

Technician

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Student groups aid in tornado cleanup effort

By Jennifer Holland
Staff Writer

Even though last Monday's tornado struck during one of the most hectic times of the semester, many N.C. State students and organizations have been rallying to help in various projects geared to aid the twister's victims.

The Student Senate voted Wednesday to donate the remaining \$386.59 of their fall semester budget to aid tornado victims. Senator Shelly Cole, a graduate student in science and management, suggested the idea after spending the early morning hours after the disaster helping a close friend whose apartment was hit.

"I was there and saw it — until you see it yourself, you just can't understand how bad it was. That is why I brought up the idea," she said.

Stations where students could donate money were set up beside the Free Expression Tunnel and in the Student Center Friday between 9 a.m. and 3 p.m. Student Body President executive assistants Susan Bur and Sandy Shealy organized the event, and WKNC radio publicized it with a live remote from 11 a.m. to 2 p.m.

Members of Sigma Kappa sorority and Alpha Phi Omega service fraternity manned the booths and said that many students were donating anything from small

change to five- and ten-dollar bills. The money collected will be counted today, added to the money donated by the Student Senate, and sent to the Red Cross.

"It makes us feel good that we can donate to a worthy cause that helps people. It makes you thankful for what you have," said Sigma Kappa pledge Lynn Morris.

Student Body President Pam Powell said many students called the Student Government offices to donate canned foods and blankets.

"Students of this campus have outreached to the people in the disaster area. We want them to know that we at N.C. State care," Powell said.

Penny Moore, a Sullivan residence adviser who worked at the Salvation Army for three years, organized a food and clothing drive in Sullivan Residence Hall last Wednesday. RAs collected four large boxes of canned goods and clothing and took them to the Salvation Army on Saturday.

"We had a really great response," Moore said.

Drew Smith, assistant coordinator for fraternities and sororities, said that fraternities were given extensive listings of people that needed help. Many members have already volunteered and more are expected to help next week.

Smith said that if even half of the university's 2,000 fraternity and sorority members could help, they

could make "a tremendous impact."

Members of Alpha Delta Pi sorority donated clothing and canned food.

"Now we are guarding against looters," said President Lee Ann Merritt on Friday. "We've sent girls out for the past three nights I'm really proud of the sorority."

Sigma Phi Epsilon and Delta Sigma Phi have also sent members to brave the cold and protect against looters. Delta Sigma Phi brothers Quinton Shuller and Charles Heilig chased some of the robbers down and turned them in to the police, said member Mike Malone.

Delta Chi, a fraternity organized just three weeks ago, held its first service project Thursday, picking up donations at Crabtree Valley Mall and taking them to the Salvation Army warehouse. Other members picked up furniture donations from area residents, said brother Todd Tucker.

"The victims really couldn't do this themselves," he said. "It was a great project to get our fraternity off the ground."

Alpha Phi Omega fraternity received a plea for help from Jeff Geyer, a Southern Illinois University APO alum. Members were at his home at 8 a.m. Saturday and Sunday removing insulation, broken limbs, large metal objects and rain gutters torn



KEVIN VON DER LIPPE/STAFF

Members of Alpha Phi Omega fraternity clear fallen branches off Six Forks Road. President Ronald Reagan officially declared portions of Raleigh a national disaster area last week.

from his home and piling them on the street so that area cleanup crews could take them away.

Brothers pulled together to carry large objects, such as home air conditioning units and crumpled swing sets, and hauled them away in pickup trucks belonging to fraternity members and other volunteers.

Brother Ed Brown said members not only used donated gloves and chainsaws, but also 40 axes Alpha Phi Omega uses in its annual woodshop.

Geyer said that he would not have been able to clear the land and help his neighbors without the fraternity's efforts. "I couldn't have done it without them," Geyer said. "They really rallied, especially here at the end of the semester. I would have been hard pressed to come out here right before exams."

Members of the Fellowship of Christian Athletes spent every afternoon last week helping a Presbyterian minister and his neighbors in Hampton Oaks development, one of the harder hit areas.

near Creedmoor and Lynn Roads. Kenny Fondren, a sophomore in history and member of the football team, said that members cut up fallen trees, carried debris to the road and helped Rev. John Warren disassemble his fallen deck behind his house.

According to former NCSU football player and FCA member Pat Teague, victims were simply thankful that family members were not lost and that people were help

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Examination Times	8 a.m. to 11 a.m.	1 p.m. to 4 p.m.	6 p.m. to 9 p.m.
Mon., Dec. 12	1000-1050 MWF	1525-1615 MWF	1745-1900 MW EB 201,202 Common
Tue., Dec. 13	1105-1220 TH	1250-1405 TH	1745-1900 TH Py 205, 208 Common
Wed., Dec. 14	0750-0840 MWF	1420-1510 MWF	1915-2030 MW 1915-2200 M or W BS 100,105 EB 307 Common
Thur., Dec. 15	0750-0905 TH	1420-1535 TH	1915-2030 TH 1915-2200 T or H Acc 210,220,310,311 PSY 200 Common
Fri., Dec. 16	1105-1155 MWF	1315-1405 MWF	FL, GRK, LAT 101,102 105,201,202 Common MAT 200,201 Common
Sat., Dec. 17	CH 101,105,107 Common	E100 Common	
Mon., Dec. 19	0855-0945 MWF	1210-1300 MWF	EB 320 ECE 211, ECE 314 Common
Tue., Dec. 20	0935-1050 TH	1605-1720 TH	ECE 212 Common

Fraternity ID cards to help party problems

By Jeanie Taft
Senior Staff Writer

No more party crashers in fraternities, thanks to a new identification card that enables them to have closed functions with more security.

