

News

Thousands attend 96th annual commencement exercises

State bestows first professional degrees

A crowd of 13,000, composed of graduating students, their relatives and friends, faculty and officials, crowded Reynolds Coliseum at the 96th annual commencement exercises Saturday. May 11.

Chancellor Poulton awarded, on behalf of the faculty and trustees, some 3,046 bac-calaureate, 718 masters, 236 doctoral and 13 professional degrees, the first awarded in the state.

Two honorary degrees were

bestowed. Harwell Hamilton Harris of Raleigh, an internationally-known architect who is professor emeritus of architecture at State, received the honorary Doctor of Fine Arts degree.

Dr. Samuel D. Proctor, paston Dr. Samuel D. Froctor, pastor of the Abyssinian Baptist Church of New York City, author and former president of N.C. A&T State University and Virginia Union University, was granted the Doctor of Human Letters.

Steven Rynders of Raleigh was honored as the 1985 valedictorian. Rynders achieved a perfect 4.0 average while mpleting a dual-major pro-COL gram in zoology and chemistry. Jeffrey Lineberger of Dallas,

a civil engineering major, earned a 3.992 grade point average to become salutatorian. Dr. Leo Bustad, dean

emeritus of the College of Veterinary Medicine at Washington State University, gave the principal address,

Staff photo by Roger Winstead

"Writing Your Eulogy." Bustad offered the students his definition of a whole person — a combination of integrity, reverence and compassion.

Drawing on examples such as Dr. Albert Schweitzer, Bustad reminded the graduates that their scholarship and training were only part of the equipment they needed to face the future.

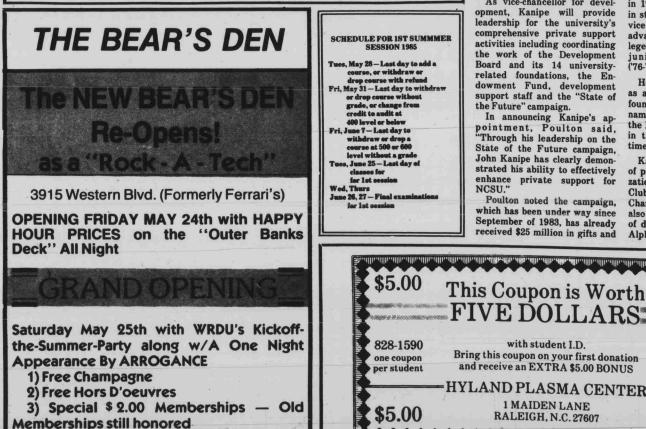
The assignment for all of us is to be a more avid hurler of stars to give others another chance at life," he said.

Seventeen newly-elected members of State's Academy of Outstanding Teachers were announced. Selected from this group by student leaders to represent the academy at commencement and to receive monetary awards were Dr. Catharine E. Moore, associate professor in the Department of Anatomy, Physiology and Radiology in the School of Veterinary Medicine.

Since State holds only one commencement service a year, degrees earned by those who completed requirements since last May were officially awarded during the exercises.

Cure for the summertime blues

High school student Matt Dunlap enjoys the waves and the sun at Atlantic Beach. State students, however, will find no cure for the summertime blues in Raleigh this week as they return to attend summer classes



(You must be 21 years old to join Bear's Den)

Poulton selects State graduate as new vice chancellor

John T. Kanipe Jr. has been promoted to vice chancellor for development effective July 1.

Kanipe's appointment was announced May 14 by Chancellor Poulton following approval by State's Board of Trustees, the UNC Board of Governors and UNC President William Friday. Kanipe will assume fund-

raising responsibilities pre-viously held by Rudy Pate. As vice-chancellor for devel-

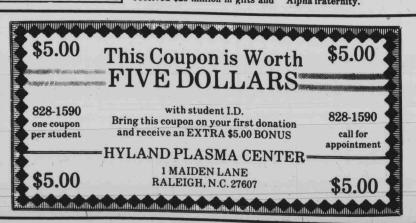
pledges and is more than three quarters of the way toward the \$32 million goal set to be reached by March 7, 1987, the university's centennial date.

Kanipe, a native of Fairbluff, attended UNC-Chapel Hill and holds a bachelor of science degree in agricultural education and a master of education, both from N.C. State.

He began his career at State in 1962 as a graduate assistant in student housing. He has been vice president for institutional advancement at Meredith College and president of a private junior college in Virginia ('76-'77).

He returned to State in 1977 as assistant vice chancellor for foundations. In 1980, he was named director of the State of the Future campaign, which was in the planning stages at that time.

Kanipe is active in a number of professional and civic organizations, among them the Rotary Club of Raleigh and the Raleigh Chamber of Commerce. He is also on the international board. of directors of the Lambda Chi Alpha fraternity.



