

# Welcome back students, faculty

# Technician



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## Poulton resigns to save NCSU



By Paul Woolvortn  
Executive News Editor

N.C. State Chancellor Bruce Poulton told reporters Tuesday morning that one reason he resigned Monday was to protect NCSU from further damage caused by the controversy that has rocked the Wolfpack athletics program since January. "I feel that part of the problem is the personal attack that's been directed at me, and I frankly feel like by taking myself out of that situation, I might lessen attack on the university," Poulton told reporters at a press conference in Holladay Hall Tuesday. Poulton said that the damage spawned by Peter Goldenbock's book, "Personal Fouls,"



C.D. Spangler

has spread beyond him to NCSU, so he removed himself from his position to protect the university's reputation.

In a statement released Monday, he said, "My wife and I reflected on our personal situation and concluded in part that the time had come for us to 'step down' from the chancellorship of N.C. State University. Accordingly, I have given President (C.D.) Spangler my resignation."

The chancellor told reporters and student leaders that he expected Athletics Director Jim Valvano to step down soon.

Poulton said that "Valvano will not be athletics director very long at all," said Student Senate President Brooks Raiford, who met with Poulton and Student Body President Brian Nixon Tuesday morning.

The chancellor said he wanted Valvano to remain as basketball coach, Raiford said. Valvano, however, refused to comment on

his job future at NCSU.

"I can't really say anything to you about it until a later date," Valvano said in his Case Athletics Center office Tuesday afternoon. "There is nothing more to say."

However, as he was leaving his office, he turned back and told someone inside, "I took note of it to tell the new athletics director."

Raiford said Poulton told him he did not resign because of a report Spangler will give the UNC Board of Governors about the investigation.

"He does not know what's going to be in the report," Raiford said. Instead, by removing himself from the picture, the BOG and the Board of Trustees would be more free to make decisions about what to do about the controversy.

The report on the investigation is due out Friday.

Although the chancellor hasn't seen the BOG report, he told student leaders that NCSU has not had any major rules violations.

Poulton's resignation takes effect at the end of September. He then will take a leave of absence.

Poulton has been NCSU's chancellor since 1982.

Some of his accomplishments at NCSU include adding Centennial Campus and increasing the university's research expenditures from \$60 million to \$125.5 million annually.

Before coming to NCSU, Poulton was chancellor of the University System of New Hampshire.

Staff writer David J. Forrest contributed to this report.

## Check-in starts new adventure for residents

By Anne-Marie Yerks  
Staff Writer

Nearly 6,800 N.C. State students arrived on campus this weekend in cars loaded with boxes, TV sets, cases, parents and other miscellaneous items required for life away from home.

For some, this was only the beginning of a new adventure.

Freshman Amy Dillard woke up at 6:00 a.m. with her parents to tackle the five hour drive from her home in Savannah, Georgia.

Dillard was excited. "It's going to be a big change," she said, "but I think I might have brought too much stuff."

Claudia McCracken, a freshman from Wanesville, was more nonchalant. "It's been going OK, I guess," she said wearily, glancing at the several heavy items that had yet to be moved from her family's pickup truck.

For upperclassmen, moving in was old hat. Seniors Glenn McRee and Howard Brown decided to give themselves an additional challenge by attempting to build a loft. "We've never built one before," Brown said. "We're just going to look at other ones and try to figure it out."

Resident Advisors were also busy with the semiannual move-in ritual. R.A. Karen Schroeder spent all weekend checking students into Bowen Residence Hall. "I've had a lot of freshmen ask me if there's a curfew," she said with a laugh, "but it's really been kind of slow." Bowen, along with most other residence halls, has activities planned to give tenants the opportunity to get to know each other before the fall semester begins.

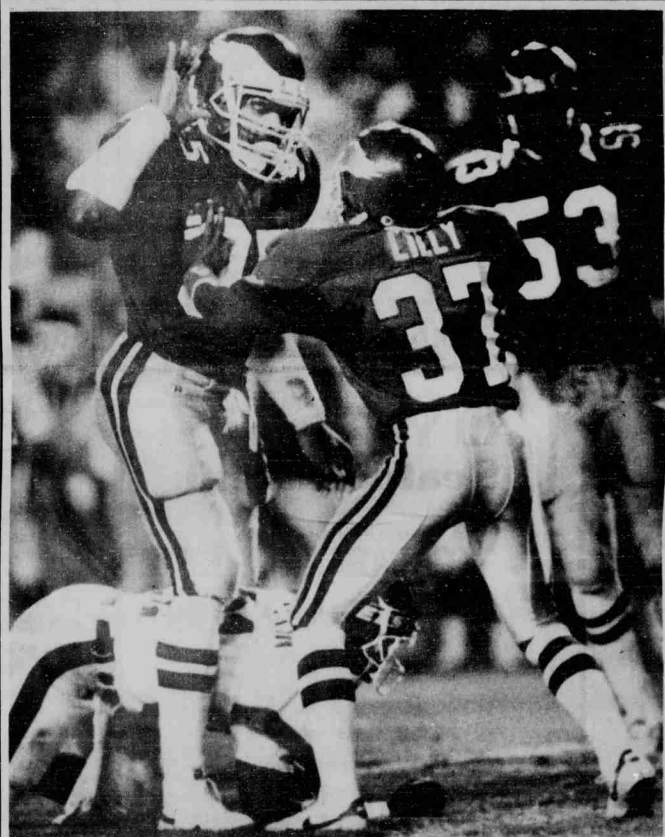
For the first time in recent memory, move-in was done on a weekend. Moving in on the weekend is a good idea, according to Traffic Control Officer William Robertson.

"Last year was a real mess," he said. "Since it was during the week, we had faculty, staff and students here at the same time. This year I've been wondering where everybody is!"

Most agreed that moving in was going smoothly, however some minor problems did occur.

Ginny Rice, who was working as a parking attendant outside Harris Hall, said "We've had a lot of people get upset because they need to go to Harris Hall and they can't park here. They don't want to walk."

While some struggled with large boxes and pieces of furniture, others were enjoying the atmosphere. "I'm going to look around," said Lisa Henry, a freshman from Statesville, N.C. "I have no idea where anything is!"



## High on NFL in the Carolinas

More than 50,000 fans watched the New York Jets down the Philadelphia Eagles Sunday night in Carter-Finley Stadium. Two groups are trying to bring the NFL to the Carolinas. See game story 1B.

Marc Kawanshi/Staff

## Trustees: Chancellor candidates uncertain

By Dwan June  
Staff Writer

Two members of the N.C. State Board of Trustees said they are uncertain who will replace Chancellor Bruce Poulton and would not speculate before UNC System President C.D. Spangler's report to the UNC Board of Governors.

Possible candidates for the chancellor position include former Governor Jim Hunt, former UNC system president William Friday and Jasper Memory, vice president for research at UNC General Administration.

However, Elizabeth Lee, a member of the board, said the first matter of concern facing the trustees is finding an interim chancellor.

"I've given no thought (for a new chancellor)," Lee said in a telephone interview from Lumberton. "We will have to put an acting chancellor in first."

The board is launching its first search for a new chancellor in 10 years.

"I've been here for a while and nothing like this has happened. It's kind of strange. All I'm doing is sitting back and listening to what's on TV."

Lee said she had no idea what the report contained or if it had a major bearing on Poulton's decision.

"Evidently there must be something in the report... or I don't think it would have come to head like this," Lee said. "I don't know why it was held so long. I don't want to prejudice anything until I have heard the report or the results of the NCAA investigation."

Board member Alan Dickson didn't feel justified commenting on Poulton's resignation until he has heard Spangler's report nor would he speculate on athletic director Jim Valvano's future.

"How can I comment on what's been in the press?" Dickson said in a telephone interview from Charlotte. "I think we will all know the facts Friday."



Jim Hunt



William Friday

## Construction projects near completion

By Bill Gotherman  
Staff Writer

Students returning for the fall will find a very different campus, thanks to the Department of Campus Planning and Construction.

In addition to the progress on the D.H. Hill Library annex and the Dan Allen Parking Deck, several other projects have been completed. These projects have made getting around campus easier and have added badly needed classroom and laboratory space.

The roads should be less bumpy, with Morrill Drive, part of Pullen Road and Dan Allen Drive all being repaired.

Dan Allen was closed all summer, says John Fields, University Construction Manager. In addition to being repaved, Dan Allen was widened at the Hillsborough Street end and new cement crosswalks were added. A traffic light has been installed to help handle the additional cars from the Dan Allen Parking Deck and better manage

pedestrian traffic.

The opening, on August 14, of the Natural Resources Research Center brought new space for badly cramped departments such as Forestry; Marine, Earth, and Atmospheric Sciences; Computer Graphics; the Water Resource Research Institute and the Sea Grant program. Construction on the \$11.8 million, 86,871-square-foot building began in Oct. 1986. It is located adjacent to the Forestry Department in Biltmore Hall.

Nearby, at the corner of Dan Allen and Western Blvd., construction continues at the new Pulp and Paper Laboratory. The \$5.8 million building is scheduled to be completed in Oct. 1990.

In other projects, the second floor of a 3-story research building on the Centennial Campus was opened for use, and landscaping was completed around Winston Hall. Partial repairs were also made to the ailing parking deck by Reynolds

See PROJECTS, Page 3A



Michael Russell/Staff

The Dan Allen Parking Deck is scheduled for completion October 5. For more news on campus construction projects see page 3A.

### Monday

#### Inside

Clemson seeks their fourth straight ACC football title  
SPORTS/PAGE 1B

N.C. State quarterbacks will probably split playing time.

SPORTS/PAGE 1B  
Say good-bye to mom's home cooking and hello to dorm-room cuisine.  
SIDETRACKS/PAGE 5A

Does Chancellor Bruce Poulton's resignation benefit the university?  
OPINION/PAGE 8

Scientists are creating a new bone substitute at the CVM.  
FRONTIERS/PAGE 1C

# Professors promoted

From Staff Reports

People are moving into and up in the N.C. State world.

Five department heads, and one extension specialist were appointed this summer. Most were professors moving up within the university.

## Marine, Earth and Atmospheric Sciences

NCSU professor Leonard Pietrafesa has become head of the NCSU Department of Marine, Earth and Atmospheric Sciences on July 1.

Pietrafesa will succeed Henry Brown, who has retired.

An oceanographer and expert on ocean currents, Pietrafesa joined the NCSU faculty in 1973 and became a full professor in 1981. He was director of NCSU's Honors Council in 1988 and is currently serving as interim associate dean of research in the College of Physical and Mathematical Sciences.

Pietrafesa has served on many national committees, including panels of the National Academy of Sciences, National Science Foundation, Office of Naval Research, Department of Energy and National Oceanographic and Atmospheric Administration.

He is serving on the N.C. Estuary Sanctuaries Committee and as an adviser to the Governor's office on coastal and environmental management issues. He has received commendations from Gov. James Martin and former Gov. James Hunt for "meritorious service to the state."

In addition, Pietrafesa represents NCSU on the N.C. Marine Coordinating Committee and on the Council on Ocean Affairs, a national organization based in Washington D.C.

Pietrafesa earned a bachelor's degree from Fairfield University, a master's degree jointly from Boston College and the University of Chicago and a doctorate from the University of Washington, Seattle. Both graduate degrees were in fluid physics.

## Electrical and Computer Engineering

Ralph Cavin, director of design sciences at the Semiconductor Research Corporation in Research Triangle Park, has been named head

of NCSU's Department of Electrical and Computer Engineering. He took office Aug. 17.

Cavin, 50, brings to NCSU a distinguished record of accomplishment in industry and academia. "We are pleased that he accepted this appointment," said Larry Monteith, dean of the College of Engineering. "His experience will be a great asset in the continued development of the Department of Electrical and Computer Engineering."

The department is the largest in the NCSU College of Engineering, with 350 graduate students, 1,500 undergraduates and 45 faculty.

Cavin has been an NCSU adjunct professor of electrical and computer engineering since 1986. He has bachelor's and master's degrees in electrical engineering from Mississippi State University and a doctorate from Auburn University. He was named a fellow of the Institute of Electrical and Electronic Engineers in 1988.

Cavin replaces Nino Mansari, who stepped down last summer as the department head to become director of the NCSU-based Advanced Electronics Materials Program. Tildon Glisson, a professor and graduate administrator in the department, has served as acting head since.

## Mathematics

Robert Martin, a professor of mathematics at NCSU, has been named head of the Department of Mathematics. He took office July 1. Martin, who holds bachelor's and master's degrees from the University of South Carolina and a doctorate from the Georgia Institute of Technology, joined the NCSU faculty in 1970. He also is author of around 40 articles published by various scholarly journals.

Martin is a member of the American Mathematical Society and the Society of Industrial and Applied Mathematics.

The current department head, Dr. Ernest E. Burniston, is stepping down after nine years in the position to return to teaching and research.

## Curriculum and Instruction

The director of NCSU's

See NCSU, Page 3b

# While you were gone...

By Wade Babcock  
Assistant News Editor

Life at N.C. State doesn't end when the students are away during the summer. Many things happened besides the Personal Fouls scandal.

There was some doubt as to whether or not the Summer Sessions would survive the budget ax that fell on NCSU at the end of the last fiscal year.

Although the money ran out, the university made few concessions, and on the whole the two sessions of NCSU's summer school went off without drops in enrollment or number of faculty.

Many faculty and staff just couldn't mail their mail, call long distance or put paper in their copiers.

## Abortion

The abortion issue hit national news when Webster vs. Reproductive Services came before the Supreme Court. NCSU students participated in numerous demonstrations in the Triangle area. Some went with a group of North Carolinians to Washington to march on the Capitol.

## Education

The North Carolina Educators Association rallied public educators for a march on the

Governor's Mansion here in Raleigh demanding that Gov. Jim Martin come through on his promises of raises and increased benefits for teachers.

## China

The demonstrations in China were felt on campus more than some people expected. There were marches and meetings of NCSU students who were fighting for their freedom in China. When the Tiananmen Square massacre was reported, there was a procession downtown to show the grief felt by Chinese-Americans and Chinese citizens living in Raleigh.

## Theatre gone

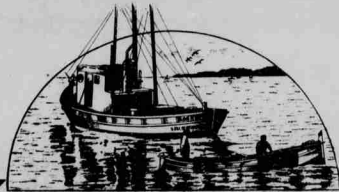
Amidst the sounds of the construction around campus and the city were the crashes of the wrecking ball as the Ambassador Theatre fell to the ground after almost 60 years. The downtown theater with its rhinestone-studded curtains and leather-and-chrome seats had seen Elvis Presley play on its stage and a year long run of "The Sound of Music" on its screen.

The North Carolina State Legislature set a new endurance record this year as the representatives and senators roughed out the longest legislative session ever.

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NCSU

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## Turmoil at NCSU

# A Question of Loyalty

By Don Munk  
Senior Staff Writer

N.C. State faculty leaders said Chancellor Bruce Poulton's administration boosted NCSU as a research institution with affirmative action, but added that he was too concerned with research and athletics.

Poulton played a major role in establishing NCSU as a top research university "by supporting research efforts and letting everybody know they would be rewarded," said Elizabeth Suval Crawford, last year's faculty senate chairperson.

"In some cases, he was able to allocate resources to enhance research," she said.

