.

The Pack once again went down quietly on four plays and Kent took over at the State 45 yardline. Cornerback Joe Johnson then stepped in and brought the momentum back to State.

Johnson picked off a pass and returned it 60 yards for the TD, delighting the 35,400 scattered fans. The two-point conversion put the Pack back up 26-22.

"We were in a three-deep zone," Johnson said. "I felt the receiver lined up further inside than usual. I thought he would run an out (pattern) and I just took a gamble."

The interception changed the pace of the game. With 6:19 left in the third, the Pack danced 85 yards in just under four minutes behind tailback Tyrone Jackson, who had 129 yards rushing for the game. Jackson barreled in from the one and State went up 32-22 heading into the fourth quarter.

The fourth quarter showcased a possible future star for the Pack, Reserve freshman tailback Aubrey Shaw rambled down the right side for 48 yards and a touchdown in his first collegiate carry.

Sheridan was pleased with Shaw's big play.

"That was quite a debut," Sheridan said. "He is a tough runner and he is going to be a fine player for us."

Shaw's run put State up by 20 and

in total control of the game. It took longer than expected, however, just as Sheridan said it would.

"This game points out that we're not an overpowering football team," Sheridan said. "We have to play mistake-free football to be successful and if we don't play mistake-free football, we're going to be involved with anyone we play."

He was speaking of State's season-high eight penalties for 67 yards. Through the first four games, the Pack had only committed nine penalties for 68 yards.

The Wolfpack ran their record to 5-0 with their first non-conference win. Kent State is still looking for a win as they drop to 0-5.

The Pack moved one step closer to their showdown at Clemson in three weeks, although Clemson was shocked by Duke on Saturday afternoon. State must first host Middle Tennessee State Saturday at 2 p.m. and after the Kent State game, the Wolfpack will not take the Blue Raiders lightly.

Kent State at N.C. State



NCSU	3	15	14	10	42
Kent St	7	8	7	0	22

- KSU-Perine 23 run (Shawn Berg Kick)
- NCS-Hartman 45 FG
- NCS-Hartman 20 FG
- NCS-Corder's 36 pass from Montgomery (kick blocked)
- NCS-Hartman 6 pass from Montgomery (pass blocked)
- KSU-Barnes 7 pass from Young (Young run)
- KSU-Cunningham 22 pass from Young (Sherberg Kick)
- NCS-Johnson 60 pass from Johnson (Young pass from Montgomery)
- NCS-Jackson 1 run (kick upfield)
- NCS-Hartman 25 FG
- NCS-Shaw 48 run (Hartman Kick)

	NCSU	KSU
First downs	19	29
Rushes-yards	228	259
Passing	201	123
Return yards	92	9
Comp-Att-Int	16-36-1	13-26-2
Fumbles	6-12	3-9
Fumbles-Lost	1-0	0-3
Penalties-Yards	8-67	7-57
Time of Possession	33:55	28:25
Passing	NCSU: Montgomery 14-35-1	KSU: Young 10-22-2
Rushing	NCSU: Jackson 24-129	Shaw 5-48
Kickoffs	NCSU: Perine 6-81	Perine 9-79
Receiving	NCSU: Kavalec 3-62	Varn 5-60
Blocked	NCSU: Campbell 1-1	Johnson 10
Interceptions	7	KSU: Maximilian 18
Hartman 1-1		
Attendance	- 35,400	

# Hooper has to adjust to new faces on Pack team

Continued from Page 8

man year. Last season, she led the conference in goals scored, (15) and total points (38), and was named all-Final Four, all-conference and all-South.

Because of her extraordinary talent, however, Hooper is drawing a lot more attention from the opposition.

"Every time I turned around in the Carolina game a couple of weeks ago, there was somebody on me," she said.

In addition, with the influx of new players to fill the holes left by State's injury and mono-stricken veterans, there is a certain amount of confusion on the field.

"It's gonna take me a while to get used to playing with some of the new girls. They just simply don't have the experience yet, but they'll learn," Hooper said. "I'm just used to having Fab (Gareau) at my side. I always knew what she was going to do and vice versa."

"I feel like I'm a freshman again, starting out with a new team."

Still, even with the hardships that face her and her teammates, Hooper is glad to be a member of the Wolfpack. The strange part of the story is the fact that Hooper ever enrolled here at all.

"Looking back I have to say it was a matter of being in the right place at the right time," Hooper commented. "I was playing for the Canadian national team when I met a former State player who was on the U.S. national team."

"She told me about State and how to enroll and here I am. Before that,

I had never heard of N.C. State and they had never heard of me."