College Briefs

Looking for an island vacation? The Council on International Education Exchange is recruit-ing students for its second annual youth volunteer service project on Liberty and Ellis Islands. In this program young people from around the world come to help refurbishing ef-forts, and participate in cultural exchange. For more information on this program write: The Council on International Education Exchange, 205 East 42 St. NY 10017.

• Over 250,000 low-income students would be affected by the proposed Reagan administration financial aid cuts says the Amer ican Association of State Colleges and Universities.

The association says that many students from families with an income of less than \$6,000 would lose an average of \$1,160 in federal aid. Almost 100,000 more students, from families with incomes of \$6,000 to \$12,000 annually, would lose aid also. Administration officials

say the aid cuts would only ct students from families affe which earn over \$25,000.
The SAT is no better than

chance at predicting a student's college success, according to recent critics. Author David Owen in his book, None of the Above, says preparatory courses can improve standard-ized test scores by as much as

Researchers at the University of Michigan's Reading and Learning Skills Center found that both SAT scores and high school rank were "worse than chance" at predicting whether student athletes would graduate.

The Duke University student union recently cancelled two film showings after admissions officials expressed fear that they would discourage visiting black students from enrolling at the school.

The films depicted the 1979 Greensboro conflict, in which five Communist Workers Party

Classifieds

Classified ads cost 20¢ per word with minimum of \$2.50. Deadline for ads is 4:00 p.m. two days before your ad is to appear. Bring the ad by 3134 University Student Center. All ads must be prepaid.

Typing

If it can be typed, I can type it. Quickly, Accurately, Reasonable. Mrs. Tucker, 828-6512

Professional typing. Will do RUSH jobs. Near campus. Call 828-1632. (nites or leave message). Ask for Marianne.

Typeset resumes stand out. Next day service-copies available. Many styles to choose. CW & G. 834-5896

Typing/Word Processing-Resumes, reports, mailing lists. Excellent quality, reasonable rates available on weekends. 851-8479.

Typing - let us do your typing at a nable rate. IBM Selectric II. Call Ginny 848-8791.

Help Wanted

Char-Grill needs part-time and summer Flexible hours'-good pay. Call 833-1071 after 3 pm.

GOVERNMENT JOBS. \$15,000 \$50,000/yr. possible. All occupations. How to find. Call 1-805-687-6000 Ext. R-4488.

Summer employment available part-time, FLEXIBLE – perfect for college students. Close to campus (less than a mile). Car Shop Food and Dairy. Call 828-3359. Ask for Donnie.

Immediate opening full/part-time help Zabolli's Deli 396 Weştern Blvd 832-6699.

Part-time help wanted. Must be willing to work evenings/weekends. Apply is person at Coffee, Tea & Thee, Crabtree Valley Mall.

Professional Lawn Spray company needs part-time and full-time help. No experience necessary. Call 878-9668.

PUT YOUR SPARE TIME to good use participating in EPA research on the UNC campus. Earn at least \$5/ hour plus travel reimbursement, help the environment, get a free physical. Wanted: healthy, non-smoking males, age 18-35. For more information call 966-1253 collect, Monday-Friday, 8 am-5 pm.

Typesetting-resumes, reports, manu-scripts. Disk storage available. Variety typefaces. Professional camera of ready copy.

18 to 30 year-old white males with respiratory colds and flu are need for a paid research study at the US Environmental Protection Agency, Cha-pel Hill. Subjects must be in good

eneral health no asthma or hayfever. Non-smokers only. Please call Ms. Hooker or Ms. Rusch-Behrend at 541-2603 or Dr. Voter at 966-1055. Please call as soon as possible if you think you are getting a cold or the flu.

Miscellaneous

Abortion to 20 weeks. Private and confidential, GYN furnished with Saturday and weekday appointment available. pain medications given. Free Pregnancy test/ Toll-free: 848-8582. Location : Chapel Hill.

Apartment for sublet, May 15-Aug 22, 3 bedroom, all utilities included, call 851-8019 after 8 evenings

GOVERNMENT HOMES from \$1 (U repair). Also delinguent tax property. Call 1-805-687-6000 Ext. GH-4488 for information

Leased Parking ½ block to your building or Dorm. Guaranteed space. 834-5180 24 hr. answering.

Lost Gold Seiko Watch, safety clasp is broken. If found, please contact Maria at 737-5515. Reward is offerred.

members were killed in a shootout with Nazis and Klansmen.

Students who scheduled the film showings had hoped to recruit filmgoers to attend the March trial of people allegedly involved in the shooting. • College students are drinking

less according to a study by BACCHUS, a national student organization promoting re-

sponsible drinking.