"(The card) was created for the purpose of allowing fraternities and fraternities to carry on closed meetings when they choose to do so," said Drew Smith, assistant coordi-

nator of fraternities and sororities for Student Development.

Smith said there have also been a lot of problems with people attending fraternity parties who are not students at the university.

"Insurance rates are very high," Smith said. "And they also have legal obligations to worry about, such as underage drinking."

Smith said the card is like any other identification card. It will

enable different fraternities and fraternities to intermingle, encouraging more unity among Greeks.

The InterFraternity Council unanimously passed the motion approving the card.

Smith said he wants to stress that the card is not meant to exclude other groups on campus.

"It is not meant to set the Greeks apart as better or worse," Smith said. "It's not meant to give them

special privileges. It's just a way for them to identify each other when they need to."

Panhellenic Council president Kim Thompson said she feels the card is a good idea and hopes it does not offend other students.

"It doesn't necessarily mean that the fraternities are always going to have closed parties," Thompson said.

Literary magazine receives national recognition

By David Spratte
Staff Writer

"Windhover," N.C. State's literary magazine, has received national recognition by winning the honor rating of All-American in the Associated Collegiate Press's (ACP) All-American competition.

All-American is the highest rating possible in the ACP contest. In earning that rating, "Windhover" received 588 out of a possible 600 points.

"I gave ~Windhover~ top awards in all categories," said Tom Trusky, one of the judges in the competition. Trusky is a professor of English at Boise State University in Idaho.

"Not only was it strikingly designed, but it was

also functional," Trusky said.

"It's seldom that I see a magazine whose format is innovative and whose literary and artistic content are excellent, so reading 'Windhover' was almost an inspirational experience. It should serve as a model for literary magazines around the country."

Trusky also said that of all magazines he rated — about 75 nationwide — "Windhover" is in the top two or three in terms of content.

He said the magazine is No. 1 in terms of design.

"Apparently, only the best material submitted appeared in the pages," Trusky said.

"Editors were extremely selective and the rig-

orous selection process paid off."

The 1988 "Windhover" is divided into five progressively wider sections that include poetry, photography and prose.

Melissa Blackmon, a senior at NCSU last year, was the magazine's editor.

Blackmon, who majored in product design, currently is working as a designer in London.

Because of its All-American rating, "Windhover" will go on to compete against other All-American winners in ACP's Pacemaker competition in spring 1989.

"Just in terms of format it is unique," Trusky said. And in the past Pacemaker judges have been open to innovation.

NCSU research group models new computer after human brain

By Don Munk
Senior Staff Writer

A research group from the department of electrical and computer engineering is designing a different kind of computer — one modeled after the human brain.

Called a neural computer, the machine's electronic circuit works like a network of human nerve cells, said David Van Den Bout, an assistant professor of electrical and computer engineering and a member of the research group.

In both humans and new computers, neurons transmit signals through a network. For example, if a pin sticks in someone's finger, neurons send a message up the arm,

through the spinal column and to the brain. Similarly, in neural computers, if one neuron fires, others may fire in succession.

Neural computers have abilities unlike traditional computers. Researchers at N.C. State have demonstrated the computers' ability to solve certain problems faster and to actually learn.

In some cases, it would take traditional computers billions of years to solve problems that neural computers can solve quickly, Van Den Bout said. In other cases, humans are better off dealing with the problems themselves.

"There are large classes of problems that are hard for machines to do but easy for humans to do," he said.

In a simulation, the NCSU group's neural computer sped past a traditional computer design, solving many times faster the demonstration problem, a circuit board design problem.

Ten students and 10 professors work in the neural network group at NCSU. Research money from Bell Northern, Center for Communication and Signal Processing and General Electric helps support the group.

Other researchers have built a neural system that can reproduce the retina of an eye, learn to read words written in script and pronounce words clearly.

Van Den Bout said the human brain inspires neural network researchers.

"We know the human brain is wonderful,"

he said. "Children can learn without being taught everything. They move through their environment, learn not to touch the hot stove after doing it once and they can generalize to all stoves. They grow, adapt. You can't find computers that do that."

"We want to put some of those nice qualities of biological systems into the computers that we're building now," he said.

The research group wants to "extend computer architecture into different areas where they haven't worked before," Van Den Bout said.

For example, neural computers can use incomplete or obscured input data and still find an optimal solution.

A traditional computer could not.

Van Den Bout compared the circuitry of a neural computer to the political process.

Neural networks do not have just one component in control like in a regular computer's central processing unit. With neural networks, "everything is in control, but nobody is in control. If one neuron starts yelling, then everybody else will start listening. If they don't agree, then they will turn him off and force him out of the problem," Van Den Bout said.

Eventually they reach a consensus of opinion.

Describing the process in terms of electri

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One in every 100 students will fall victim to "kissing disease"

Physician says illness could hamper students' abilities to handle college coursework

By Hunter George
Assistant News Editor

About one out of every 100 N.C. State students tests positive to mononucleosis every year, and the result is that nearly half of them experience academic difficulties, according to a campus health official.

Robert Mosely, head physician at Clark Infirmary, said the physical effects of the illness can handicap student's abilities to handle their course loads.

"In September, we had 30 positive mono tests out of 178 suspicious cases," Mosely

said. "When you consider that and the nine-month school year, we probably have a little less than 180 cases a year."

Mosely said young children have a high tolerance to mono, and many may not even get sick. He said adults may feel the effects for weeks.

"The fever, sore throat and swollen glands may last a week to 10 days," he said.

Mosely said other symptoms are large amounts of pus in the throat and an extended period of fatigue. He said most people are treated with codeine and aspirin or Tylenol.