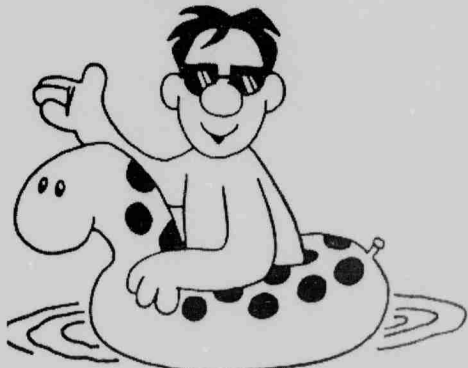
Luckily for the Pack, this Nepean, Ontario, native found her way south to Raleigh. With luck, Hooper and her teammates will overcome the adversities the campaign has already placed upon them.

And, maybe, Hooper will be stretched enough to shoot herself and the Wolfpack into realizing the goals they set for themselves prior to the season.

Charmae Hooper, perhaps, will be stretched and not broken.

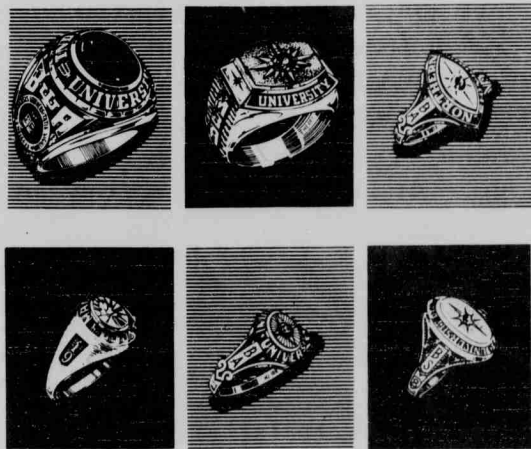
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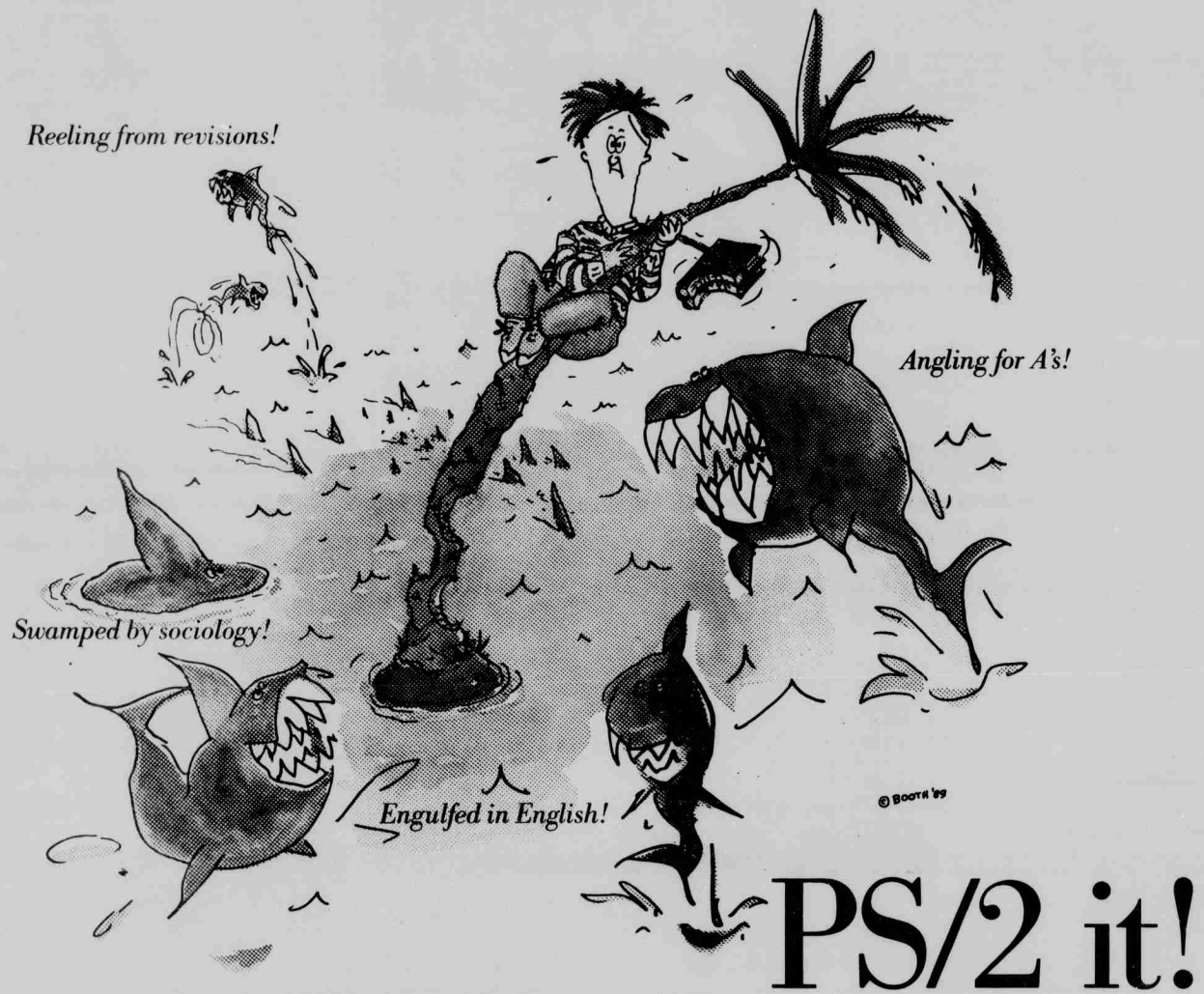