Crawford added that the faculty senate was less successful in dealing with Poulton on athletics and the problems of having Valvano serve a dual role as athletics director and coach.

"(Poulton) was fiercely loyal to Valvano," she said. "He had total confidence in Valvano. He was so loyal he could not understand the structural problems involved in that, having somebody supervise themselves.

"We (the faculty senate) were told Valvano would stay a year or two (in both jobs) then just become athletic director," Crawford said.

"He equated the ups and downs of the university with the athletic programs. He had a tendency to make too close a connection.

"I'm a fan too, but never in my wildest dreams did I think that N.C.

State athletics had anything to do with State's mission," Crawford said. "Sports are wonderful, but not anything about what the university is about. The two were tied too closely in his mind."

Since Poulton took over the chancellorship in 1982, research projects at NCSU increased from \$28 million to \$57 million, said John Kanipe, vice chancellor for development. In this kind of sponsored research, government and industry provide money for research in specified areas.

Non-sponsored research grew from \$14.5 to \$26 million during the same period, Kanipe said.

Since 1982, operating budgets and salaries also have increased among NCSU departments. Poulton prided himself in his ability to get funding and resources to the colleges, said Tom Honeycutt, who chaired the faculty senate in 1987.

Research also will benefit the Centennial Campus project, Honeycutt said.

"The plan was evolved to position the university for the future," he said. "We need space, space to grow. Research faculty members need space for equipment, offices, conferences. We have dug in as much as we can on this campus."

Robert Barnhardt, dean of the NCSU department of textiles, said, "To me, the major accomplishment is the vision to recognize the potential of Centennial Campus and what that would do for relations between industry and the university."

Among other things, it would



Jim Valvano and Chancellor Bruce Poulton after the '83 ACC tourney.

mean "financial support for graduate students and faculty," Barnhardt said.

However, the faculty expressed concern that emphasis on research would detract from undergraduate teaching," Crawford said. Some wondered if "dedicated teachers might not get promoted without research. ...In order to free faculty for research, that many of the undergraduate courses would be taught by temporary professors, part-time instructors, visiting professors or teaching assistants," she said.

When professors are doing research instead of teaching, undergraduates lose role models and the inspiration to teach, Crawford added, and students can get the message that teaching is not rewarded actively.

Dean William Toole of the College of Humanities and Social Sciences, said Poulton pushed NCSU to provide opportunities for minority groups.

"Through his leadership and encouragement of people who have worked with him, he established a commitment to affirmative action that has strengthened the moral climate of the university," Toole said.

Today, NCSU has more female administrators than when Poulton took over in 1982, Toole said.

Also, "minority coordinators are in all the academic units of the college," he said. "The chancellor has been dedicated 100 percent, with (Provost Nash Winstead), to improve opportunity for African-American students and minorities. That's been a theme for the chancellor," Honeycutt said.

## "Personal Fouls" Revisited



Jim Valvano



Bruce Poulton

The controversy surrounding Chancellor Bruce Poulton's resignation began last January, when the Raleigh News and Observer released a story about "Personal Fouls," a book by Peter Golenbock that allegedly uncovered corruption within the N.C. State athletics program.

A copy of the book jacket, which was distributed to the press by Simon & Schuster publishers, accused both basketball coach Jim Valvano and Poulton of wrongdoing -- overlooking positive drug tests, changing players' grades to allow them to continue playing and offering athletes cars and jewelry.

At Poulton and Valvano's suggestion the NCAA began an investigation into NCSU athletics. On Jan. 27, University of North

Carolina system president C.D. Spangler Jr. appointed a panel, headed by Board of Governors Vice Chairman, Samuel H. Poole, to investigate allegations of wrongdoing.

Simon & Schuster later announced that it would not publish "Personal Fouls." The book, originally scheduled for release on Feb. 16, was published by Carroll & Graf and showed up in bookstores July 28.

Over the summer, Poole told Spangler that members of the 1988-89 basketball team refused to speak to commission members and that Valvano would not release records of JTV Enterprises, his private company.

Poulton's resignation on Monday came four days before Spangler is scheduled to meet with UNC Board of Governors mem-

# Construction at NCSU



Michael Russell/Staff

Officials hope that new stoplights installed at Dan Allen Drive will prevent pedestrian accidents.

## Parking deck 2 months behind

By Bill Gotherman  
Staff Writer

Construction of the new Dan Allen Drive Parking Deck is nearly two months behind schedule.

The deck was scheduled to open Aug. 14, in time to accommodate the influx of students, faculty and staff for the fall semester.

But bad weather has slowed things down.

"We've had lots and lots of rain, ... fifty days over and above the normal rainfall (for the construction period)," said transportation director Janis Rhodes. "If we keep having rain, it will affect our (predicted) completion of the parking deck on Oct. 5."

Construction began July 15, 1988 for the \$8.9 million structure.

"The new deck will have 1,208 spaces, at an average cost of about \$7,300 per space," Rhodes said. The deck will be longer than two football fields and have entrances located on S. Dixie trail and Dan Allen at Yarbrough Drive.

NCSU's Transportation Department has adopted a contingency plan to handle the 478 people who have already bought DD — Dan Allen Drive Parking Deck — stickers. Harris Lot, located at the corner of Cates Avenue and Dan Allen Drive, is being assigned to DD permit holders only. The lot is large enough to accommodate everyone who has already been issued a DD permit. These permits are also valid in C/R, F and O spaces. DD permits will not be honored in N. S. C or R lots. Permit holders will receive a pro-rated rebate of \$3.00 per month, to be issued when the deck is opened.

No new DD permits will be sold until the deck is completed. The only other permits to be sold until Harris Lot is made available are approximately 600 Fringe (F) permits that will be on sale today and tomorrow at the Transportation office in the Administrative Services Center on Sullivan Drive, Rhodes said. Students will also be able to preregister for other stickers.

"We fully expect that with the demand that we have, all the spaces will be sold as soon as they are made available," Rhodes stated. "In the fall

of 1988, we turned away 5,000 people (who wanted permits)."

Fifty percent of the permits for the new deck will be faculty/staff, thirty percent for residents and twenty percent for commuting students. Spaces will be oversold by twenty-five percent for commuters, fifteen percent for faculty/staff and not oversold for residents. This allows more people to use the deck because not everyone is on campus at the same time. The Transportation Department has used this formula successfully for years, Rhodes said.

The deck will also have 100 spaces reserved for a "variable time/rate pay lot." This means that visitors or students without permits will be able to park for \$1.25 for one hour and \$3.00 for each additional hour, with a \$5.00 daily maximum.

Because NCSU has many more people than parking spaces, Rhodes suggests that students ride the Wolfline with it's park and ride lots, ride bicycles, mopeds or motorcycles and car pool.



Don Hurnhicut/Staff

The D.H. Hill Library extension is also scheduled for completion this year. The extension will hold books.

## Library may open in spring

By Robert Settle  
Staff Writer

The scheduled completion date of D.H. Hill Library's new addition has been pushed back again.

The company building the tower, Navarro Corp. of Pittsburgh, said the work will be completed within thirty days.

Nick Navarro, an officer and part owner of the company, has been brought in to expedite the process.

Still, N.C. State officials remain skeptical Navarro Corp. will keep its promise. "Given the general contractor's previous record of meeting deadlines, sixty days may be a better 'estimate,'" said John Fields, NCSU's construction manager said.

The addition was originally supposed to be completed July 31, 1988.

"I hope we could be in by December, but I don't realistically see it opening (to students) until next semester," said Don Keener, the library's assistant director for General Services.

Navarro Corp. is paying \$200 a day for being late.

Despite the new thirty-days-to-completion schedule, as recently as 3:35 p.m. Monday, no construction workers were on the job site.

The library still has much work to go before it will be complete. The walls need painting, much of the flooring is vastly incomplete and some of the carpeting that has been laid will have to be redone due to soiling and tears.

The D.H. Hill addition began over four years ago. Many people have wondered why the project has taken so long to execute when right down the street the University Towers building comparatively "sprang up" overnight.

"In government work there are more restrictions," Fields said. "A contractor is allowed much more independence in the private sector."

Once finished, students will have a reading room donated by last year's senior class. There will also be a handicap-accessible ramp leading from the front entrance area to the brickyard.

More parking will be provided by a new lot at the Hillsborough Street entrance. The side lot is being used for the new wing of Scott Hall and as the new walkway to the brickyard.

Once the building is finished, it will be even later before it will be ready for student use. Opening dates cannot be given until a completion date is confirmed to be accurate.

# NCSU professors receive promotions

Continued from Page 3b

Diagnostic Teaching Clinic. Cathy Crossland, has been appointed head of NCSU's Department of Curriculum and Instruction, effective July 1. She replaces Herbert Exum, associate dean of College of Psychology and Education, who has served as acting department head for the past year.

Crossland has been on the NCSU faculty since 1975. She developed and established NCSU's Diagnostic Teaching Clinic in 1983 and will continue as its director. The clinic provides assistance to parents and public school systems in diagnosing children with learning and behavior disorders. It also provides a training center for graduate students in special education.

A special education professor, Crossland was instrumental in obtaining for NCSU the first university grant to train special education teachers at the middle school level, grades 6, 7 and 8. Previous special education teaching grants to universities were to train elementary and high school teachers.

At NCSU, her research interests have focused on the relationship between public school systems and private health care providers in working with handicapped children.

Crossland earned a bachelor's degree in liberal arts from Virginia Commonwealth University and a master's degree in special education from the University of Tennessee (UT). She taught special education, reading and language arts courses at UT while working on her doctorate in education, which she received in 1975.

She is a member of the American Public Health Association, Association for Children with Learning Disabilities, Association

for Supervision and Curriculum Development, Council for Exceptional Children and International Academy for Research in Learning Disabilities.

### Poultry Science

Gerald Havenstein, poultry geneticist and department chairman at Ohio State University, has been appointed head of the Department of Poultry Science.

Havenstein took office July 1. The department head position had been vacant since June 30, 1988, when

James Marion resigned to become a dean at Auburn University.

Havenstein heads a teaching, research and extension unit at NCSU that supports North Carolina's largest agricultural industry. He has been associate professor and chairman of Ohio State's poultry department since 1986. Prior to that, he was director of genetic research for a poultry firm in Redmond, Wash.

The Kansas native received his bachelor of science degree in agriculture from Kansas State

University in 1961, and master's and doctoral degrees in genetics from the University of Wisconsin in 1965 and 1966.

He is a member of the American Association for the Advancement of Science, the American Association of University Professors, the Poultry Science Association and the World's Poultry Science Association.

### Agriculture Communications

June Brotherton has been appointed extension specialist and news

editor in the NCSU Department of Agricultural Communications.

For the last eight years, Brotherton has been director of public affairs for the N.C. Association of Electric Cooperatives and with Sunny States Publications, farm magazine publishers in Atlanta. She also has served as alumni editor at NCSU and as assistant director of the public service and information division for the City of Charlotte.

A resident of Cary, she is immediate past president of the N.C. Farm

Writers and Broadcasters Association and has served as president of the Communications Officers of State Department of Agriculture, of the Southern Association Information Officers of State Departments of Agriculture, and of Women in Communications, Inc.

In her new position, Brotherton writes and edits and provides communications training in support of the extension education and research programs of the College of Agriculture and Life Sciences.

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Say goodbye to mom's home cooking, and hello to ...



## Dormitory-room cuisine

By Heather Gool  
Staff Writer

At home, you've got it made. Spaghetti with chunky, tasty meatballs. Pork chops with homemade mashed potatoes. Big, fat, juicy steaks and corn on the cob.

But when you move into that college dorm, say goodbye to Mom's home cooking. Now you're on your own.

All alone, that is, unless you invest in a cookbook geared for hungry collegians — "The Starving Student's Cookbook," by Dede Napoli (EZ Cookin' Book Co., \$6.50).

Napoli, who lives and works in Fountain Valley, Calif., wrote the book for her son, Tom, who hadn't yet mastered kitchen skills when he left home for college.

The recipes in the small paperback are ideal for busy students: quick, easy and relatively cheap.

"There were no books geared for students who need to learn to cook," Tom Napoli said in a telephone interview, "my mother created the book by photocopying her favorite recipes and scaling them down for one to two people."

Dede Napoli decided to publish the cookbook because she believed other college students would need the help, Tom said. Now the working mother owns her own publishing and distribution company.

"The Starving Student's Cookbook," includes not only recipes for breakfast, lunch and dinner, it lists instructions for simple soups and salads, chicken dishes and "meatless meals." Also included: "handy hints" with a subtle touch of humor.

"Know how to tell a hardboiled egg from a raw one? The hardboiled will spin like crazy,"

### HANDY HINT



Let's see: The big spoon is the Tablespoon  
The little spoon is the Teaspoon

Napoli writes.

On another page: "Let's see — The big spoon is the tablespoon. The little spoon is the teaspoon."

Recipes were specifically selected with students in mind. Tom Napoli added. Instructions for "late night chicken soup" include footnotes like, "When you are up all night studying, try this instead of coffee to pep you up."

N.C. State students, like students everywhere agree there's a special art to dorm room cooking.

"It isn't too hard to cook with a microwave and toaster oven," says sophomore Wendy Eaves, who lives in Lee Residence Hall. "For chicken

you just have to cut it into smaller pieces, and you have to remember not to put hamburgers in the oven, because the grease will leak.

"Other than that, it isn't hard. It just takes longer."

While adjusting to college cooking, Eaves has even created a few of her own recipes — like "pizza bagels."

"I just take a bag of mini—bagels, slice them, add pizza sauce and my preferred toppings, pepperoni and cheese," she says. "Cook them in a toaster oven at 350 degrees until the cheese melts."

Other students, like freshman Lynn Geraci, stick to basics. "I've cooked microwave popcorn, macaroni and cheese, soup and reheated pizza," she says.

Before you start hauling in the cooking appliances, it's a good idea to check dorm room regulations. According to Cynthia Bonner, director of housing and residence life, university guidelines allow microwave ovens, toaster ovens, popcorn poppers, crock pots and any other appliance that uses less than 1800 watts.

Because of fire hazard regulations, electric frying pans and deep—fat fryers are not allowed in dorm rooms, Bonner adds.

"Most students do comply with these guidelines," she says. But for those who don't want to deal with the in—room cooking hassle, local burger joints are tempting but expensive. The nearest campus snack bar or cafeteria, however, is always ready to serve up some food.

"The (dining hall) menu is on a four—week process," says Art White, director of university dining. "A dietician works with a computer to make sure the students receive the proper nutrients but not the same meals every week."

## Don't worry, you too can be tutored

By Dan Pawlowski  
Senior Staff Writer

Some students cry after a bad grade. Others yell at their roommates. A few give up.

And some get tutors.

The N.C. State Academic Skills Program, established 15 years ago, answers the desperate cries of many students by providing tutors.

Ann Mann, coordinator of tutoring, says the program provides assistance in math, science, English, foreign languages and most 100— or 200— level courses.

All students have to do, Mann says, is stroll over to Academic Support Services at 528 Poe Hall.

Students who currently take courses for credit are assigned tutors on a first—come, first—serve basis. Students taking independent study courses, however, may not apply for tutors.

Since the tutoring service began, it has had plenty of customers, Mann says. "We mail students questionnaires at the end of each semester in order to get feedback, and most students are satisfied."