"The fatigue part may drag on for three or

four weeks," he said. "But many students feel they have mono because they are really tired. This happens a lot during exams."

Mosely said the sickness combined with fatigue causes some students to have academic difficulties.

"Out of 10 positive cases, I would guess three or four may have to lighten their course loads and maybe one feels bad enough to drop the semester," he said. "Basically, five or so may get through OK."

Mosely said mono is caused by the Epstein-Barr virus and may live inside the body for six to eight weeks before any physical symp-

oms appear.

He said mono is usually passed through the respiratory system and most people do not know whom they got it from.

Mosely said mono became known as the "kissing disease" years ago because West Point cadets would come back from home with the illness and assume they caught it from their girlfriends.

Mono is not as contagious as many people believe, he said.

"Influenza is more contagious than mono, and after a week or so of the illness, the contagiousness part has probably passed."

Monday Inside

Heather Anderson sets school swimming record in 400-meter Saturday against Penn State.
SPORTS/PAGE 2

Pack loses to SMU 59-57 Saturday night.
SPORTS/PAGE 2

Flaws too obvious in Electoral College.
OPINION/PAGE 6

Freshman Anderson sets school swim record

By Stephen Stewart
Senior Staff Writer

The N.C. State men's swimming team was cheering "We're back" after Saturday's meet against Penn State and with good reason. The Pack increased their record to 4-0 by trouncing the Nittany Lions 166 to 78. The win also ended a two-game Wolfpack losing streak against Penn State.

Coach Don Easterling was pleased with the victory, but was not as optimistic about his team's future.

"I noticed that the captain began the cheer 'We're back.' Well, we're not, but we're coming back. We've turned that corner.

"We're 4-0 and this is the first time we've been 4-0 in three or four years. We're not totally back yet, but we're closing in on it. We've got the outfit and I'm excited about it," Easterling said.

Winners for the Pack included Dan Judge in the 200-meter freestyle and the 100 freestyle and Chuck Niemyer in the 200 fly.

Kevin Dow captured first in the 1000 free, while Brian Dowling took first in the 400 IM. Dowling finished second in the 200 breaststroke to teammate Adam Fitzgerald.

Mike Lotz took first in the 500 freestyle and Tim Steppe finished

second in that event and in the 1000 freestyle.

In diving, State's Kurt Candler won the one-meter event while Patrick McCord took second. McCord won the three-meter event while Candler finished second.

"I can't single out anyone, everyone did a good job. We didn't expect to win the match by that much. We didn't expect to go 1, 2 and 1, 2, 3 in some of the events. We knew that we were going to have a good meet," Easterling said.

Easterling credits his team's performance to their giving up their Thanksgiving break to practice.

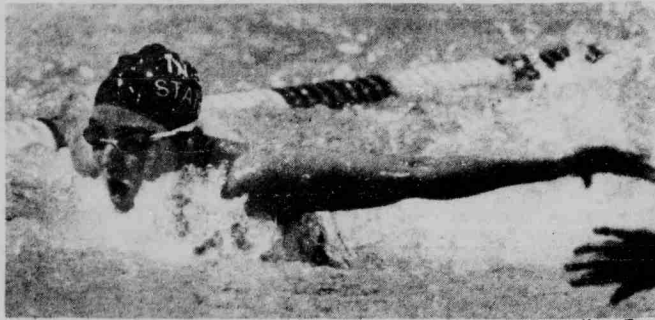
"We gave up our holiday and we got something by giving up something," Easterling said.

"We can swim with the Carolina's, the Virginia's and the Clemson's. We're coming around that corner, but we're not back yet."

The women's swimming team almost pulled off an upset over a heavily favored Penn State team. But the Pack could not overcome the losses of freshmen Sabina Hulett and Laura Mazur, and lost to the Nittany Lions, 169-131.

State, 2-2, also lost junior Crissy MacMillan, who left the meet after one event due to a sore shoulder.

Easterling said despite the loss of those swimmers, the Pack came together and swam tougher than



FRITH/OF KUNTZE/STAFF

Heather Anderson set a school record in the 400-meter individual medley Saturday against Penn State. She finished the event in 4:29.58. State faces UNC-W December 9.

expected. "I don't like losing, but the fight those girls gave for us will live a lot longer than expected," he said. "A lot of people don't realize it, but Laura Mazur didn't participate for us today, and that would have been three first place finishes for us."

Hulett did not swim because of disciplinary reasons, Easterling said.

Freshman Heather Anderson led the Pack. Anderson set a school

record in the 400m individual medley, winning the event in 4:29.58. Anderson also won the 200m backstroke in 2:05.98. .61 seconds shy of the school record. She also finished second in the 100m backstroke.

"I'm so excited for her, but the biggest thing was the fighting heart. This was the most heart I've seen in a Wolfpack team since I've been here," Easterling said.

Julie Pananen and Melinda Moxin

also recorded first place victories for the Pack. Pananen captured the 500m backstroke and the 1000m freestyle with times of 5:05.13 and 10:24.69 respectively. Moxin finished first in the 100m backstroke in 59.70 seconds.

"We won a lot of races we shouldn't have won," Easterling said. With our full line-up in there, it might have been different, but I don't want to ruin the spirit of the kids by saying-what if."

Grapplers pin down third in tournament

From Staff Reports

Heavyweight Brian Jackson won his third individual championship this season and led the 13th-ranked Pack wrestling team to a third-place finish in the Sheridan Invitational at Lehigh University Saturday.



The Pack finished third behind Lehigh and Lock Haven State. State's next home meet is the Dual Meet scheduled for Dec. 10. The matches begin at 9 a.m. in Carmichael Gym.