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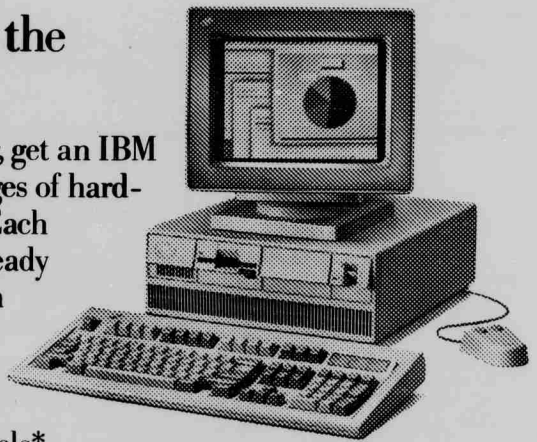


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# THE DERBY TABLOID

VOLUME 14 NO. 1



MONDAY

OCT. 2, 1989



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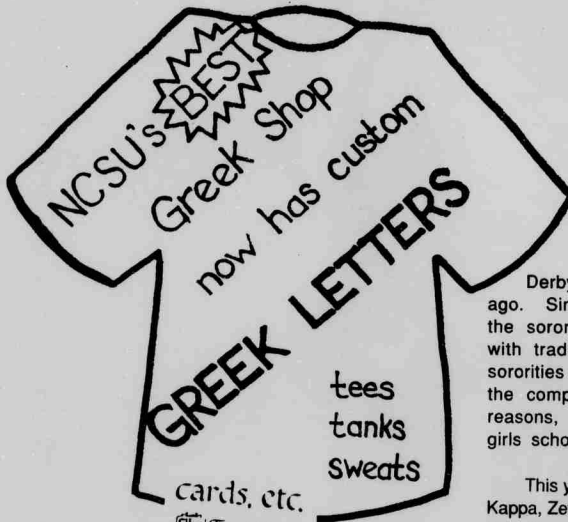
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### DERBY DAYS AT N.C. STATE

Derby Days at NC State was started fourteen years ago. Since the event normally consisted of teams from the sororities on campus, our chapter decided to stick with tradition. However, because there were only two sororities on campus at the time, we didn't have quite the competition or involvement we wanted. For these reasons, we decided to invite teams from the three area girls schools to participate in the fun and games.

This year we have teams participating from Sigma Kappa, Zeta Tau Alpha, Chi Omega, and Alpha Delta Pi Sororities; and Meredith, Peace, and St. Mary's Colleges. Each team participates in fund-raising, spirit events, and field events.

Events will be held all week (October 3-7) and there is a schedule of events within today's "Derby Tabloid". Please feel free to stop by and enjoy the fun and games, and help raise money for charity.

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**Fall 87' Pledge Class**

Scott Pederson	Kurt Kuchenbrod
Brennan Marilla	Ray Keeney
Lee McSwain	David Tanksley
Mike Hobbs	Scott Proctor
Jason Cobb	James Salter

"It's all fun and games"

**FLOUR POWER**

Eight colored keys are hidden in a mountain of flour. One representative from each team shall run from a designated point to the mountain, and sift through the flour to find the keys. Each colored key has a different point value, and there is no limit as to how many keys may be acquired by each woman.

**IZZY DIZZY**

The teams here are composed of 4 women each. At the signal, a woman will run down and put her head on the end of a bat and spin around the bat five times. The woman's head cannot leave the bat, and the bat must remain on the ground at all times. At the end of five turns, the woman will run back to the starting point and the race will continue in relay fashion.