But no match is perfect. If a student is not satisfied with a tutor, the student can file a complaint and request another one, Mann says. Students may use the service for up to two courses per semester.

Mann insists that a tutor's job does not include doing a student's homework. "Tutors are here only for assistance," she

says. "They are not required to teach."

In order to keep expectations intact, some tutors meet with instructors to check progress during the semester.

Tutors meet with their students a maximum of two hours a week, but exceptions can be made, Mann says.

Each semester, the program receives about 1,000 requests for tutors. The department works hard to meet every request, Mann says, but students are required to sign a contract to ensure that they stick with the program.

Rule number one: You must attend all meetings with your tutor. Students with unexcused absences are removed from the program.

Tutors are students themselves, most of them upperclassmen and graduated students. Part—time lecturers and professors also participate, Mann says. Students who want to be tutors are required to have an A or B in the course and a 2.5 overall GPA.

Tutors not only receive hands—on teaching experience, they also are paid for their efforts. Undergraduate tutors make minimum wage, while graduate students start at \$7.50 an hour. Part—time teachers make \$10 and hour, while tutors with doctorates can expect about \$15 an hour.

The tutoring service is available for fall, spring and summer sessions. Students interested may sign up in 528-A Poe Hall or call the office at 737—3163.

## Lean on Counseling Center

By Judd Briggs  
Staff Writer

Going to college is a trying time for everyone. A new environment, course overload and peer relations can lead to physical and emotional stress. The N.C. State Counseling Center can help.

Located in Harris Hall, the Counseling Center offers help for students with problems either by appointment or by walk in.

Counseling center director, Dr. Lee Salter, says the center offers three major categories of student counseling. Personal, academic and vocational help are provided, free of charge, with the exception of a vocational testing fee of five dollars.

Under personal counseling, the center can help individuals, couples and many others with simple problems to psychological assessment and psychiatric consultation.

Academic counseling offers information on pre-admissions, course and curricula, and NCSU policies and procedures.

For vocational counseling, with personality testing and career interests, the center can aid a student in choosing a

major.

Presently, students come to the counseling center for a variety of reasons. Dr. Salter said. However, during the 1970s drugs and alcohol were the norm. Dr. Salter added, these types of problems have dropped due to awareness programs through the schools and the media.

Dr. Salter wants students to know that the Counseling Center is here for them, even if the problem is not a crisis.

In addition to counseling, the center offers special support groups like Adult Children of Alcoholics. They also offer educational workshops such as Stress Management and Test Anxiety Reduction.

Also located within the Counseling Center is the Handicapped Student Services which includes tutors and interpreters, as well as services for NCSU students with physical and/or learning disabilities.

Reaching out to one-third of the student body, the center still wants to help more people with their problems. So, if you have a problem, don't hesitate to visit the Counseling Center.

## To charge or not to charge? That is the question facing NCSU students today

By David Brock  
Staff Writer

With college comes one of the most important decisions of your lifetime—whether or not to accept credit.

Before applying for credit, a student has a lot to consider. For instance, building a strong credit history early in life will help in the long run, however, a dark credit rating has devastating repercussions.

According to Bill Ahearn, a vice president with Citibank, getting credit is much easier for students but the process is much different.

"We can't look at the same things for students as we do for regular customers," Ahearn says. "Because their circumstances are different, the things that we look at most, such as job history, a residential history, and a credit history, are the things that students usually lack."

The most important thing that companies look for is some type of income. Ahearn says that even a proprietary allowance may get someone a card.

Then, companies look at a student's credit history.

Under most circumstances, if they meet all the necessary criteria, students are issued the minimum balance furnished by that financial

institution.

According to Ahearn, the amount offered is usually between \$500 and \$700 dollars. However, if a student can show means of a steady income, he or she may receive a limit increase. Unfortunately, it is here where a lot of students get into trouble by overextending themselves.

Be sure to read the fine print. Linda Turner, an Area Sales Manager for Credit Bureau Incorporated, says "Students need to be more responsible when they read applications and when they have a credit card. They not only need to read it, but they need to understand it."

Students' records are reported to the credit bureau, and these files are available to financial institutions upon request. "If you do something, such as miss payments, or make your payments consistently late, this will stay on your record for seven years," Turner says. "And if you declare bankruptcy, that stays on for ten years. This will or could affect future credit or loan applications."

As long as it is used wisely, credit is an asset. "Despite what people think, students are very responsible. In fact, our student customers are more reliable than others," Ahearn says.



# Pullen Park offers variety of colorful sights

By Douglas Grant  
Staff Writer

What is every color of the rainbow, has over 200 legs and consists of a variety of "Lions and Tigers (but no Bears), Oh, My?" Answer: The Dentzel Company Carousel Department located at Pullen Amusement Park, N.C. State's neighbor to the East.

The carousel is owned and operated by the City of Raleigh Parks and Recreation Department.

Consisting of seventy acres (more or less) the park has been operating "...for the use, enjoyment and recreation of the inhabitants of and visitors to the city of Raleigh..." as specified in the deed executed to the city by the original land owner since March 22, 1887.

Richard Stanhope Pullen (1822-1895) donated the land, which today is the home of not only Pullen Park, but also NCSU.

The only stipulation to the Pullen deed was that the land be used for the people. It is historically rumored that the division of the land between the park and the university was accomplished by allowing a mule, tethered to a single blade plow, meander as he wished. Land west of the furrow was university property, and the park received what remained east of the line.

Pullen Park has had a variety of sights and facilities during its 102 years of existence.

The first swimming pool ever in Raleigh (1891) was constructed completely of wood, by Wiley A. Howell, Keeper of the Park, and financed by Pullen.

Five days a week this L shaped, creek filled structure was open only to males, who would swim in the nude. The remaining days were reserved for female bathers who wore bloomers down to their ankles, stockings and slippers while enjoying the refreshing water.

Later, a Raleigh police officer was assigned to measure the height of female swim wear on the body to determine if the bathers were in violation of a city ordinance against baring too much skin.

The present pool was built in 1935 with funds from the Works Progress Administration, a fund for employment victims of the Great Depression.

Animals were also a historical part of the area. Howell Lake, named after the first park manager, was home to alligators during the early years.

According to a story told by Howell, a young girl donated her 16" pet alligator to the park. Not long after, it was released into the lake, one of the residents, a 3 year old gator "...picked up the small one, and shaking him, swallowed him down at a gulp."

Pullen Park Zoo was started in 1899. By 1911 the zoo family consisted of 54 residents. In 1927, a buffalo named Joe was donated to the park. A local veterinarian, Lafayette Koonce, was dispatched to give the animal a physical and determine if it was in fact a true buffalo. The bet removed a nickel from his pocket, compared the likeness on it to his patient, and then declared, "Yep, that's a buffalo."

With the university so close, and students being students, the park was not immune to college pranks. In 1908 several students convinced one of the park's bears to leave his home and travel to Pullen Hall Auditorium where within a few hours College President D.H. Hill would conduct chapel services. Upon discovery of the visitor, President Hill said, "without argument chapel was adjourned that morning."

Although no longer used as such, the large building between the pool and the lake was at one time a roller skating rink. On warm spring and summer nights, people uninterested in skating could participate in outdoor dances on the grounds surrounding the rink.

Today's Pullen Park is a contrast between current activities and those of the past.

The horse and buggy that took patrons through the park in years past has been replaced by a small gauge train that circles the park providing riders with a spectacular view of the area during their .8 mile jaunt.

Paddle boats navigate the waters of Howell Lake, sharing the water with several species of waterfowl who stop over on their journeys north and south.

Although fishing is prohibited, be sure to bring a loaf of bread with you to satisfy the voracious appetites of the ducks and fishes.

Young people and those young at heart are catered to at the park. Located adjacent to the main parking lot is a "kiddies" playground that includes swings, monkey bars, a children's boat ride and an actual railroad caboose donated by the Norfolk and Southern R.R.

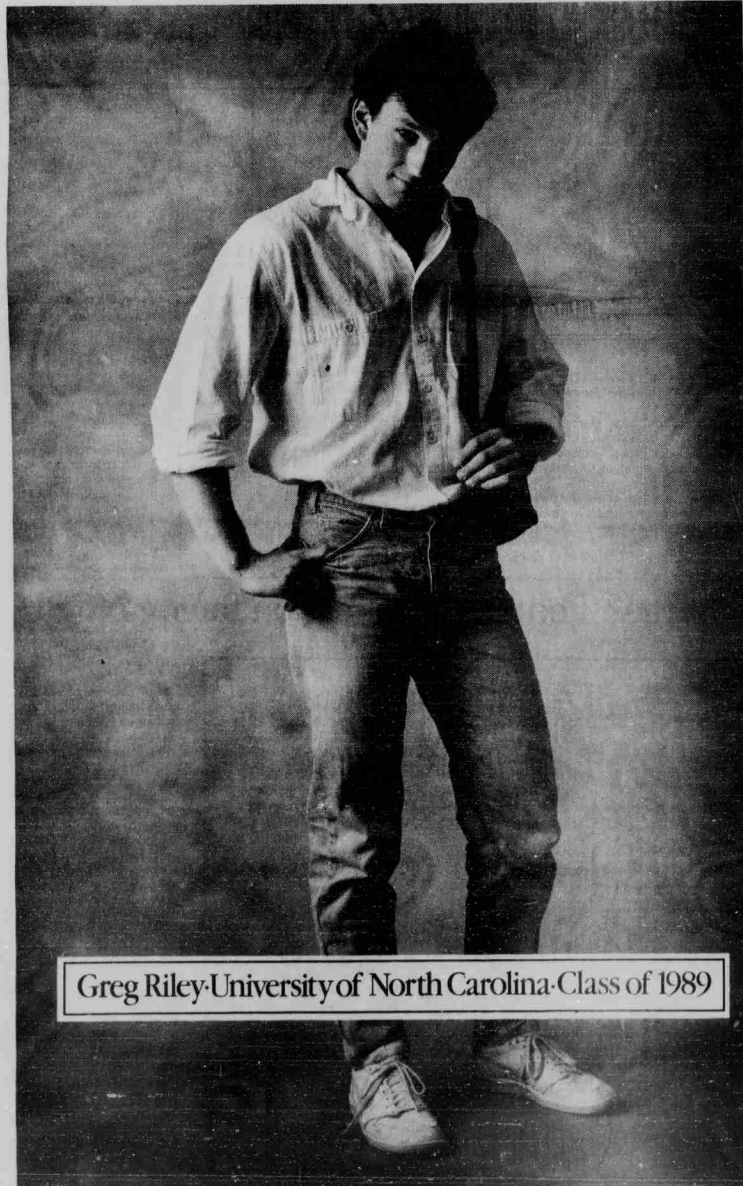
There are several picnic areas and shelters that can be reserved for six or 12 hour gatherings. Rates vary depending upon the area and type



Ballons were a popular item during the 1970s at the park. Richard Pullen donated the land and made a stipulation that the land be used for the people of the area. The park used to be a zoo, and in 1911, had 54 residents.

See PULLEN, Page 7A

“I don't want a lot of hype. I just want something I can count on.”



Greg Riley - University of North Carolina - Class of 1989

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# Pullen Park offers variety of sights

From **PULLEN**, Page 6A

of shelter, and reservations through the park office are required. Alcohol possession and consumption on the property is not allowed, and if you plan to bring your pet, it must be leashed and under constant control.

If an early morning or late evening stroll is of interest to you, the park provides an array of flowers, and an abundance of walkways through the trees and plants indigenous to this area as well as a clean and well kept area for a relaxing time.

By far one of the most popular attractions is the carousel. In 1988 its ridership was 366,402.

Purchased by the city in 1920 for \$1,500, the carousel is one of the few remaining in the country today. A complete restoration (begun in 1978) of the 52 hand carved bass wood animals and two chariots was completed in 1982. While in operation, music is provided for the riders by a 1924 Wurlitzer 125 Band Organ.

The 52 animals of the carousel are a concoction of Lions, Tigers, Horses, Ostriches, Rabbits,

Giraffes, Pigs and Deer. The Lead Horse (every carousel has one) fashioned with an American flag and Eagle on its side and the big cats are insured for approximately \$30,000 each.

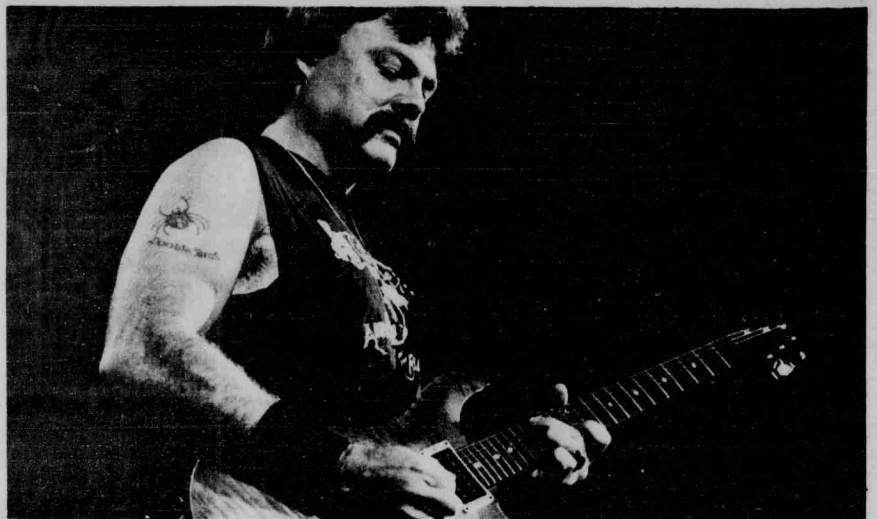
The other animals have insurance on them ranging from 8-10,000 dollars. In 1985 the entire ride which includes the shelter around it was valued at just over \$1 million.

Regular office hours for the park can be obtained by calling the park office, but generally it is operational from the second Friday in March through the last Sunday in November, 9AM-9:30PM, seven days a week.

According to Marvin Howell, Park Manager, Pullen offers scheduled events throughout the year.

"So far we have scheduled concerts by the NCSU Symphonic Band, Jazz bands participating in the Fumbrian Jazz Festival, a magician and story teller and the 440th Army National Guard Band. We try to have at least one concert per month."

Interested persons may contact the park office at 755-6468 or write to Pullen Amusement Park, Raleigh Parks and Recreation Department, 520 Ashe Ave, Box 590, Raleigh,



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Tom Johnston leads the Doobie Brothers during an August 18 concert at the Dean E. Smith Student Activities Center in Chapel Hill.

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# Complete tuition increase set for fall

By Wade Babcock  
Assistant News Editor

Many N.C. State students who have already paid their fall 1989 tuition bill will be in for a surprise in October. They didn't pay all of it.

The North Carolina General Assembly passed a bill for a 20% tuition increase effective for the fall 1989 semester for in-state students, and a 15 percent increase for out-of-state students. However, only about 40 percent of the student body was given the full tuition hikes.

The rest saw only an 8.5 percent increase. This happened because the original State House bill calling for the smaller increase was defeated in favor of the 20 percent bill, but NCSU officials had already prepared the bills with the smaller amount.

The total for tuition and fees per semester will be \$525.00 for in-state students and \$2776.00 for out-of-state. If the bill you received did not reflect these amounts, expect the difference to be added to the course and lab fees billing which will be sent in October.