Jackson defeated Lehigh's John Morris 14-5 to grab one of three Pack individual championships. Head coach Bob Guzzo said Jackson is quickly becoming one of the country's best.

"He is establishing himself as one of the best in the country," Guzzo said. "He had no trouble winning his matches."

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Pack loses in final seconds to SMU

From Staff Reports

The men's basketball team suffered its first loss of the season Saturday night 59-57 against SMU in Dallas.

After SMU's Todd Alexander missed the front end of a one-and-one with eight seconds left, Rodney

Monroe's jumper at the buzzer bounced off the rim to seal the victory for the Mustangs.

Three State technical fouls, two on Chris Corchiani and one on Avie Lester, aided the SMU cause.

State had rallied from a 59-52 deficit with 56 seconds left on a freethrow and jumper by guard Mickey Hinant and two

See MONORE'S, Page 4

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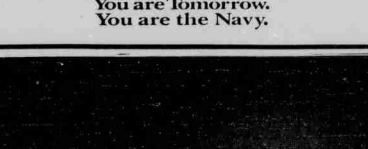
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A Program of the Class of 1989 and the NCSU Alumni Association

Pack defeats Lady Owls in NIU opener

By Joey Wofford
Staff Writer

N.C. State's 15th-ranked women's basketball team overcame a 23 point first-half performance by Temple's Pam Balogh to defeat the Owls 78-66 in the opening round of the Northern Illinois University Fastbreak Festival Saturday in Dekalb, Ill.



Nicole Lehmann

The Pack, led by sophomore Andrea Stinson's 26 points and Nicole Lehmann's 15, broke open a close game in the final five minutes to advance to the tournament championship.

"Our spurt in the last five minutes was a blessing," said State coach Kay Yow. "Temple is a fine team that frustrated us all day with their defense and excellent shooting. We could have lost our poise in such a close game, but we were able to

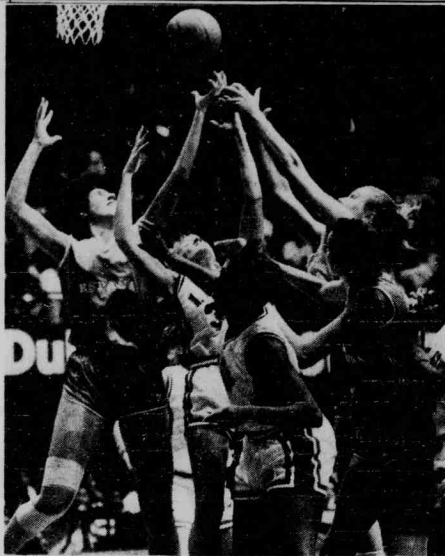
stick together and play some of our best defense."

The women faced tournament host Northern Illinois in the championship game and fell behind by 10 points early in the contest. The Pack regained its shooting touch near the end of the period and was able to pull within 37-33 at the half.

State was able to pull even at 43-43 in the second period, but could not gain an advantage. Northern Illinois jumped out to a six-point advantage with three minutes left, but was unable to put away the younger Wolfpack until the final 44 seconds when several Pack miscues allowed Northern Illinois to take a 78-72 victory.

The loss evens the women's record at 2-2 and marks the second consecutive weekend that they have fallen short in a tournament final. Last weekend, the women fought on even terms with 4th-ranked Georgia in the Communiplex Hall of Fame Classic before bowing 68-58.

State's next game is Wednesday, when they face Western Carolina at 6 p.m. in Reynolds Coliseum in their home opener.



MARC KAWANISHU/STAFF

The Pack faces Western Carolina December 7 at 6 p.m. in Reynolds Coliseum.

Monroe's jumper falls short, Pack falls to SMU

Continued from Page 2

freethrows by Corchiani before running out of steam.

Monroe led the scoring for the Pack with 22 and Lester added 10. State shot 36 percent for the game to the Mustangs' 34 percent, but SMU held a 50-36 rebound advantage. Kato Armstrong led SMU with 17 points.

"I was disappointed in the tangibles and the intangibles," Jim Valvano said. "The first tangible was

we didn't shoot well. The second was that we didn't rebound well, and we gave them too many second shots.

"The intangibles were the technicals. They really disappointed me. I didn't get one, but the players got three. Those are the points that really come back and bury you."

SMU is 1-1 on the season. State, which fell to 2-1, takes a two week break before facing Alabama State in Reynolds December 20 at 7:30 p.m.

Stokes, Jackson, Lantz win individual titles

Continued from Page 2

In the 126-pound division, Michael Stokes defeated Lock Haven's Jeff Husick, 2-1, while in the 167-pound division, Michael Lantz won by default. No other team had more than two individual champions. Guzzo praised his team for its third-place finish.

"The fact that we had three champions is a credit to the kids," he

said. "It is a very competitive tournament and the teams are nationally ranked."

State went into the match without three starters. Joe Cesari (142), Jeff Kwormik (158) and Tim Veler (150) did not wrestle.

"We were without three starters," Guzzo said. "If we had those guys in the match, we might have had a good opportunity to win. We wrestled exceptionally well."

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NCR SALUTES: THE WINNERS OF THE STAKEHOLDER ESSAY COMPETITION



"Progressive companies have begun to think beyond the traditional relationship of the firm to society and have begun to manage all of the relationships upon which they depend for survival. Firms that don't follow suit may regret their short-sightedness."

Murray B. Low, Winner
NCR Stakeholder Essay Competition

Some of today's most important ideas are held in trust by the leaders of tomorrow.