**SPACE INVADERS**

The intended object of this event is similar to the video game. There will be 3 rows of 6 brothers with their backs turned. Each team will be given 90 seconds and an unlimited number of water balloons to hurl at the brothers. Only one teammate will be allowed to throw balloons. The team with the most points wins.

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## Spring 89' Pledge Class

Dean Fuqua	Johnathon Ward
Tony Amitrano	Mike Ballance
John Moore	Paris Balouris
John Stephenson	Brian Bass
Brian Cockerham	Chuck Saydek

David Holm  
Jeff Vale  
Brad Taylor  
David Houk

### FALL '89 PLEDGE CLASS

Scott Biggs	Jason LaStella
Mike Carideo	Kent Nixon
Justin Claytor	Justin Revels
Duggie Collins	Steve Scruggs
Harrison Ellinwood	Jim Thompson
Bone Fisher	David Turton
Troy Harris	Billy Whitehead
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express their thanks to all the women  
of:**

**Alpha Delta Pi  
Chi Omega  
Sigma Kappa  
Zeta Tau Alpha  
Meredith  
Peace  
St. Mary's**

**For all their hard work and efforts to  
make Sigma Chi Derby Days a success**

**Special thanks to:  
Fred Huebner - McDonalds  
Jennifer Green - U.C.P.  
Barry Sandman - Shooters II  
John Hopkins - A.C.C. Tavern**

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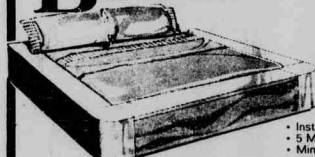
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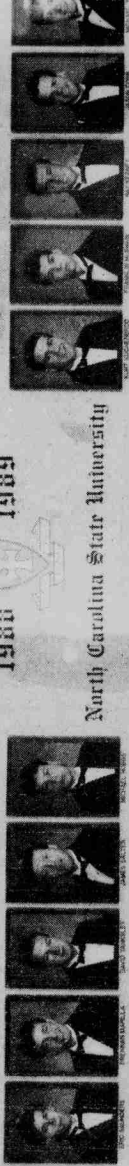
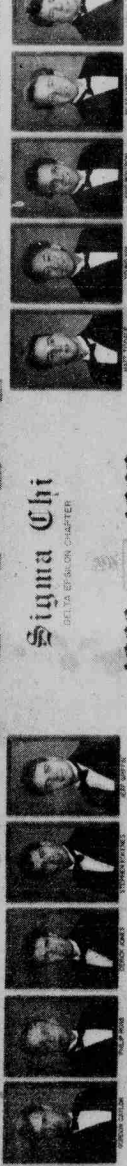


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# Sigma Chi

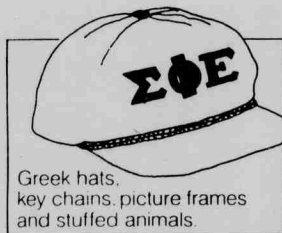
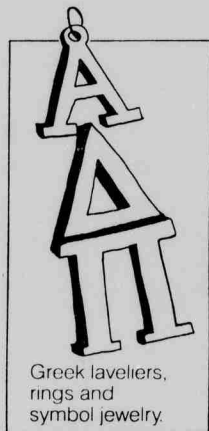
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## DEC-A-SIG

This is a skit type event. Each team is responsible for decorating one of their team coaches pertaining to the theme of Derby Days. Then a maximum of eight women help him perform a short skit. Winners are judged on the best all around performance.

## LINE DANCE

This is a coreographed dance routine in which eight women and one coach from each team participate. The dances are two to three minutes long, and winners are judged on their all around performance.

Event time: Tuesday, Oct. 3  
9:30. SHOOTERS II

## BANNER

This is a contest in which each team creates a banner to be placed on the Sigma Chi house on the first day of Derby Days. The banner must pertain to the theme of Derby Days, and winners are judged on creativity and artwork.

## Thursday Night is College Night!

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## THE DERBY TABLOID

14th Annual Derby Days

Delta Epsilon Chapter  
of  
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*Derby Daddy*  
Scott Pederson

Events Chairmen  
Ty Cobb and Matt Tisdale

Tabloid Assistants  
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## VOLLEYBALL

This event will be held on the Sigma Chi volleyball court. The teams will consist of four women and one coach or five women. Each match will be decided by the first team to reach seven points for every match except the finals which will be played to eleven.

Event time: Wednesday, 3:15 pm

## DERBY CHASE

This event will be held in a marked off area in which derbies will be worn by thirty brothers. Each team will consist of five women. The object will be to collect as many derbies as possible in three minutes time. All teams will be competing at the same time within the marked off area.