"We tried to prepare for the increase so we added the smaller

8.5% to the bills we sent out in July. We've probably got about 60% of the bills done correctly to the 20% increase, and the rest will be sent out with lab and course fee bills in October," said William Styons, Director of University Cashiers and Student Accounts.

The tuition increase was announced two weeks ago after billing had commenced for the fall semester. "In the 27 fall semesters in my experience, this is the latest notification I've had," Styons said.

The tuition hikes were passed at the end of a record-long legislative session that saw a 5 cents per gallon gas tax increase that goes to teacher pay increases and a \$2 million appropriation for further studies regarding NCSU's proposed Centennial Arena.

"(The tuition) is still a great rate compared to other universities," said Styons. "It's just an unfortunate thing that it came that late, the timing is a bit confusing."

Whether or not the increase will effect enrollment can not be seen until later this year according to Styons, but he says very few if anyone will change their mind.

Lee Atwood, Clerk Supervisor with Student Accounts, said, "It's a shocker but most people just accept it."

# Let your fingers do the connecting

By David Honea  
Senior Staff Writer

Southern Bell's new Righttouch service, designed to take the hassle out of getting phone service, may not be the blessing it was made out to be.

Students attempting to use the three Righttouch units on campus have reported standing in line for over two hours, and often found machines "temporarily out of service" when they did reach the front of the line.

The longest lines were for the two machines in the Student Center lobby, both of which went down around noon on Tuesday. "One of them has been off for 45 minutes, and the other one quit about 15 minutes ago," freshman Shannon Wernli said Tuesday afternoon.

"We're having some minor software problems," said Mark Collins, a community relations manager for Southern Bell.

He said software engineers were working with the main computer in Birmingham, Alabama to

fix the problem, and it should have been fixed by Tuesday afternoon.

However, the Student Center machines were still not working at 9:15 p.m.

Wernli said she had been waiting for about two hours in her first attempt to get phone service. "Every time I walked over here before, the lines were even longer than this," she said.

Several students complained that the Righttouch centers were unnecessarily slow even when they were working. "There's way to much explanation, and some people listen to all of it," said sophomore Robert Reynolds.

"They ask a lot of stupid questions, too," added freshman Bristol Martin. "Are you employed? How many long distance calls do you expect to make? Why do they need to know that just to hook up a phone?"

Students in line indicated that each person could take from 5 to 15 minutes using Righttouch.

"We're sorry for any inconvenience," Collins said.

He said the average time a person spends on the

machines is seven to 10 minutes.

The line in the library annex moved faster Tuesday, as the machine there stayed in operation. "I've been here for about an hour and a half," said freshman Debra Roelofs, who was at the front of that line.

Most on-campus residents were offered a chance to sign up by mail early in the summer, but Roelofs said she didn't because "I didn't think it would take this long." Others in line echoed that sentiment.

The crowd at the library cheered sarcastically as the man in front of Roelofs finished after some twenty minutes at the terminal. Roelofs sped through without pausing for directions and finished in seven minutes, prompting a more sincere cheer as she left.

The Righttouch service was designed to allow people to connect and disconnect their phone service through a computer, either via touchtone phone or through special units like those on campus. Those units have been permanently in place since last year, but are rarely used outside of the first and last weeks of school.

## Projects near completion

Continued from page 1A

Coliseum. The "Alumni Centennial Gateway" has been planted with crabapple trees and awaits only the rest of the funds from the Alumni Association before building the eagerly awaited arches.

Although the D.H. Hill addition is nearly done, construction near the library will continue with renovations to Scott Hall. The ground has been graded at the site, to the west of the library, and 33,000 square feet of new space will be built onto Scott Hall. Everyone in the old building will be moved into the addition, and the 32,000 square feet of old Scott Hall will be renovated. The total cost will be \$9.3 million, and the project should be completed in about two years, Fields said.

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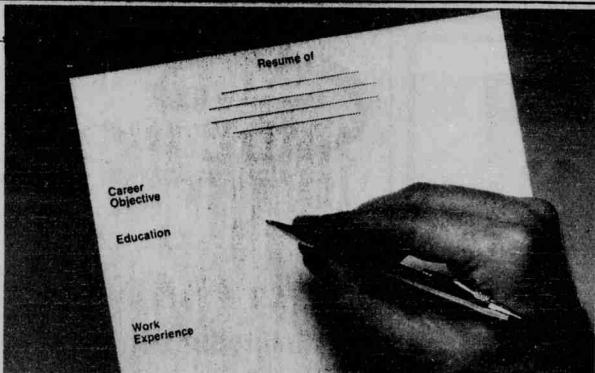
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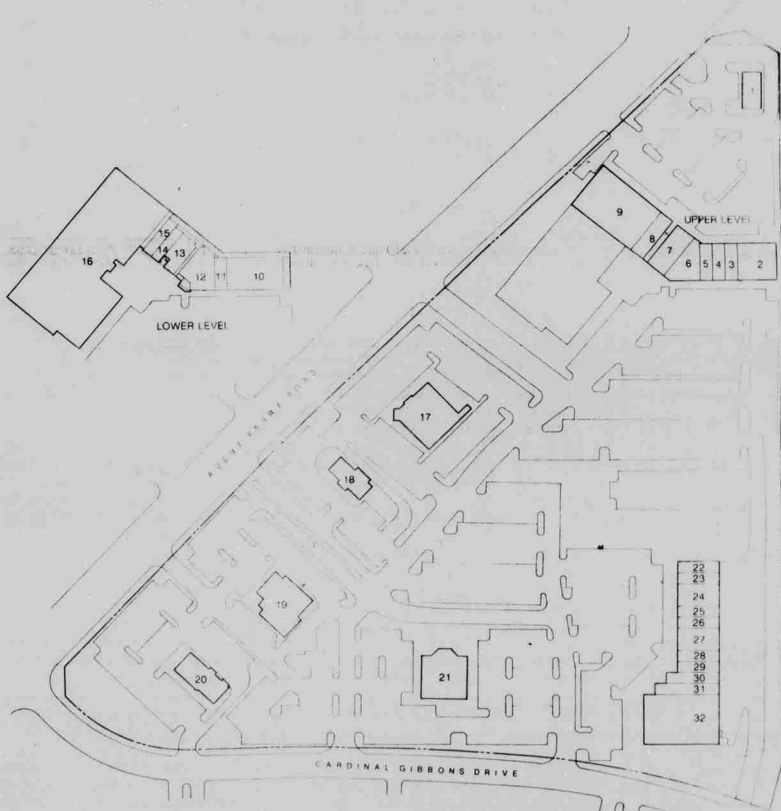
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# Technician Opinion

A paper that is entirely the product of the student body becomes at once the official mouthpiece through which the thoughts, the activity 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

### Good-bye beneficial??

Chancellor Bruce Poulton said Monday that his resignation was in the best interest of the university. Although we realize the complications both students and administration will face with a new chancellor, we agree with Poulton.

Poulton's resignation hurts N.C. State in two ways. First, he apparently is admitting some guilt in the raging "Personal Fouls" investigation, because C.D. Spangler Jr., president of the University of South Carolina system, has yet to release his findings to the Board of Governors.

This admission alone has undoubtedly tarnished NCSU's reputation.

In addition, Poulton's resignation jeopardizes the growth of the university. The chancellor, who has served since 1982, has brought millions of private and public dollars to NCSU, as well as launched the Centennial Campus and Centennial Center projects. His decision to leave the University may cause an extensive loss of funds, as well as a stagnation of the centennial projects.

Still, this sudden event has advantages. Although the resignation does not take effect until next month, we believe it is better that Poulton stepped down now, with the academic year just beginning.

We believe the ball is in basketball coach Jim Valvano's court now, and it's high time he stepped down from one of his two university positions, preferably that of athletic director. Such a resignation would benefit the university and allow Valvano more time to do what he does best — coaching. Valvano has always had good intentions, but he has failed to keep himself in check.

While Peter Golenbock's now-famous book proved to be little more than a collection of rumors, it did manage to prompt an investigation that may lead to a cleanup of NCSU's athletics department — as well as college athletics programs across the country.

The university should hire former University of Alabama athletic director Steve Sloan as its new athletic director. In his three years at Alabama, Sloan tried to clean up the university's athletics program, putting a greater emphasis on academics, and was forced out for doing so.

Three people being considered for the NCSU chancellor position are former N.C. Governor James Hunt, former UNC system president William Friday and Jasper Memory, vice president for research at UNC General Administration.

Hunt is a highly visible candidate. He was known as the "education governor," and would undoubtedly strengthen NCSU's academic integrity.

Friday, like Hunt, is an NCSU alumnus and in touch with both the university and the UNC system.

Memory, as a General Administration member, also would have experience in dealing with university officials.

With three such candidates, NCSU is guaranteed to get a qualified chancellor who will work for the best interests of the students.

Like everyone else, we anxiously await Spangler's Friday meeting with the Board of Governors and NCSU Board of Trustees, and we hope that whomever is named as NCSU's new chancellor, he or she will put a very stormy year behind and move on.

### Welcome back students

So you've returned. We're glad you've decided to stay despite the "Personal Fouls" scandal that has resulted in Chancellor Bruce Poulton's resignation.

Welcome back. You still can look forward to another year of early morning classes and late-night study sessions, of outrageous prices at the bookstores and inexpensive and (if not as tasty as Monday) nutritional food from NCSU's award-winning dining services.

We expect to see you tailgating at Dick Sheridan's Peach Bowl. Millions do as proud once again on the field, and we hope to see you celebrating basketball victories with bonfires on a newly rebuilt brickyard behind the new D.H. Hill Library addition. (Providing the men's basketball squad can weather the "Personal Fouls" storm that blew in the winter and grew into a summer hurricane that won't go away.)

Look for non-scandal sports excitement from the Wolfpack women as the highly-rated soccer

squad boots the other booters off the field, and Kay Yow, coach of the 1988 Olympic gold-medal winners, leads her cagers to another winning season.

We hope you all brought your hard hats with you, because the seemingly unending campus construction continues.

The Dan Allen Drive parking deck and the new library addition have yet to be finished, and the old commuter parking deck is scheduled to close for renovations because its 10,000-pound slabs of concrete have been falling off.

In the meantime, parking on campus will be as bad — or worse — than usual. Fewer parking stickers have been sold, so more of you will be parking illegally and ducking ticket writers.

Study hard, but be sure to relax with the entertainment NCSU provides.

Despite the controversy, we're glad you remembered NCSU is a top-notch educational and research institution as well as a fun place to go to school.



## Columns

### Technician: NCSU's bold frontier

Welcome to N.C. State's student newspaper, Technician.

Technician is the nation's largest collegiate three-weekly and winner of 16 Associated Scholastic Collegiate Press awards. In the last two years, we have won eight Columbia University Gold Circle awards for page design and art illustration.

"Big deal!" you say. Well it is.

Technician is totally student run, except for the advertising manager position. Unlike most college newspapers, Technician does not use a wire service or have full-time production managers. What we do have is 100 dedicated students who often spend more than 40 hours a week producing what we think is the country's best student newspaper. These students write and edit the articles you read, take the pictures you see, and sell and design the ads and coupons you clip. These students also lay out the copy that is sent to Hinton Press in Mebane for printing. Except for the printing, the newspaper in your hands was created by student hands from start to finish.

Technician is the major information source serving the NCSU community and the news department will continue to provide you the best campus coverage. But, in order for us to serve the university better, our News, Sports, Sidetracks and Opinion departments are expanding their campus coverage, and we are unveiling a new department.

On Mondays, Frontiers — a department covering the technical and agricultural aspect of our campus — will appear in the paper. Frontiers will cover a variety of subjects ranging from the joint Mars venture between NCSU and N.C. A&T to an NCSU scientist leading a rain forest

### Dwuan June

Editor in Chief

expedition. If it has anything to do with science, it has a lot to do with Frontiers.

After a long week, most students look forward to the weekend to relax, go to a nice play or festival or unwind at a club. Technician would like to assist you in your leisure search, so today, Happenings makes its debut.

Happenings, a branch of Sidetracks, will be a four-page section with a column highlighting the weekend's top activities on the first page along with an arts or music-related feature. Inside will be a calendar listing the month's activities so you won't miss any of them. Happenings appears on Wednesdays so you will have plenty of time to plan your weekend.

Speaking of weekends, Saturdays are usually big days in sports. NCSU is home of the 1988 Peach Bowl champions, plus the defending ACC women's soccer and wrestling champions as well as ACC regular season volleyball champions. Reynolds Coliseum is home to the men's and women's basketball teams. It can be very difficult to find a newspaper that provides better coverage of NCSU's athletics than Technician and to ensure that coverage stays top notch, the newspaper will have a four-to-six page sports section every Friday.

There is more to the newspaper than

science, features and sports. Technician is the mouthpiece of the students. As Technician's founders said 69 years ago, "A paper that is entirely the product of the student body becomes at once the official organ through which the thoughts, the activity and in fact the very life of the campus are registered. It is the mouthpiece through which the students themselves talk." In the past Technician has had a strong editorial voice, as it will this year. That voice appears in the unsigned editorials you see to the left of this column. These editorials reflect the staff's opinion.

To balance our editorial page with other points of view, we hope to have at least six different opinion columnists. The views of opinion columnists do not reflect the newspaper's opinion, even though they appear on Technician's opinion page. Sometimes, the columnists will have rational arguments that you may agree with. On the other hand, the columnist may write a column you don't agree with. That is why we have Our Readers Respond. ORR is open to anyone wanting to voice his agreement or disagreement with Technician coverage or its views.

Letters are likely to be printed if they deal with significant issues, breaking news or public interests. They must be limited to 300 words and must include the writer's address and phone number for verification. If the writer is a student, the letter must include classification and curriculum.

This is your student newspaper and we hope you find it enjoyable, readable and the best piece of journalism you will pick up this year.

Dwuan June is Technician's Editor-in-Chief

### Declaring a war on NCSU ignorance

Editor's Note: The column was written before Chancellor Bruce Poulton's resignation.

As student body president, there are many pressing issues. My staff and I have been very busy this summer working on such issues like the tuition increase and the Personal Fouls controversy.

This year, we also hope to have teacher evaluations published, push for further development of the Peer Mentor Program as well as solidifying the academic integrity of the university.

This year's administration will work under the slogan: Declaring War on Ignorance. Ignorance covers social, academic, racial as well as environmental ignorance.

To combat ignorance, one of the programs we have started is Adopt a Part of Campus program. Patterned after the state's Adopt a Highway

### Brian Nixon

Student Body President

program, the program will allow campus organizations to adopt certain parts of campus to keep it clean.

My administration is dedicated to preserving the environment. I've had several meetings with Physical Plant Director Brian Chase and he is committed to help us make N.C. State a better campus.

In order to be accessible with the students, I have created, in cooperation with University Dining, "A Night with the President." Beginning September 12, I plan to dine at the Dining Hall and acquaint

myself with incoming freshmen. The purpose is three-fold. First, we need to make Student Government visible. Second, Student Government needs to recruit young, talented people. Finally, we need to listen and talk with students about campus problems.

The program we also have guests that included Chancellor Bruce Poulton, Vice Chancellor of Student Affairs Dr. Thomas Stafford, football coach Dick Sheridan and athletic director Jim Valvano.

With God's help, we will accomplish these goals. WKNC has granted us a 2-minute "Report from the President" slot to keep people informed of our activities. WKNC will also broadcast my "State of State" address on Sept. 20.