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NCR is proud to salute the first prize winner, Murray B. Low of The Wharton School, The University of Pennsylvania; and the second prize winner, Ron Gilbert of The University of Iowa. NCR also congratulates the 98 national and state award winners, as well as their schools. Their names are listed below.

Our sincere thanks to all who entered the competition. Their ideas promise a bright future—for themselves, and for business the world over.

STAKEHOLDER ESSAY COMPETITION WINNERS

- | | | |
|--|---|--|
| First Place
Murray B. Low
University of Pennsylvania/
Wharton School of Business | Peter Donati
Cornell University/Oxford
Gabrielle Douglas
University of Miami
Timothy Dunning
Purdue University/Kramert
Chris Dyke
University of Florida
Vanita D'Silva
Virginia Polytechnic Institute
George Ellis
University of Michigan
Brent Endeble
Ohio State University
Judith Finestone
Drexel University
Duane Ford
East Texas State
Bruce Friedman
Harvard Business School
Eran Gartner
Cornell University
Marc Gredinger
University of Maryland
William Hammer
Northwestern University
Philip Hutchison
David Lipscomb College
Thomas Irwin
Hawaii Pacific College
John Jacobs
North Carolina State
Scott Johnston
Brown University
Stephanie Jordan
Appalachian State University
Andrew Scott Keating
Dartmouth College
Sonya Kelly
University of Nebraska
Charlotte Klaus
University of Denver
Gail Koren
Kent State University
Michael Kuhn
Washington University
Lawrence Kupers
U.C.L.A.
David Lambert
University of Florida
James LaPrath
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Signe Larkin
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Douglas McMahon
University of Virginia
Russell Meier
Rice University
Susan Ann Milne
Williamette University
Brian Minney
University of Maryland
Ernest Ndukwue
Michigan State University
Matthew O'Niska, III
University of New Mexico | Etienne Weiss Ozonak
Earham College
Elizabeth Parsons
Northwestern University
Bradley Pick
Northwestern University
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NCR's Mission: Create Value for Our Stakeholders



PHOTO COURTESY WEINTRAUB ENTERTAINMENT

Jewel (Molly Ringwald) and Larkin (Andrew McCarthy) share a tender moment in "Fresh Horses," a story about obsessive and intoxicating love.

Don't buy columnists expensive presents; ripped out magazine pages will do nicely

GREENVILLE — It's the holiday season, when you buy presents for your garbage men and plumbers, and people have been asking me if they should get their newspaper columnist something special.

The answer is yes. But before you rush out and buy some expensive gift — say, a leather motorcycle jacket or one of those goofy Opus dolls — remember that these are not the type of gifts you should give a columnist for Christmas.

Not even the complete Lewis Grizzard collection.

The best thing to give them is what they do. Give them ripped out articles from other magazines. Not articles about how to write properly or how tasteless they are, but articles about things they enjoy writing

Joe Corey

PARTY FAVORS . . .

about and people they idolize.

Like for me (as a very obvious example), a couple pages from a Miles Davis interview would be a thoughtful present. A couple magazine photos from "La Dolce Vita" would be perfect.

And even if the columnist already has the article, it would be a present that the cheapskate couldn't try to return.

Also, home-mixed tapes of music the columnist ought to be listening to are good things to mail.

A basic rule of thumb: if it can fit in an envelope, it's the perfect gift.

Dead Meat

What is it about really bad films and those Brat Pack kids? "Fresh Horses" is a New Jersey cut of a film. I guess it's an interesting story for some really crummy "Million Dollar Movie."

At first I thought it was going to be the story of some girl shacking up with Mister Ed against her parents' wishes. Wrong once again.

The film is actually a lame tale of a college boy (played by the dynamic Andrew "I'm not in the Brat Pack, and I'm not Rob Lowe"

McCarthy) about to marry his dream woman. Then he wanders onto the wrong side of the tracks and meets the mysterious woman (played by the always lovely and talented Molly Ringwald, with her big pouty lips making a guest appearance).

And, of course, those moral problems crop up.

Molly's character is a lying femme fatale, and maybe I wouldn't mind it if the content of "Fresh Horses" wasn't so damn goofy.

My main problem with the film is the press photo of Molly. Her hair is just too bright red. It looks like flax. Is that a word?

It is now.

Zack said I'm only condemning

See ARTISTS, Page 7



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Technician Opinion

December 5, 1988

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. College life without its journal is blank.

Technician, vol. 1 no. 1, February 1, 1920

Editorial

Disaster responses go beyond expectations

Little good can be said about the tornado disaster that struck North Raleigh one week ago. Two people lost their lives, over a hundred were injured, and almost a thousand were left homeless. Millions of dollars of property damage were incurred. To sit back and try and say, "To each dark cloud there is a silver lining" would be frivolous and immature. Still, something needs to be said about the prompt community response that has resulted in the storm's aftermath.

Emergency responses to the victims of last Monday's tornado have been extraordinary. There has been so much that it is practically impossible to single out any group or organization for special coverage. Professional emergency organizations like Red Cross and the Salvation Army have done their best to meet the immediate needs of the homeless and injured. The Raleigh police department has gone beyond its normal community obligation to ensure that damaged residences and neighborhoods were protected from looting. Area radio and television stations have set up emergency telethons for monetary donations to tornado-victim funds. Thousands of dollars have been raised with more still coming in.

It is the response of Raleigh residents that should restore faith in the basic goodness of mankind. Even the most cynical person has to be touched by the support shown by hundreds of area volunteers who have donated their time, clothing, food, money, etc., to help ease the plight of the storm victims. Even North Carolina State University groups and organizations have gotten involved. Various fraternities and sororities like Alpha Phi Omega, Sigma Phi Epsilon and Sigma Kappa had their members out cleaning up neighborhoods, raising emergency funds and guarding against looting. WKNC FM-88 held a remote radio operation to collect donations. Student Government held similar activities.