Event time: Thursday

## TUG-O-WAR

This event will be your traditional tug-o-war. Teams will consist of ten women and one coach. A flag will be attached to the rope. The team to pull the flag entirely across their line will win. There will be no time limit.

Event time: Friday

## Fall 88 Pledge Class

John Paschall	Matt Teskey
Scott Fisler	Brian Tickle
Tom Sember	Dean Diamaduros
Von Stokes	Hunter Eaddy
Eric Broadway	Chris Day
Wayne Ellington	Chris Desmarais
Wayne Watkins	Bill Maroulis
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### SALAMI

COOKED SALAMI,GENOA SALAMI

### SALAMI & CHEESE

COOKED SALAMI,GENOA SALAMI, SMOKED PROVOLONE CHEESE

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## EVENTS SCHEDULE

TUE. Oct. 3- BANNERS DUE.....	3:30pm
LINE DANCE at SHOOTERS II.....	9:30pm
WED. Oct. 4- VOLLEYBALL.....	3:15pm
THURS. Oct. 5- FLOUR POWER.....	3:00pm
SPACE INVADERS.....	IMMED. AFTER
DERBY CHASE.....	IMMED. AFTER
FRI. Oct. 6- RAFFLE MONEY DUE.....	2:00pm
IZZY DIZZY.....	3:00pm
MYSTERY EVENT.....	IMMED. AFTER
TUG-O-WAR.....	IMMED. AFTER
DEC-A-SIG.....	TBA
LATE NITE.....	LATE NITE
SAT. Oct. 7- AWARDS AND RAFFLE DRAWING.....	TBA

NOTES: All times are subject to change. Any changes will be posted on the bulletin board inside the Sigma Chi House by the Derby Daddy - Scott Pederson.

### FIELD EVENTS

#### **MAJOR:**

1. Volleyball
2. Derby Chase
3. Tug-o-War

#### **MINOR:**

1. Flour Power
2. Space Invaders
3. Izzy Dizzy
4. Mystery Event

### SPIRIT EVENTS

#### **MAJOR:**

1. Dec-A-Sig
2. Line Dance

#### **MINOR:**

1. Banners

#### **POINTS:**

PLACE	MINOR EVENTS	MAJOR EVENTS	RAFFLE SALE
1	35	45	60
2	25	35	50
3	20	30	40
4	15	25	30
5	10	20	20
PARTICIPATE	5	10	10

## The Delta Epsilon Chapter of Sigma Chi Fraternity proudly presents our 14th Annual Derby Days!

The Derby hasn't always been for both fun and fund raising, as the charitable aspect of the activity didn't come into play until the late 1960's. The original idea for Derby began in 1933 at the Sigma Chi chapter at the University of California in Berkeley.

The Sigs there hosted the "Channing Way Derby" which consisted of humorous skits performed by the Sigs whose house then was located on Channing Way.

In the Fall of 1963, the Sigma Chi Chapter at the University of Tennessee held a track and field event formulated around the idea of U.C., at Berkeley's Derby. They were the first group to get the sororities to compete for fun, games, and honor. The first "new" Derby, as that Tennessee event was known, consisted of the "Miss Modern Years," the Egg-and-Spoon relay, the sack race, tug-o-war and several other contests.

Due to the popularity of the early Derby Days, some form of the event has been adopted at almost all of the 214 Sigma Chi Chapters across the United States and Canada. But it wasn't until the late 1960's that chapters began to combine its' fun and games with philanthropy. After the Cleo Wallace Center became Sigma Chi's national philanthropy in 1967, many chapters found that the Derby was an ideal way to raise money for this worthwhile children's center.

Today many Sig Derbies are held to assist in a number of charitable causes, some giving a percentage of the proceeds to the Cleo Wallace Center. Sigma Chi was the first men's Collegiate social fraternity to adopt and maintain an international service project.

NCSSU's Derby Days is designed to raise funds for the United Cerebral Palsy Life enrichment Center for Adults, the UCP Child Development Center - both located here in Raleigh, and the Cleo Wallace Center For Children in Colorado. Cerebral palsy is a disorder that occurs in about one out of 250 live births. Although these people have normal life expectancies, few programs exist which enable adult to participate to their fullest. The center for adults stresses community living, skills development and work activities. Each client has an individualized program plan and, through a goal setting process, is expected to develop skills leading to greater independence and high productivity in daily living. The Five Childrens Centers across North

Carolina have individually planned programs offer child educational therapy and recreation.

The Cleo Wallace Center is a national center for the training and rehabilitation of emotionally disturbed and behaviorally disordered children, located in the mountains of western Colorado.