I wish everyone a good semester and the best of luck in the future.

Brian Nixon is Student Body President.

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Serving North Carolina State University since 1920

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BRUCE

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Our Readers Respond

# Former athlete thanks university for opportunity

*Editor's note: The author played football for N.C. State from 1967-1969.*

My most bitter memories of N.C. State were of the Hugh Fuller types who treated me with contempt and disdain because I was a scholarship athlete. These voices were always loud, shrill and revoltingly pious. Continuously they used technocratic rhetoric, issued verbose memoranda and sponsored Faculty Senate resolutions expounding their philosophy, but never, never did they help me or my scholarship peers with any tangible or significant help in achieving our academic goals. Because of time constraints imposed by demanding games and

practice schedules, and the enormous physical schedules and the enormous physical and mental stresses involved in college athletics, athletes should be provided with special help and special assistance to help them with their college work. Cryptic memoranda and Faculty Senate resolutions are useless and self-serving.

Our athletes need help! Not disdain and not contempt! The faculty needs to understand their special needs and problems and formulate plans and programs that will assist them in achieving the academic success we all desire. Scornful media bashing is reprehensible! I have also learned from Hugh

Fuller's newspaper articles that my academic adviser, my scholarship friends and I "abused" university rules and regulations. ...

Yes, I dropped classes to protect my GPA. Tutors helped me prepare for tests and exams. I took an incomplete. I enrolled in easier elective classes to improve my GPA. I chose courses taught by professors more to my liking. All of these I did within the legitimate rules of the university. Likewise, most all of my nonscholarship friends used these same rules. ...

Abuse? Manipulation? How absurd! These methods are used literally by every college student ... to enhance their GPAs.

Why is it when an athlete uses these methods to keep his eligibility and maintain his scholarship, it is called abusive? What is it called when a fraternity brother uses these same methods to maintain or improve his GPA to remain in school or avoid academic probation? Has Hugh Fuller tracked the Kappa Alpha or Sigma Alpha Epsilons — kids with wealth and privilege — to see which illogical classes they are

flunking?

Of course not! They are kids from well-to-do white families of influence. They are not athletes, not poor and not black. Mr. Fuller's fascination with the basketball team, composed mostly of underprivileged black athletes, smacks of racism and elitism. Chancellor Poulton, I sincerely appreciate the help you and your administration have provided our athletes, for I have been down that difficult and lonely road. During my journey I encountered too many Hugh Fullers, for which I still have bitter memories.

I owe my engineering degree and subsequent financial success to the athletic department for the scholarship and guidance they provided a kid with no money to attend college. I will always be indebted to athletics. ...

Please keep up the fight. There are thousands ... ready to fight for you.

Art B. Hudson  
Greenville, S.C.

# Public Safety cruel to horses on patrol

It is most humiliating to work for a university that is inhumane to animals. As I was leaving the campus after finishing an exam at 5 p.m., I encountered a lazy Public Safety officer sitting on a horse while directing traffic. I do not know what Public Safety's rules are regarding the detachment of a horse from his rider while on duty, but the entire scene made me sick. Cars were riding past both ends of the horse only inches from his nose and tail with the temperature being 92 F! The horse appeared dazed and sluggish due to the confusion, noise

and heat. Animals are just as prone to heat stroke and anxiety as humans and anyone who treats an animal so perversely does not deserve the right to have or use that animal for any reason. I would like to take that Public Safety officer out to the airport when the temperature is pushing 95 degrees and have someone sit on his shoulders for an hour while airplanes buzz by his face only a few feet away!

Amy Mattheis  
Asst. Dir. Student Services

# Don't bite source

I noticed a peculiar dualism in your August 2 edition of Tech. On page three we have the anti-News and Observer editorial ("it makes us want to puke") and on page four we have the story on "Personal Fouls," which, I dare say, derives 90 percent of its information from articles published in the aforementioned newspaper. So how, exactly, do you see the N&O — rumor-monger or prime source of information for Tech-articles?

Might I suggest that you bear in mind the proverb that says not to bite the hand that feeds you. Or in this case, not insult the paper that writes your articles for you.

Jacob Stohler  
Raleigh

*Editor's note: Tech was the summer edition of Technician.*

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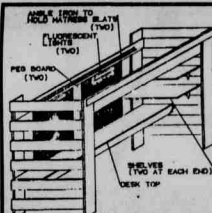
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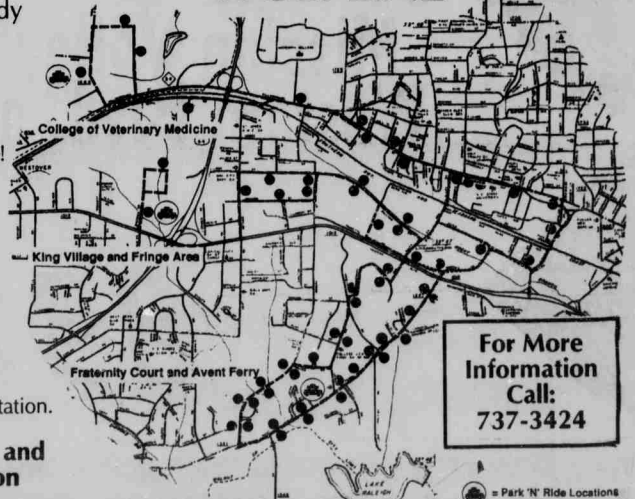
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## Sellout crowd greets Carolina's Kickoff



Marc Kawanishi/Staff

The New York Jets overcame a 7-3 halftime deficit to defeat the Philadelphia Eagles 19-10 in an NFL preseason exhibition game Sunday night at Carter-Finley Stadium. The game was part of Richardson Sports' bid to bring an NFL franchise to the Carolinas.

By Lee Montgomery  
Senior Staff Writer

It had all the ingredients of a college game. Cheerleaders, fireworks, bands, parachutists and a large, enthusiastic crowd. Even B.J. Thomas, who sang the National Anthem.

But the excitement soon wore off and everyone realized they were at an NFL pre-season exhibition game.

The game, billed as "Carolina's Kickoff '89," was not really as important as the event. Richardson Sports, headed by Mark and Jerry Richardson, is trying to bring an NFL franchise to the Carolinas. They lured the New York Jets and the Philadelphia Eagles to Carter-Finley Stadium and enticed 52,855 people to shell out 20 a pop for a ticket.

"We couldn't be happier," Jerry Richardson said. "To expect more than this would have been unreasonable. We sent a great message tonight."

"Where do we go from here? We keep on working. We need 21 votes and we lobby every day. All indications are, [NFL officials] felt it was an exceptional night."

Oh, by the way, the Jets won, 19-10, reeling off 16 straight points in the second half.

The game was a homecoming of sorts for several players. For Philadelphia, Izel Jenkins and Reggie Singletary played at N.C. State. Henry Williams at East Carolina, and William Frizzell at

North Carolina Central. The Eagles' Mike Quick also starred at State, but did not play due to a contract holdout. The Jets' K.D. Dunn played at Clemson.

"I was nervous," Jenkins, who bought 30 tickets for family and friends, said. "I guess I had something to prove. But I said to myself not to try to make things happen."

"This is where I started playing football—I walked on the team. It's a big thrill just to be out here and play in front of the crowd," Jenkins said. "Basketball is not the only thing here, football will be here, too."

"When I was at State, we had big turnouts for football games. I thought that the game would fare well here. Football is something we don't have here—the only time you see it is during college season."

Jenkins, who will start at cornerback this season with the Eagles, made two tackles and broke up two passes during I's short work Sunday.

Randall Cunningham, the starting quarterback for Philadelphia, enjoyed playing in North Carolina.

"I think it was great," he said. "The crowd was really on our side. When the Jets came out, it was half booing and half cheering."

"When we came out, it was a lot of cheering. It's a nice stadium."

"The lockers just need to be a little bit bigger," Cunningham joked. But he had a point. The NFL teams are carrying 80 players each and there were some huge guys sharing lockers.

Frizzell, a five-year pro from Central, was a star after the game in the lockerroom.

"It's good to come home," he said. "A whole lot of people would



Izel Jenkins

See COLLEGE, Page 5B



Scott Jackson/Staff

Charles Davenport hands off to Brian Roxburgh during practice Tuesday.

## Montgomery, Davenport to split time at quarterback

By Lee Montgomery  
Senior Staff Writer

One of the many highlights of last football season was coach Dick Sheridan's "revolving door" at quarterback. Sheridan was both praised and criticized for using two quarterbacks in different situations.

To those who may not remember the situation, sophomore Preston Poag opened the year under center and started the first five games. But junior Shane Montgomery inherited the starter's role against North Carolina.

Poag returned to start against Clemson, even though Montgomery had the majority of the playing time. Montgomery then started against South Carolina, only to be replaced by Poag as the starter in the Virginia

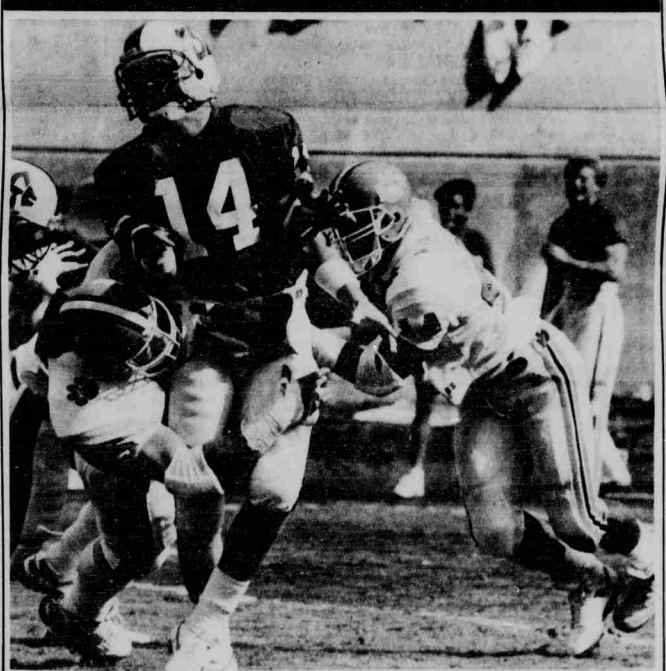
contest. Finally, sophomore Charles Davenport started the final three contests, including the Peach Bowl matchup against Iowa. He ran the Pack's option game fairly well.

But here's where the fun begins. While Davenport started, Montgomery came in on obvious passing downs. If the Pack got a first down, Davenport would return.

Poag, meanwhile, was relegated to third-team QB and did not play in the final three games. However, he remained as the team's number-one punter, a position he had held since the beginning of the year.

See SHERIDAN Page 3B

## ACC Football '89



Staff File Photo

The Clemson Tigers, coming off a 10-2 season which included a Citrus Bowl victory over Oklahoma, are hoping to capture their fourth-straight conference championship.

## Clemson seeks continued dominance of conference

By Lee Montgomery  
Senior Staff Writer

In recent ACC football history, Clemson has proven itself to be the dominant team. The Tigers have won the last three conference championships under head coach Danny Ford.

But this season, many of the so-called experts have predicted State will be the top finisher in the ACC. To do that, the Pack will probably have to beat Clemson for the fourth straight year.

In any event, the Tigers have one of the strongest programs in the country, finishing 10-2 last year after a 13-6 victory over Oklahoma in the Citrus Bowl. Ford has a difficult task ahead of him for 1989, however.



He has to replace starting quarterback Rodney Williams, two-time All-American cornerback Donnell Woolford and two-time All-ACC offensive lineman Jeff Nunamacher among 35 lettermen and 13 starters.

"Only two teams in Clemson history have lost more starters than we lost from last year's team," Ford said in the school's pre-season media guide. "We obviously have a lot of work to do

Inexperienced players are going to have to become good football players for us."

Here's a position-by-position look at the 1989 Tigers:

Quarterback—Williams is the all-time leading passer in Clemson history, but the Tigers have been a traditionally powerful running team. He did lead the team to a 32-15 record in his four years and his leadership should have counted for something.

So who is going to replace him? Chris Morocco, a rising senior, is the heir apparent. Morocco appeared in seven games last year and completed four of nine passes for 42 yards. He is also adept at running the Tiger option game.

See TIGER, Page 5B

# Classifieds

## Typing

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**Great Job For Student!** Close to campus. College Exxon gas attendants needed. Weekend hours available now. \$4.50 per hour. Call Kathy at 628-8792

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Junior or Senior in Chemistry or Chemical Engineering is needed immediately by small high tech. company near NCSU campus. American Citizenship required. Non-smoker required. 821-2929

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ATTENTION PROGRAMMERS. Part-time help needed. Flexible 20-hour work schedule. Familiarity with BASIC and PASCAL. Perfect for freshman/sophomore computer science or computer engineering major. Call Surveyors Supply between 3:00 and 5:00 p.m. M-F at 862-7000 and ask for Brett.

Two composition tutors to work 15-20 hours per week in Writing Center. \$6.50 per hour, hours and days somewhat flexible. B.A. in English or writing experience required. Send resume by August 11 to Rebecca Allen, Chair, Modern Language Department, Lenoir College, 501 N. Main Street, Lenoir, NC 27549

We have the ideal college job for fraternity and sorority members. Set own hours with extremely high monetary return. Job includes marketing imprinted sportswear within the Greek market and community. Send resume and/or call (800) 833-0276. T-Graphics, Inc. 518 E. 8th Street Lawrence, Kansas 66044

Sears is now taking applications for part-time sales. This is a good opportunity for students who wish to work flexible hours. Apply in person, Sears Personnel Dept., Crabtree Valley Mall, 10-4:30 Mon-Fri. EOE/MF

The Maitling Pot Restaurant is now hiring kitchen personnel. Good starting salary, flexible hours. If interested contact Dale or Robert at 832-4848

WRAL-FM is looking for outgoing Persons who like to meet people and would be available for part-time promotional work weekdays 10:30am-1:30pm Sept 5-22. If you are interested call Elizabeth at 800-610-0101.

We still need a few good men! Gas attendant positions, week nights and weekends. \$4.50 an hour. Close to campus! Call Kathy. College Exxon 828-8792

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Rooms For Rent. All Utilities, maid service, parking, air conditioning, more, newly renovated, 2304 Hillsboro, across from Winston Hall, 851-3990. Leave message or come by.

## Crier

AA comes to campus on August 29, Tuesday at 4:00pm at the Student Health Services, fourth floor. Call Jeanine Atkinson, 737-2563 or the AA office 782-8214.

Bagpipe Lessons: The NCSU Music Dept. is offering beginning lessons for the Scottish bagpipe. The class will meet on Wednesdays from 7 to 9 PM in Price Music Center, Room 101. No previous musical experience is required. Information: 828-1288.

Seniors in CHASS and SCHOOL OF DESIGN Seniors graduating in December or May who plan to participate in the CP & PC Campus Interview Program and use the resume referral service, must attend an orientation session, Wednesday, Sept. 6 Liberal Arts (non-business) majors Tuesday, Sept. 12 Communications & English majors Tuesday, Sept. 19 Design Majors. All sessions will be conducted at 2100 Student Services Center 5:15 p.m.