Perhaps one of the most touching student responses from NCSU came out of the Student Senate last Wednesday evening. Following a special parliamentary motion made by senators Susan Brooks and Shelley Cole, the Senate unanimously decided to donate the remaining funds from this semester's budget to Wake County's tornado victims. While the actual dollar amount is small — \$387 — the intent behind the motion is what makes it special.

Inane platitudes like "Raleigh will be a better city because of this trouble," or "Our community will be drawn closer together because of this disaster" are worthless. No one could ever wish that this city or any other for that matter should suffer through such an occurrence to build community spirit. Last week's tornado was a tragic, random event that took lives, destroyed homes and scared the landscape. No metaphysical significance should be attached to it.

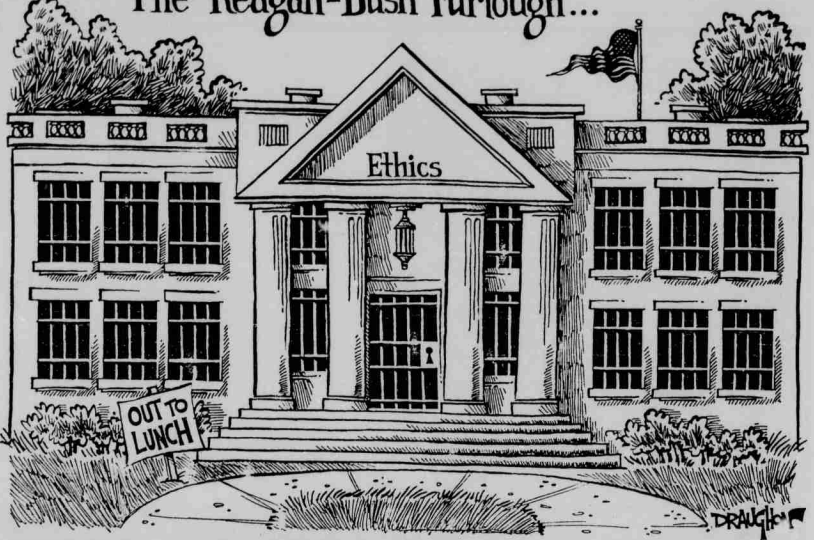
But we are impressed by our community's response to this disaster. At least in this regard not enough praise can be applied.

I TAKE FULL RESPONSIBILITY!



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The Reagan-Bush Furlough...



Flaws too obvious in Electoral College

Just when you thought the election was over, you find out it's not. The electors of the Electoral College still have to decide who are going to be our president and vice president.

In a recent editorial in the New York Times, the editors reminded the electors, who were chosen by each state to represent the candidate who won the state's popular vote, that they are not constitutionally bound to support the candidates they are pledged to. The New York Times urged the electors to abandon their commitment to Dan Quayle for vice president and to select someone else for the office. Therein lies one of the fundamental flaws of the Electoral College system.

The system, created by the members of the Constitutional Convention of 1787 as the quickest and easiest choice, has long been the subject of dispute. Several problems besides the so-called "faithless elector" are inherent in the system, including the possibility that the popular vote winner will not be the winner in the election, the "winner-takes-all" unit rule of the states' electoral votes and the dominance of big states in elections.

There have been three instances in the nation's history where the will of the people was thwarted by the Electoral College system. The first was in 1824 when the decision of who were to become president and vice president was made not by the people, but by the U.S. House of Representatives, as called for by the system's contingency rule that sends the decision to the House when there is a tie in electoral votes. In 1833, Benjamin Harrison with 233 electoral votes defeated Grover Cleveland with 168 electoral votes, even though Cleveland received 90,000 more popular votes than Harrison. And in the 1876 election, the most disputed election to date, popular vote winner Samuel Tilden lost by only one

Susan Brooks

OPINION COLUMNIST

electoral vote to Rutherford Hayes based on a questionable decision by a special Congressional Electoral Commission. Tilden was quoted as saying after the election, "I can return to private life with the consciousness that I shall receive from posterity the credit of having been elected to the highest position in the gift of the people, without any of the cares and responsibilities of the office."

The unit rule presents a similar problem because a candidate can receive less than 1% more of the popular vote than his closest competitor in a given state, yet will receive all of that state's electoral votes. No matter how close the popular vote or how small the turnout, the top vote-getter is effectively awarded all the votes of that state. Many citizens do not bother to vote for this very reason; they see their votes lost if cast for the losing candidate, or ineffective if cast for the winning candidate. In short, the Electoral College system causes people to believe that votes do not count.

The Electoral College is also characterized by the assigning of electoral votes to states based on their congressional representation. This process, as shown in the Banzhof Study of 1968, gives a California voter 2.546 times the relative voting power of a voter in the District of Columbia. In this case, the system is not "one man, one vote," but rather "one man, 2.546 votes."

Even if a candidate receives a plurality of

the popular vote and the necessary electoral votes to win election, these facts still do not ensure that he will become president. The actual electors, as previously stated, are not bound to cast their ballots for these candidates. They can vote for anyone they wish, based on any rationale. In fact in 1968, a North Carolina elector changed his vote at the last minute from Richard Nixon to George Wallace.