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Rate Table	1 day	2 days	3 days	4 days	5 days	6 days	per day
zone 1 (to 10 words)	2.50	4.84	6.60	8.48	10.20	11.76	(\$6)
zone 2 (10-18 words)	3.00	5.78	7.85	9.72	11.58	13.14	(\$8)
zone 3 (18-20 words)	3.76	7.20	9.90	12.16	14.40	16.32	(\$8)
zone 4 (20-28 words)	4.40	8.40	11.28	14.20	16.76	18.90	(\$8)
zone 5 (28-30 words)	4.92	9.38	12.80	15.84	18.80	20.98	(\$8)
zone 6 (over 30 words)	(.76)	(.70)	(.68)	(.60)	(.68)	(.60)	(.48)

Words like "is" and "s" count the same as "unfurnished" and "uncommitted." Words that can be abbreviated without spaces, such as "wash/dry/AC" count as one word. Phone numbers, street addresses and prices count as one word. See Rate Table above.

Deadline for ad is 12 pm the previous publication day. All ads must be prepaid. Bring ad to: Technician Classifieds, Suite 3125, NCSU Student Center

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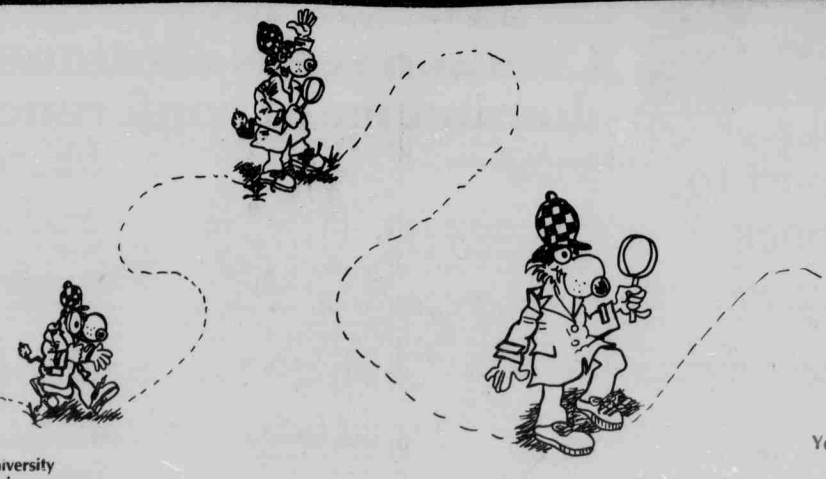
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University Dining



# Baseball team disappointed by failure to make NCAA Tourney

By Bruce Winkworth  
Associate Sports Editor

Only two teams in the history of N.C. State baseball ever won more games than the 1989 Wolfpack did. In spite of that, however, the Pack's 35-21 record this past season was a disappointment to all.

For the first time since 1985, State was not part of the NCAA Baseball Tournament, and that's the biggest disappointment of all. The Wolfpack played in NCAA play at Tallahassee, Fla., in 1986 and '88, and played at Starkville, Miss., in '87.

This year, State stayed at home while North Carolina, Clemson and Georgia Tech represented the conference in NCAA play, with the Tar Heels pulling one of the year's biggest upsets by beating Mississippi State twice in Starkville to advance to the College World Series.

"Making the NCAA Tournament is one of our team goals every season, and we came up short this year," Wolfpack coach Ray Tanner said. "There were a lot of reasons for it, but basically we just weren't quite good enough this year."

The Wolfpack began the season with a host of new faces in the lineup. Gone from the 1988 club were six players taken in the June 1988 major league baseball draft, and on top of that, the team's top two relief pitchers had graduated. In other words, the guts of the team's nucleus was gone.

State played the season with new faces at first base (Steve Shepard), shortstop (Scott Snead), third base (Paul Borawski and Donnie Adams), left field (Steve Shingledecker) and designated hitter (Bobby Russell). Tanner was counting heavily on a quartet of everyday players—center fielder Brian Bark, second baseman Gary Shingledecker, catcher Bill Klenoshek and Shepard—to anchor the offense.

That quartet became a trio on April 4. Klenoshek, playing third base for the second

time in his college career, fractured his kneecap on the wall next to the Wake Forest dugout at Gene Hooks Stadium and was lost for the season.

At the time he was hitting .402 with then team-highs of nine home runs and 29 RBI.

With Klenoshek, at the time the hottest hitter in the ACC, out of the lineup, the Wolfpack became a different team on offense and finished the season with a team batting average of less than .300 for the first time since 1983, although in all fairness, offense was down throughout college baseball in 1989.

But the point is that Klenoshek's absence hurt badly. With Klenoshek out of the lineup, opposing pitchers were able to tip toe their way around Bark and Gary Shingledecker, the other two truly difficult outs in the lineup. Placing a value on Klenoshek's absence is subjective and argumentative, but could he have helped turn around, say, five games in the second half of the season?

Start with two losses to Wake Forest at Doak Field. The Deacons beat the Pack 4-2 and 5-4, both of them in the late innings.

Then there was a 7-6 extra-inning nightmare at North Carolina on April 16. State had that game won twice in regulation and had a potential game-winning rally in extra innings wiped out on a hidden ball trick.

Those three games immediately come to mind. Turn those around and the Wolfpack would be 38-18. State also had a pair of ties thrown in, one of which was suspended with the Wolfpack at bat, the winning runs on base and none out.

"If you turn around just a few games, we have a pretty good looking record," Tanner said after State's final game of the season, a 5-1 loss to UNC at the Carolina Invitational May 21 in Chapel Hill. "Coach (Ron) Fraser (of Miami) said the other day that you can't rebuild and still be competitive at this level, and I don't look on this season as a rebuilding year."

"I'm disappointed that we weren't better than we were, but I'm happy with the effort our guys

gave this season. We won 35 games against a pretty difficult schedule, and that's a lot of games."

A week after the end of the season, Tanner was still fielding questions about his team's poor season, and he still hadn't figured out where that idea came from. Yes, 1989 was a disappointment when compared to the previous three seasons, but a 35-21 record is not a bad record.

"We were competitive all year long," Tanner said. "We got blown out a couple of times, but usually we made the other team beat us."

Notes: Shepard finished the season as the ACC's home run king for '89 with 18 homers. In N.C. State history, only Turtle Zaun (1987-88) and Tracy Woodson (1984) ever hit more home runs in a single season.

In winning 35 games this season, Tanner has a two-year coaching record of 80-37. No other coach in ACC history ever won that many games his first two years. In fact, only Georgia Tech's Jim Morris and North Carolina's Mike Roberts won as many as 80 games in their first three seasons, and only Morris, Roberts and Clemson's Bill Wilhelm have ever posted two-year marks better than what Tanner accomplished his first two seasons at State.

Brad Rhodes finished the season with an 8-4 mark and ended his college career with a record of 26-8. Only Mike Caldwell (32 wins from 1968-71) and Jeff Hartsoc (29 wins from 1986-88) won more games in a Wolfpack uniform.

Rhodes started five games in which he did not figure in the decision this year and lost several games he easily could have won with some extra offensive or defensive support.

"Brad had a great season," State pitching coach John Mirabelli said. "He could have won 11 or 12 games for us easily the way he pitched. He got a bunch of no-decisions and he lost some games that were heartbreakers. We're going to miss Brad next year."

# Sheridan to use several QBs

From MONTGOMERY, Page 1B

Montgomery was soon dubbed the "designated passer," while Davenport was named the "designated runner."

The play worked. State won two of the three games and tied in the other.

Davenport was the fifth leading rusher on the year, gaining 142 yards on 43 attempts. He scored three touchdowns and completed 17 of 32 passes for 250 yards.

Montgomery, meanwhile, was awesome in the air. He completed 62.1 percent of his passes for 1,522 yards and eight touchdowns

and was named MVP of the Peach Bowl.

Can it work this year? Why not? Through spring practice, Montgomery and Davenport were both named "starting" quarterback.

Expect to see Davenport running the option game when State opens at home against Maryland on September 2. Davenport pitching the ball to Anthony Barbour should be a frequent occurrence next fall.

If Barbour is stopped in two plays, look for Montgomery to come in and leave the ball to Chris Corders. But don't be fooled, the Wolfpack offense is more wide open than that.

If Davenport or Montgomery should go down, Poag could step in. And if all three go down, red-shirt freshman Terry Jordan, of Tampa, Fla., is the fourth-string QB. He made impressive strides during spring drills.



Shane Montgomery

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There will be an organizational meeting for anyone interested in trying out for the N.C. State baseball team today at 5 p.m. at Doak Field. Tryouts will be held Sunday at 1 p.m. at Doak, but you must attend the meeting today in order to try out.

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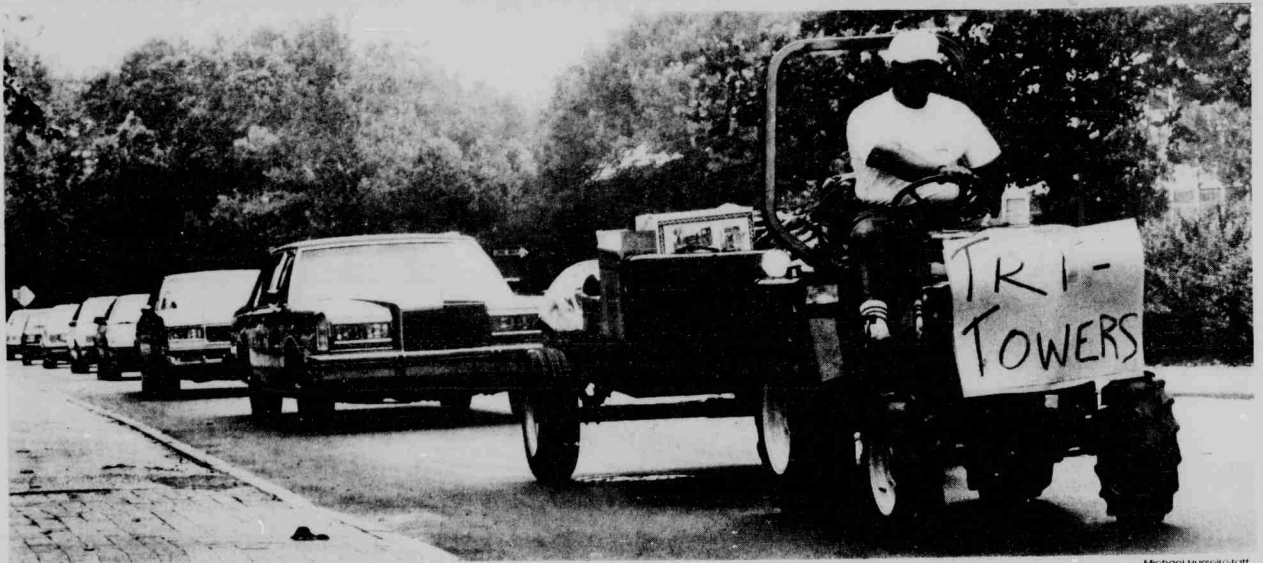
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MICHAEL RUSSELL/STAFF

A line of traffic forms behind one of NCSU's modern baggage carriers on Dan Allen. The tractors were provided by the university to aid students in moving their belongings into the dorms.

## MOVING IN

**By Michael Russell**  
Assistant Photo Editor

Yes students, it's that time of year again! Time to put up the sunscreen and the beach towels and break out the hooks. Time to pack up all of your worldly possessions, stuff them into the Yugo, and head back to good old N.C. State!

Alas, for those poor souls who have never moved before. These are the people you see lugging the two ton shipping crates up to the fourth floor of Bragaw. They will be the ones who will have to make numerous trips back to the home-stead to pick up those small necessities that were forgotten... toothbrush, shaving kit, underwear.

For those of us who have done this before, moving back in is kind of like going to see a horror movie for the second or third time. It's not as bad as the first showing, and it is more fun to watch everyone else's reaction. Ah, the sight of the traffic backed up on Cates Avenue... the sound of fragile goods plummeting down eight flights of stairs... the smell of the mold in

the dorm rooms. It's like coming home! Makes you want to stay forever, or at least until classes start.

The freshmen dorm room is usually lacking in the necessities for college life. These must be supplied by the inhabitant so that his or her stay will be pleasant, or at least tolerable.

### 1. Refrigerator

No college student living on campus can survive without this. Those who try find out quickly just how much of a luxury that the household device is. When thirst sets in, you have two choices... run down nine floors to the coke machine that is always broken, or drink warm water from the faucet in the bathroom. Not a pretty sight. Besides, a refrigerator allows you to keep perishable goods needed for the next item of necessity.

### 2. Microwave

After a few visits to the Dining Hall, you may discover that dining in the comfort of your own room is preferable. Hot dogs and hot soup are

quick to nuke and make a good meal. Get yourself one... your gastrointestinal tract will thank you.

### 3. Stereo

No true college student could live without loud music. If you can't supply your own stereo, you can be sure that the guy next door will have one that will suffice. The walls aren't good insulators, though you may wish they were if musical taste clash.

### 4. Posters

One thing that every dorm room has is posters. Blank walls are bad enough to look at, but tape marks left from old posters need to be covered up, and what better way than with new posters!

### 5. Carpet

On those cold winter days, you will be thankful that you invested in that thick shag carpet! No frostbitten toes for you!

With these five things, your stay at the university (however long) will certainly be endurable.



Scott Jackson/Staff

Andrew Keil keeps watch over Cates Avenue.



Michael Russell/Staff

Ian Taylor and Young Chong carry their newly purchased refrigerator to their dorm. Delta Chi fraternity was selling the refrigerators behind Sullivan Hall to students.



Michael Russell/Staff

No, this is not the way to Public Safety Headquarters. NCSU Bookstores put up the signs to get students to buy books early.