Clearly the Electoral College needs some reform. The best alternative of the many that have been proposed is the direct national popular election plan. It is the most equitable system, and is the system least fraught with pitfalls. Direct election would make every vote equal in every part of the country and would increase voter participation. It is the only method that ensures that the candidate with the highest number of popular votes will necessarily be elected. France and several other European countries use direct elections with much success. Seventy-six percent of people polled in the South and 81% in the East, the Midwest and the West support direct election of the president. The plan has been presented more than once before Congress, the most recent time in the form of a joint resolution in 1969. The resolution passed overwhelmingly in the House and was only narrowly defeated in the Senate.

If our government is truly "by the people, of the people, and for the people," then the people should decide who runs their government. The outdated Electoral College system should be abolished and replaced with a better, more effective system. As a letter-writer to the New York Times once put it, "the Electoral College should go the way of the dinosaur."

Susan Brooks is a junior majoring in English at NCSU.

Christmas cheer needed during exams

Christmas is coming! You can tell before it even hits December. First was the Christmas parade before Thanksgiving (I guess Santa is more exciting than a turkey on a float), then the holiday cartoons, then the "Frosty the Snowman" and "The Grinch Who Stole Christmas" shows, and finally, there were the wrapped and hidden presents in the same familiar spots around my house.

So, what else is new. Every year we all complain that everyone is rushing Christmas. What happened to fall? Never mind fall, what happened to summer? It's hard for college students to get into the real Christmas spirit when there are exams looming larger than life on the horizon. My roommate and I tried our freshman year to bring a touch of homespun Christmas to our dorm room (which was the size of a closet). We bought a live Christmas tree, strung lights all over the room and set up a manger in the corner. It was so beautiful and we had it up a whole day before our RA told us we were creating a major fire hazard and the tree would have to go. We begged and pleaded with her, but she was not a jolly old soul so out the tree went. It wasn't a total waste because we donated it to a home for runaway boys, but the room did look empty.

My point is that it's time for students to get into the spirit of Christmas. I know exams are coming but you don't study 24

Jeannie Taft

OPINION COLUMNIST

hours a day, do you? Put up a stocking, string some lights around your fish tank, or get up a group and go Christmas caroling at Chancellor Poulton's house (he might even invite you in for hot toddy).

There are two things you should not do, however. They are to go see the movie "Ernest Saves Christmas" or to go to the mall. The movie will probably make you hate Santa and his reindeer forever and the mall will be like taking a trip through hell. Nothing will turn you from Santa to seroerge faster than being shoved, poked and kicked in the shins by a bunch of overzealous shoppers. I thought Christmas promoted peace and goodwill toward humankind, not how to grab that last Transformer before the wench behind you does.

I know this isn't easy because everything I put off all semester was due this week, and when my boyfriend suggested that we go

look for Christmas trees, it was all I could do not to tell him what he could do with his good cheer. After I thought about it, though, he does have the right attitude. There is no reason why we all can't shout Merry Christmas in the middle of all the work that's due, instead of letting out a string of expletives that would kill a cat.

A great place to start with your newfound Christmas attitude is by helping the victims of the tornado dig out what is left of their homes. Instead of getting drunk to let off steam from exams, get out and do some work (you won't even have a hangover the next day). I hate to sound corny but I'm going to say it anyway. The best Christmas feeling you will ever get is giving to someone who needs you. Why not get a couple of friends together and instead of giving each other gifts you'll never use, give the money to the Red Cross for their tornado-victim fund or to a shelter for the homeless. Most students don't have a lot of money but one dollar is more than nothing.

So after you read this go drink some eggnog, eat a piece of fruitcake and help someone who needs you! Have a Merry Christmas.

Jeannie Taft is a sophomore majoring in English at NCSU.

Forum

Face lift should begin in library

We are tired of being the library bitches! Is it too much to ask for some academic seriousness? Without fail, every time we attempt to study in the bookshelves of D.H. Hill, we are confronted with those immature, inconsiderate children who are more concerned with discussing last night's party than the courses their parents are paying for. Granted, we agree that some areas of the library should be designated for group discussions as are the basement and the first floor. But, it is imperative that some areas should allow ABSOLUTELY NO TALKING! Believe it or not, there are

some students at the university who go to the bookshelves to seriously study and not to play kissy face with their girlfriend or boyfriend. If this university is going to spend millions of dollars for an external face lift, don't you think they should concentrate on an internal, academic face lift as well? After all, isn't an educational institution suppose to promote an academic environment? Our suggestion is a simple one: An enforced noise policy where readers will temporarily lose their library privileges. This may seem to be an extreme proposal but we're tired of saying,

"Please shut up!"

Genet Harris
St. Zoology/Human Behavior
Cynthia Woloszyn
Jr. Electrical Engineering

Quote of the Day

The state calls its own violence law, but that of the individual crime.
— Max Stirner

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Artists, including U2, not taxed in Ireland

Continued from Page 5

this film because of Molly's highly-publicized affair with Beastie Boy Ad Rock. But that's not it. I recently saw a photo of Christina Applegate with Blackie Lawless of WASP. Have I yet to discredit "Married with Children?"

Maybe if Mister Ed showed up, I could enjoy "Fresh Horses."

Block Kiss

For those of you wondering what's holding up the release of the fifth issue of Howard Chaykin's "Black Kiss" comic, censorship is the answer. No, it hasn't been banned in North Carolina. Yet. But the company that prints the

adult comic for Vortex Comics has refused to print the new issue, according to the guys over at Foundation's Edge. This action has me wondering what could be in this issue that could top the surprise ending in issue four. Maybe Chaykin can send down some photocopies?

Blowing Pipes

The crowd was on the small side for last Monday night's In Tua Nua show at the Brewery. But the sound was big. This seven piece band from Dublin, Ireland, is no stranger to the Old North State. It's latest record, "The Long Acre," was recorded down in Charlotte with Don Dixon's sweaty fingers on the dials.

"We didn't get to see too much of the place, outside of what you could see from the studio," said Brian O'Brian, electric bagpipes player. "And a couple Mexican restaurants."

This was the tail end of In Tua Nua's first American tour. But the band is no stranger to the road. They were the opening act for the European leg of U2's "The Joshua Tree" tour. One of the advantages of being an Irish band is the fact that artists aren't taxed by the country, O'Brian said.

"It's nice now, but it would be great if we were U2," he added. The crowd was very appreciative of the band's debut in Raleigh. Leslie Dowdall's voice melded well with the violin, bagpipes and

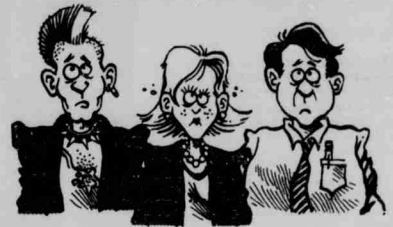
acoustic/electric guitars, which unleashed a subtle power. The set included several songs from the new release and from what Dowdall described as the group's "bargain-bin album." Songs like "Seven Into the Sea" and "Don't Fear Me Now" sounded even better live.

The show finally came to an end with a rousing rendition of The Jefferson Airplane's "Somebody to Love." And this was a band to love.

Quote of the Day

"I have often found pleasure in figuring out means of killing this person or that, or of setting fires without it being noticed."
— Lichtenberg

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Students aid tornado victims

Continued from Page 1

ing one another out of love.

Student Senator Susan Brooks summed up students' efforts by saying, "It's sad that we have to have a natural disaster to band people together, but it's great to see the enthusiasm shown by the students when something does happen."

Officials say the cleanup efforts in the areas struck by the tornado will take several months and many volunteers.

Anyone interested in helping should contact Patricia Zeigler of N.C. State Volunteer Services at 737-3193, the Red Cross or the Salvation Army.



Members of Delta Chi fraternity help transport boxes of goods to tornado victims. MARK RUSH/STAFF

Researchers fashion neural networks for new computers

Continued from Page 1

cal components, Van Den Bout said resistors in the line between neurons may diminish the signal and reduce the chance of the next one firing. And amplifiers can boost up the signal and improve the chances.

Signals may return to the same place and the neurons will fire again, he said. They continue working until they reach the desired output.

"A lot of neural networks that have been built are hard wired, they can't be changed. That means the computer can only solve one kind of problem," Van Den Bout said.

The NCSU research group is developing neural circuits that are not hard wired.

The research group has designed three different architectures and simulated all three, but built only one.

"We store these values as digital words so we can try out different problems," Van Den Bout said. The idea began in the late '50s.

"We didn't have tools to build things. We didn't have the integrated circuits. We didn't have the math to understand the behavior of these neural systems," Van Den Bout said. "Now it got cranked back up again, around 1982," he said.

Neural networks will not eliminate other forms of artificial intelligence like expert systems, Van Den Bout said. But expert systems are not good when data is noisy or incomplete or the field changes quickly. In this case, neural networks can provide solutions.

"A lot of universities are interested and a lot of companies have one or two people investigating, but most companies are not investing a lot in it," he said.

DeJarnette named recipient for teaching excellence

special to Technician

Fred DeJarnette, professor of mechanical and aerospace engineering and director of the Mars Mission Research Center at N.C. State, has been named recipient of the 1988 RJR Nabisco Inc. Award for Excellence in Teaching, Research and Extension.

The award is presented annually by the NCSU College of Engineering and sponsored by RJR Nabisco Inc. through the N.C. Engineering Foundation.

DeJarnette received the award during a ceremony Nov. 9 located in Broughton Hall.

The recognition honors a member of the NCSU engineering faculty

who has "demonstrated superiority in several areas of activity over the years that relate to the university's three-fold mission of teaching, research and extension."

Following the presentation of a \$5,000 check and a certificate by Dr. Larry K. Monteith, dean of the College of Engineering, DeJarnette will deliver a lecture, "Humans to Mars: How Do We Get There?"

DeJarnette is known nationally and internationally for the leading role he has played for three decades in developing fundamental knowledge in the areas of computational and experimental aerodynamics.

His contributions include the development of methods and codes

for computing the heating rates of re-entry space vehicles.

He also has contributed to the fundamental knowledge of boundary layer effects over complex aircraft body and wing shapes, which has helped in the design of innovative aircraft.

DeJarnette's work has made significant contributions to the U.S. space program.

In particular his work has played a role in the design of new vehicles such as the National Aerospace Plane, transatmospheric vehicles, the Aeroassist Flight Experiment Vehicle and supersonic aircraft.

In addition to his leadership of the

Mars Mission Research Center recently established at NCSU by NASA, DeJarnette also directs a major program of research and training in hypersonic aerodynamics at NCSU.

He has supervised the work of 10 doctoral and 25 master's degree candidates.

He has won Outstanding Teacher Awards from Virginia Polytechnic Institute and State University, NCSU and the American Institute of Aeronautics and Astronautics.

DeJarnette is the author of more than 30 technical papers and has lectured on his work across the nation.

He has contributed his expertise to

the activities of numerous professional societies and technical organizations.

A native of Rustburg, Va., he earned his bachelor's and master's degrees in aeronautical engineering at the Georgia Institute of Technology and his doctorate in aerospace engineering at Virginia Tech.

Prior to joining the NCSU faculty in 1970, he served on the aerospace engineering faculty at Virginia Tech.

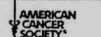
Before this he had worked as an engineer in industry and government, including an aerospace engineering position at NASA Langley Research Center.

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