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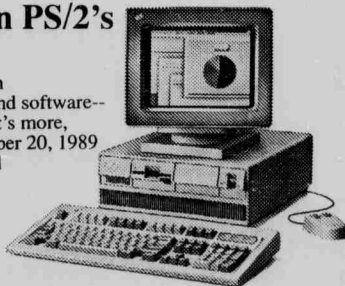
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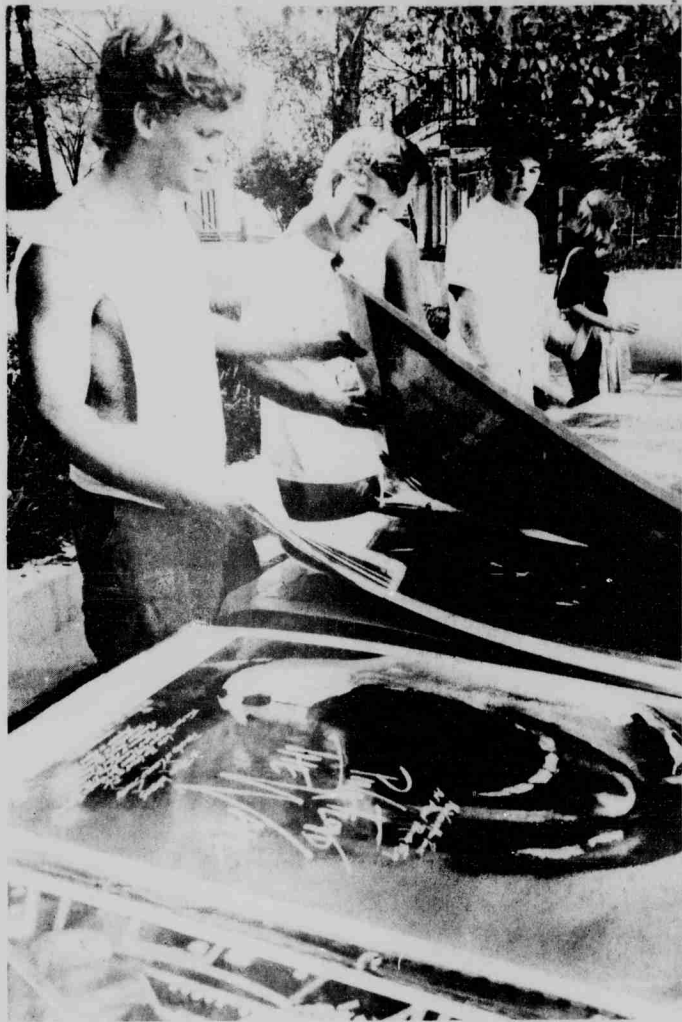
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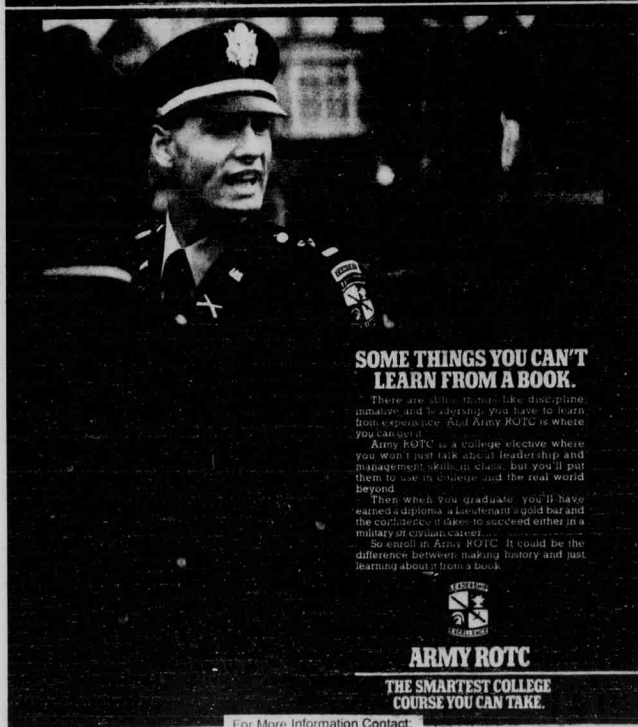
Scott Jackson/Staff

Students look over posters that were being sold Monday afternoon behind the Student Center.



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# Returning deep backs could be best in South

By Jim Rea  
Staff Writer

Strong safety Jesse Campbell, Wolfpack team leader in tackles in 1988 leads a vicious group of returning deep backs into this season's campaign.

Three starters—Campbell, free safety Fernandus "Snake" Vinson and cornerback Joe Johnson—return to a unit that just might be the best in the South.

Senior Barry Anderson also played in all 11 games last season, behind Vinson, and will likely be the Pack's fourth starter.

As a true freshman last season, Campbell earned a reputation as one of the league's hardest hitters and compiled the kind of numbers one might only expect from a seasoned veteran.

The Vanceboro native's five interceptions for 71 yards and one touchdown led the Atlantic Coast Conference in 1988.

In addition to his 86 tackles, Campbell caused six fumbles and

recovered one, broke up 11 passes, had three quarterback hurries and 11 tackles for losses.

That is about as good as it gets at safety, and those numbers earned Campbell ACC Rookie of the Year honors and a first-team All-ACC selection.

But the Wolfpack's talent in the secondary does not end with Campbell. Vinson is another deep back known for his ability to sever opponents from reality.

A junior from Montgomery, Ala., Vinson had 73 tackles and four interceptions from his cornerback spot last season.

This year he is a pre-season All-ACC pick as he moves to the free safety position vacated by Peach Bowl Most Valuable Defensive Player Michael Brooks.

Others battling for playing time at the safety positions will be Dexter Royal, a junior from Greensboro, sophomores Keith Johnson, from Apopka, Fla., and James Foshee, from Montgomery, Ala., along with red-shirt freshman Sebastian Savage, out of Carlisle, SC.

Returning to his cornerback spot, Joe Johnson may also be a contender for all-conference honors.

Johnson, a two-year starter from Hackensack, N.J., piled up 56 tackles and picked off one pass last fall.

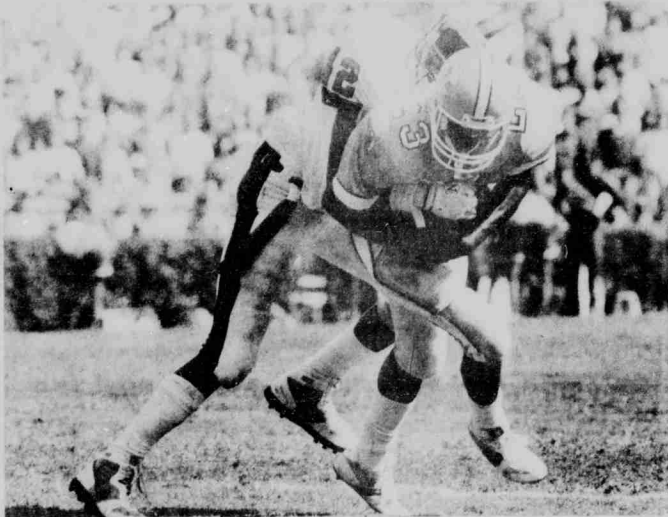
Anderson, from Chamblee, Ga., will likely fill the vacancy left by Vinson at the other cornerback spot. Anderson started one game last year when Vinson was injured and also saw extensive playing time in passing situations.

As State's "nickel" back, he contributed 24 tackles and two interceptions.

Competing with Anderson for duty on the corners will be sophomores Mark Latta of Hillsborough and Wade Burton of Holly Springs, as well as red-shirt freshman Therome George from Shelby.

State led the ACC in total defense last fall, finishing eighth in the country in that category.

With the Pack's secondary nearly intact for the 1989 season, opponents may again have a hard time finding the end zone.



Staff File Photo

Strong safety Jesse Campbell had five interceptions for 71 yards to lead the ACC in 1988. Campbell was the conference Rookie of the Year and a first-team all-conference selection.

# Tiger running game strong as ever

From CLEMSON, Page 11

DeChane Cameron was the third-string quarterback last year and could battle Morocco for the starting role. Other prospects include Whiteville native Heath Hewitt and high-school All-American Michael Carr.

Running back—The Clemson runners are talented and deep, again. All-ACC performer Terry Allen leads the group.

Allen rushed for 1,192 yards as a sophomore and needs 750 yards to become Clemson's all-time rusher. And he's only a junior. Allen did not fumble in 199 attempts last season.

Backing up Allen is Joe Henderson, who gained 538 yards last year. Sophomore Charlie James is the third tailback.

Senior Wesley McFadden is per-

formed in starting fullback, having gained 354 yards on 83 carries in 1988. Sophomore Tony Kennedy plays as second-team fullback.

Wide receiver/tight end—Clemson has never been a throwing team and that should not change in 1989. But in case they do need to put the ball in the air, Gary Cooper is a more than adequate pass receiver.

Cooper, a senior, has 50 career receptions for over 1,000 yards. Chip Davis, also a senior, will man the split end position. Davis has been called the "best athlete" on the team.

The tight ends are inexperienced, as leading candidate Stacy Fields has never started.

Offensive line—A running team always must have a good line to run behind. Sophomore Jeb Fleisch and junior Eric Harmon return as starters at guard.

Senior Hank Phillips has started at guard, but will move to center for 1989. The biggest challenge will be

at starting tackle, where the Tigers lost their top three players from last season. Stacy Long, Bruce Batten and Kelvin Hankins will battle for tackle playing time.

Defensive line—This position lost four starters from last year. Leading the charge for playing time will be Vance Hammond, Otis Moore and Chester McGlockton, a freshman from Whiteville. David Davis is the leading candidate for the middle guard slot, the most inexperienced position on the team.

Linebackers—This should be one of Clemson's strong points, especially on defense. Inside linebacker Ed McDaniel led the team in tackles as a freshman last season. His running mate, junior Doug Brewster, also returns. Vince Taylor and Dorian Marriabe are capable backups.

On the outside, Levon Kirkland and John Johnson will be paired together as starters. The two combined for 121 tackles last year.

Secondary—Two starters have to be replaced in the Tiger secondary, long a Clemson strong point. James Loit started in 1988 at free safety and will be joined by sophomore cornerback Dexter Davis in the starting defensive backfield. The duo had two interceptions and 17 pass breakups in 1988.

Jerome Henderson and Arlington Nunn should be the other starters in the secondary.

Kickers—One man: Chris Gardocki. Gardocki started at punter and place-kicker last season and was an AP andUPI honorable mention All-American. He averaged 42.7 yards per kick as a punter and booted 19 field goals in 32 attempts.

It is an interesting blend of youth and experience and second place in the ACC should be about right.

Editor's note: This is the first in a series of stories previewing each of the ACC football teams.

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Maroc Kawanishi/Staff

A crowd of 52,855 fans packed Carter-Finley Stadium Sunday night to watch the Philadelphia Eagles take on the New York Jets, and more

importantly, to show their support for efforts to bring an NFL expansion franchise to the Carolinas.

## College-like crowd welcomes NFL

From **SELLOUT**, Page 1B

support a pro team here. I was surprised by the crowd. We were kinda the home team."

Not surprisingly, the Eagles were greeted with a warmer reception, mostly because of the Wolfpack influence on the team.

But as the sloppy game wore on, the cheering subsided. By the end

of the third quarter, fans were hitting the exits.

Now the question is, will an NFL team come here? The state is up against some heavy competition, like Memphis and Jacksonville. Oddsmakers rate the Carolinas as a 50-1 shot. Not too good. The NFL seems pleased, however.

"It's obviously a strong statement from the Carolinas to the NFL owners about the kind of reception they can expect if they choose to locate a

franchise here," said Don Weiss, executive director of the NFL. "The enthusiasm was overwhelming. It was very professional down here.

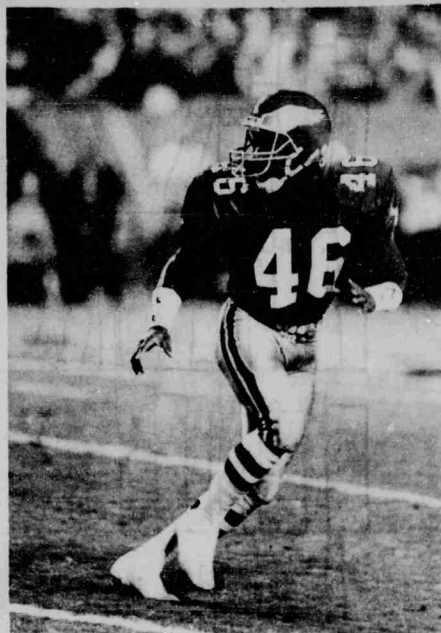
"It hasn't been decided what the next step in the expansion process is. We've always had a two-year process," Weiss said. "The Carolinas deserve very strong consideration when we make a decision on expansion.

"The Governor's task force has

done a good job for the last year and a half of letting us know what is going on here."

If the Carolinas do get an NFL team, it probably will locate in Charlotte in a new stadium proposed by the Richardson group. There won't be any home games at Carter-Finley, so don't hold your breath.

But college football isn't far off and the games are bound to be better. Just wait.



Courtesy NCSU Sports Information

Former Wolfpack cornerback Izel Jenkins had two tackles and two pass break-ups in Sunday's game.

## Baseball Tryouts

There will be an organizational meeting for anyone interested in trying out for the N.C. State baseball team today at 5 p.m. at Doak Field. Tryouts will be held Sunday at 1 p.m. at Doak, but you must attend the meeting today in order to try out.

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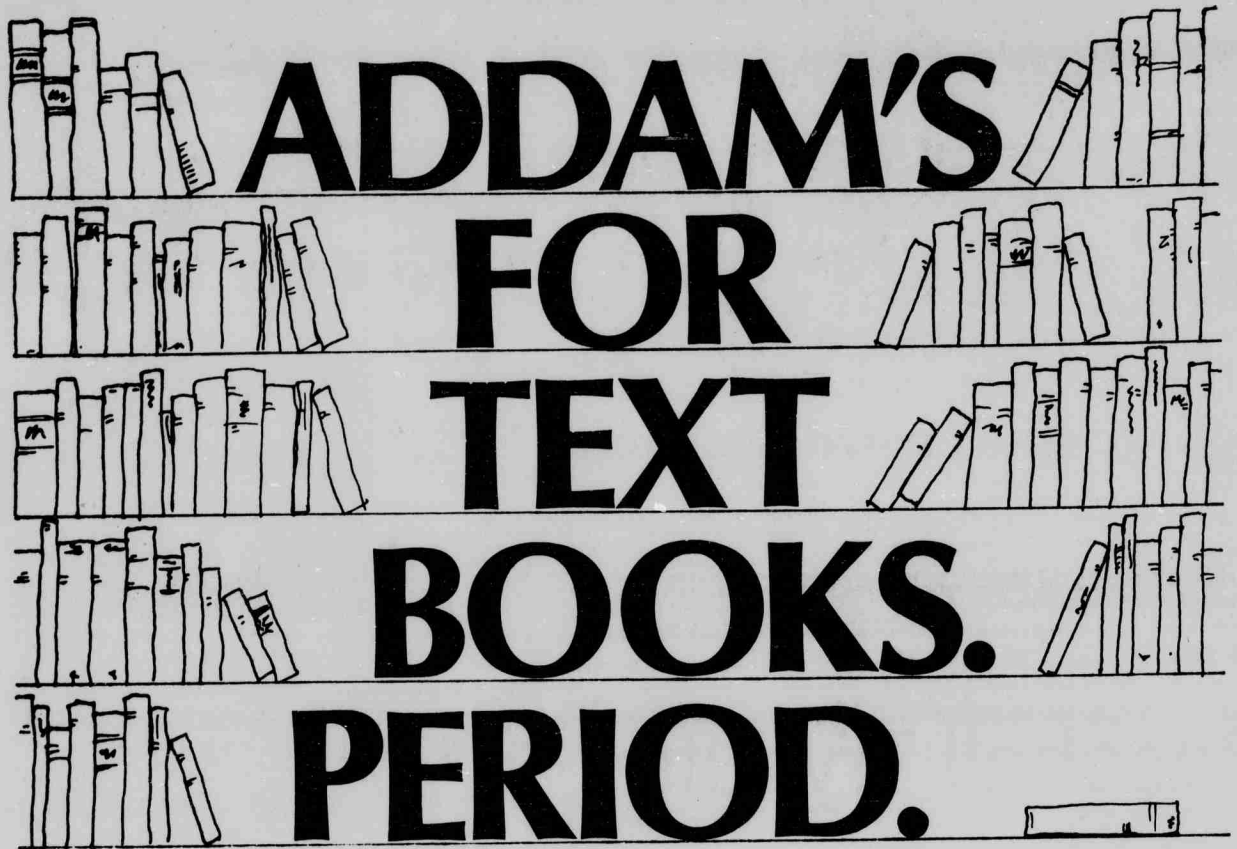
I, Sir Wolf, will vow  
University Dining should take a bow.

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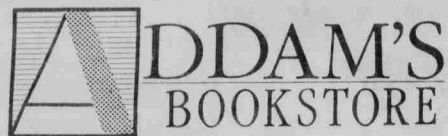
The Atrium and Dining Hall too.  
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A stylized line drawing of a bookshelf filled with books of various sizes and orientations. The books are arranged on five shelves, with some standing upright and others leaning. The drawing is simple and graphic, using black outlines on a white background.

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# Building the perfect ARTIFICIAL Beast

**Vet school doctors develop simulated animal parts for students to practice skills**

From Staff Reports

Surgeons at the N.C. State's College of Veterinary Medicine (CVM) envision a day when veterinary students will master basic surgery skills by practicing on a totally artificial dog model.

One tissue model, an artificial bone, has been developed by Dr. David DeYoung, veterinary surgeon and associate professor of surgery at the CVM. The reason for creating artificial models to be used as teaching aids, DeYoung said, is to reduce the need for live animals in teaching second- and third-year students.

Dr. Frank Abrams, professor of biological and agricultural engineering, and Dr. Daniel Richardson, assistant professor of surgery, also are collaborating on the project.

During the four-year course leading to the Doctor of Veterinary Medicine degree, students are taught to perform basic animal surgery. Those who want to specialize in more complex surgery can serve an internship and residency.

Traditionally, live animals have been used to teach veterinary students surgical techniques. However, DeYoung said schools are moving toward substituting artificial models.

When realistic substitutes are available, the CVM surgeons said, they offer the advantage of giving students extra practice. "The quality of their work is greatly improved when they can practice on artificial material," DeYoung said.

DeYoung, who specializes in teaching students how to repair bone fractures, has developed a hollow-center artificial bone that he now uses in his teaching.

DeYoung pioneered development of an artificial bone being used across the country in veterinary teaching. DeYoung said he stumbled on the idea for hollow artificial bones by accident. He said he was working on another project and happened to see model human knees made by Sawbones, Pacific Research



Dr. David DeYoung



Artificial bones previously available for use in surgical labs were solid plastic, and therefore limited in use.

DeYoung's artificial animal bone has a core of porous material which simulates bone marrow.

## More artificial animal models being developed

Associate professor Dr. Elizabeth Stone and graduate student Ann Andrade share Dr. DeYoung's vision of veterinary students mastering basic surgery skills by practicing on a totally artificial animal models.

Stone and Andrade are developing a model of the abdominal wall. Their work focuses on the special challenge of making incisions in the abdominal wall and suturing the abdominal area.

The abdominal wall is a complex tissue with three layers — fascia (connective tissue), muscle, and another layer of fascia. The materials now used to practice incisions and suturing, foam rubber and ham hocks, do not simulate the complex tissue, Stone said.

Andrade, who has a bachelor's degree in ceramic engineering from Clemson University, is working to develop a mathematical model of a dog's abdominal wall which could be used to design a realistic synthetic substitute. Stone plans to discuss with researchers at N.C. State's College of Textiles the possibility of manufacturing a material based on the model.

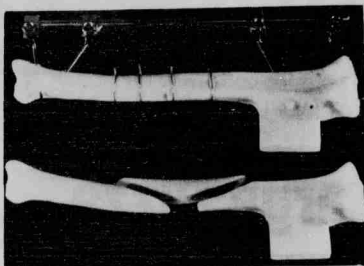
To gather the data, Andrade will analyze samples of abdominal wall using an instrument which measures the strength, elasticity and other characteristics of a material.

"My ultimate dream," said Stone, "is big rolls of (artificial) abdominal wall that we can cut off and give to students for practice and share with other vet schools."

Both Stone and DeYoung believe that more artificial teaching models, and eventually a totally artificial model dog, will be developed. Stone says she believes that once an abdominal wall model is developed, models also could be made of the intestines, bladder and urethra so students could practice catheterization.

"Artificial models provide an excellent teaching tool. They reduce the need for live animals," Stone said.

"They are relatively low cost. And the students can practice over and over and over."



DeYoung's artificial animal bone model can be shattered, pinned and set in many different ways that can simulate real bone fractures.



Photo Courtesy NCSU Information Services  
Dr. Clement Markert, Distinguished N.C. State University Research Professor.

## N.C. State biotechnologist wins award for developmental genetics

**Markert lauded by Japanese scientific society**

By Mark Schaffer  
Assistant Frontiers Editor

N.C. State's Clement Markert, one of the nation's leading researchers in developmental genetics, this summer received the third annual Hirai Prize from the Society of Electrophoresis of Japan for work that started as an aside to his real research.

Markert, a leader in the field of mammalian genetic research, won the award for developing the technique of "zone electrophoresis," a process of separating a substance suspended in a gel into its constituent components by passing electric charge through it.

Markert is a Distinguished University Research Professor in NCSU's Animal Science department. He was hired from Yale University in 1985 after a special \$5 million appropriation by the 1984 North Carolina General Assembly for the improvement of research in public universities.

He began his research at John Hopkins University in biology, genetics and biochemistry. In 1957, he developed the idea of isozymes, enzymes that are functionally similar but chemically different, as an aside from his research on laboratory animals. This concept was completely new to the fields of genetics and biochemistry and has greatly aided the development of both sciences as well as various medical breakthroughs. Dr. Markert, though, says the most important contribution of isozymes is the "understanding it gave us about biological organization."

His research in isozymes prompted the enhancement of electrophoresis, a process that separates molecules by using an electrical charge. His discovery of isozymes stemmed from his use of "zone electrophoresis," a process where a molecule is placed in a solid gel versus the older method of liquid electrophoresis. This development led to his recent award from the Society of Electrophoresis of Japan.

Markert's main research was not and is not in isozymes. He has been studying the role of genes during embryonic development. He has tried to develop a homozygous, uni-parental embryo which would produce a series of genetically identical animals that would pass their genes onto their offspring. If successful, the animals would greatly aid in research and the development of economically useful animals. Unfortunately while he was able to develop the

See **MARKERT**, page 2C

## Computer networks provide timely news

By Don Munk  
Senior Staff Writer

When members of the N.C. State community need timely updates to rapidly developing news, they often consult a news service on their computer terminals.

In March, NCSU nuclear engineers needed information about how to perform experiments in cold fusion, an alleged breakthrough in nuclear energy production. They found the information in a news service called USEnet.

The news service contains articles on topics from nuclear fusion to soap operas. Students, researchers and collegiate staff contribute articles. Their computers are linked in a global computer network.

Besides posting articles in the news service, network users can send electronic mail to colleagues and friends at other institutions. Users can see the messages immediately if both parties are connected. Otherwise, mail is

See **SERVICE**, page 2C

## NCSU students study and protect bears

By Mark Schaffer  
Assistant Frontiers Editor

N.C. State researchers who have studied black bears at the Pisgah Bear Sanctuary for over 10 years now finally think that they are on the bears' frequency.

From May to July, shifts of three to 10 students and workers camp at the Pisgah National Forest, remaining a few weeks to capture and tag bears along with collecting valuable data from the bears tagged with radio transmitters. Each year three graduate students, an undergraduate intern and 20-25 volunteers from Earthwatch, a volunteer and funding organization with a coordinated membership, are involved work in the study.

This summer the three NCSU graduate students participating are John Zimmerman, who is working on his doctorate, Erran Seaman, who is doing the last of his field work for his doctorate, and Paul Jobsis, who is beginning work on his master's degree. This summer, David McHenry is the undergradu-

ate intern and Caren Cooper, a former graduate student, is the technician for the group.

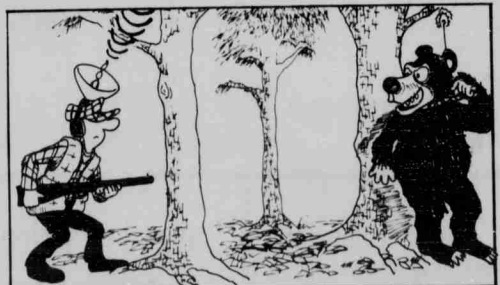
In 1977, the Wildlife Resource Commission began to fund research into the study of the Pisgah Bear Sanctuary through NCSU.

During the first few years, only enough money for one graduate student was provided to work on the study.

In 1981, Dr. Roger A. Powell, an associate professor of zoology and forestry, was able to get the grant extended and expanded until 1990 to do research on the bears.

This study has expanded from the original goal of just evaluating the sanctuary for the government. Personal goals have been set by the group and by the graduate students. They want to understand the social structure of both the male and female bears and also understand how the black bears choose their habitats. The data for these goals is collected through radio transmitting collars.

Before 1987, the researchers used the



GEORGE BROOKS/SWAF

old collars that constantly emitted a signal but when it was discovered that poachers had been tuning in on the signal and tracking the bears, the bears were re-trapped and the collars removed until a new collar was developed. In 1989, the researchers have a new collar,

one that is activated by a special signal to turn it on and off, not allowing the poachers a chance to track the bears since no signal is emitted when the collar is off. The collars would transmit

See **BEAR**, page 2C



# Markert working on cloning

Continued from page 1C

embryo successfully, it would die shortly.

Markert is now working on finding a way to make it possible to create the identical animals. To do so, he must find an artificial way to de-differentiate the chromosomes within the cell. Since this process is in nature, he believes he will be able to duplicate and control the de-differentiation in the lab. If successful, identical animals and even cloning of existing animals will be possible.

His labs are also working on the development of "transgenic" ani-

mals, specifically mice. The development of transgenic animals is caused by injecting foreign genes into the nucleus of embryos. In a small number of cases, these genes will join with the genes in the embryo and produce an animal with a combination of both gene characteristics. The best example of a transgenic animal is a mouse that is twice its normal size after its embryo has been enjected with a growth hormone.

He is also working on the development of a pig embryo that will contain the best traits of an American pig and a Chinese pig. He is trying to combine the best charac-

teristics of both breeds to develop a whole new breed that will mature after three months, be lean, and produce a litter of 15 versus 10. To develop this embryo, the chromosomes of the two species of pigs will be combined and that embryo would be placed into a normal two-parent embryo for growth. These cells will reproduce and hopefully produce the first line of the new species with the desired characteristics. Once the first female is developed, her offspring would be bred back to her to purify the species through inbreeding, thus creating a totally new species. Markert hopes to have the first offspring from

these embryos in early of 1990. All of Markert's studies are funded by the university and some small grants. Hopefully, a successful project in the development of a new species will bring in more research grants for his projects.

Markert is a member of The National Academy of Sciences, and was the chairman of the Yale Department of Biology before joining the faculty at NCSU. He taught at the University of Michigan and John Hopkins University. He got his bachelor's degree from the University of Colorado, his master's degree from the UCLA, and his doctorate from John Hopkins.



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Photo courtesy of the College of Veterinary Medicine

Some vet school students pin and set one of Dr. DeYoung's artificial animal bones.

## Models help students develop skills

Continued from page 1C

Laboratories Inc. of Vashon Island, Wash. "I knew if they had the material to make bone models for humans, they could make artificial bones that simulate real animal bones."

Until he developed the bone about four years ago, the only artificial bones available for teaching were solid plastic bones, which could not be used to teach fracture repair with metal pins.

With the help of Sawbones, DeYoung developed hollow-centered plastic bone with a marrow of simulated soft porous material.

"The model can be pinned, sawed, drilled, tapped for screws, similar to bone," he said. The artificial bones also cost less than real animal bones, and they

are readily available, uniform in size, odorless and clean.

DeYoung and his colleagues believe the potential exists to develop even more artificial model parts, leading eventually to a total artificial model dog for teaching. He first developed dog femurs, and later designed models of the canine humerus, radius and tibia. His next step is to develop a knee joint model and pelvis model.

DeYoung said he believes a student's self-confidence is greatly increased by using artificial bones for practice.

"With the artificial bones they have a chance to learn the motor skills they need to apply stainless steel pins and plates, and their comprehension is superior to students trained using only live animals."

## Bear study foils poachers

Continued from page 1C

the data collected on the bear and then shut off when the appropriate signal was sent. Poachers cannot activate the collars.

Currently only six bears are collared, but Dr. Powell hopes that 15 will be collared by the end of the summer. He hopes that in the future the data they collect will show the

social organization of the bears and their population.

Dr. Powell is currently working on a proposal to get more funding to study the bears into the early and mid 1990's. He teaches mammalogy, wildlife management, and various graduate courses. He began teaching at NCSU in 1979. He was born in Joliet, Illinois and received his PhD from the University of Chicago in 1977.

## Computer communication service aids scientists

Continued from page 1C

stored until the user is on line.

Many NCSU departmental VAX computers have access to the network. Students can ask for a CMS account on NCSUVM, a computing center computer (on CMS, the news service is called Netnews).

The network includes sites in Europe, Canada, South America and Asia as well as the United States. Network users can receive electronic magazines, computer files and access to databases of information provided by individuals or institutions.

The recent excitement over cold fusion experiments prompted NCSU researcher John Gilligan to laud the computer network.

"(The service) was very useful at first, when no one knew what was going on," Gilligan said. Compared to TV, "there was more scientific stuff."

When the media published the story, the volume of messages posted increased dramatically, he said. At first, group members received 10 pages of new information daily.

"It stayed pretty heavy for a

month or so," Gilligan said. "Some of the original published papers (concerning cold fusion) were sent over the net," he added. They helped because "you couldn't get hold of it yourself for a couple of weeks."

But Gilligan warned about the quality of the information.

"When your on these nets you have to be sure who is providing this information. It could be a graduate student or a Nobel Laureate. You don't know your source. It's sort of like gossip at a party," Gilligan said.

"We looked where (the information) was coming from. If it was arriving from a national laboratory or a department of a reputable university," then it was more reliable, Gilligan said.

Gilligan said the network news system could be useful during a biological crisis like the outbreak of a disease.

But Gilligan said he doesn't want to go through another episode like the cold fusion announcement. Releasing information to the press instead of traditionally honored, reliable journals was a big mistake, Gilligan said.

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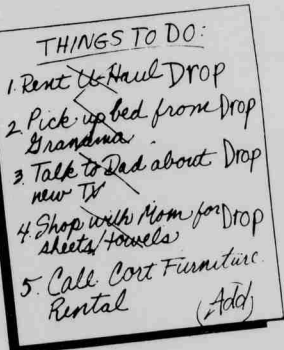
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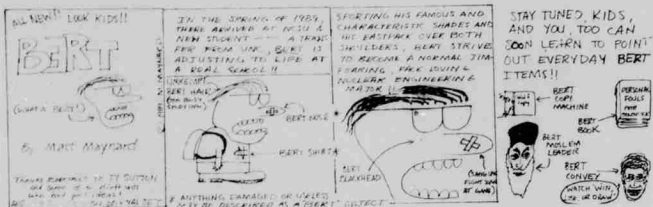
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For more information, contact Geof Brooks at 737-2411.

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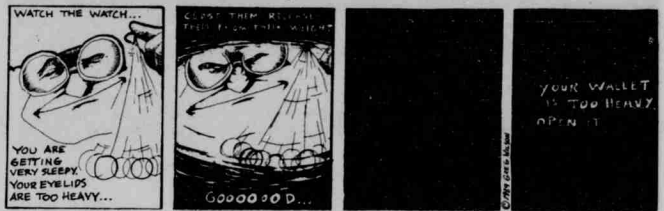


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