The results show that, since 1981, alcohol comsumption by college students has declined from 53 to 46 drinks per month for males, and from 39 to 29 for females.

• To blunt the sting of federal cuts, the University of Tennessee-Chattanooga expanded its financial aid program to include guaranteed loans for

honor students and off-campus jobs for others.

The two additions to the financial aid program will help as many as 700 students, many of whom would lose aid under Reagan administration budget cuts. By intensifying the search for off-campus, part-time work, university officials eventually hope to guarantee students jobs before they enroll.

Important Reminders From the University Cashier and Student Accounts Office

1. Tuition Change and Refund Deadline - The last day to withdraw or drop courses with a refund or reduction in tuition is Monday, May 27, 1985. The tuition charge is based on the official number of hours and courses

in tuition is Monday, May 27, 1985. The tuition charge is based on the official number of hours and courses carried as of 5 p.m. this day. 2. Adding and Dropping Courses — Upon adding course work that results in an increased fee, students should present the official add form and payment to the cashier in Room 2 Peele Hall. The tuition charge is based on the official number of hours and courses carried at 5 p.m. on Monday, May 27, 1985. 3. Financial Aid — Financial Aid recipients and students receiving financial aid for the 1985 first summer session who have not signed their financial aid authorization forms should do so immediately at the cashier's office, Room 2. Peele Hall. Recipients are required to sign the authorization form before the financial aid funds

office, Room 2, Peele Hall. Recipients are required to sign the autorization form before the inflatian funds can be applied to their educational expenses or disbursed to them. It is important to sign the authorization form each semester immediately after registration since failure to do so may result in the cancellation of financial aid with funds being returned to the sponsoring account or agency. 4. Additional Course Fees — Special course fees and students enrolled in courses requiring computing facilities 4. Additional Course Fees — Special course fees and students enhance in course fees to quiring computing inclusions and software, a laboratory, or a project experience must pay a course fee to partially offset the cost of necessary equipment and operation. The course fee will not exceed \$30 per summer session and will be assessed for courses officially carried at 5 p.m. on Monday, May 27, 1985. Please phone 737-2986 if there any questions. The Cashier's Office hours are 8:30 a.m. to 3 p.m. weekdays.

Sigma Phi Epsilon Summer Housing \$150.00 negotiable Call 834-5862. room, utilities, and air condition \$110 per session. Call Bruce or Dave at 832-4118.

SUMMER APTS. Furn. kitchen, \$160. on, \$225/month for single Summer ses occupancy. OX Fraternity, 834-3585.

For Sale

For Sale: Panasonic PLL Multiplex

Durham 383-8376

For Sale: Trek 12 speed bicycle, very good condition. \$300 or best offer. Call Rick at 734-5863 in Goldsboro

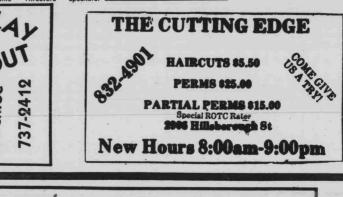
fuel-injected 5-speed convertible) Beautiful, fast car; perfect shape engine/body (Rose-wine color); Digital

Classifieds Get Results

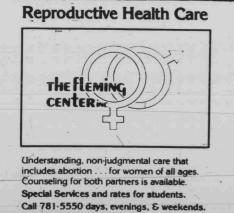
THE CUTTING EDGE

tennis. 3 miles from campus 859-0337.

Roommates







Chloe

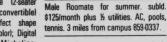
call

Circuit Stereo contains tape deck, turntable, and AM/FM radio. 2 Panasonic "Thrusters" speakers.

stereo autoreverse, Michelins, McPhersons, etc. Only 36,500 miles (rebuilt transmission), very clean; leaving country next month. \$5600.

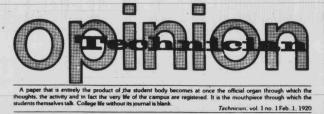
1982 Fiat X/19 Bertone (2-seate

Wanted



200 points.

Researchers at the University



Fire bombing shows lack of consideration

When a police helicopter dropped an incendiary bomb over the headquarters of the extremist organization MOVE, it betrayed the lack of thought that the city's officials gave to the situation.

Clearly, there was no simple solution to the problem: the eviction of the group. In a letter to Mayor W. Wilson Goode two days before the siege, MOVE declared that it would burn and destroy the neighborhood. Unfortunately, Goode beat them to it.

Although city police used tear gas, the members had firmly entrenched themselves into their bunker, armed with rifles and pistols. They even had their own generator in order to run a PA system after the city had shut off their electricity.

GRADUATING

The gasoline used to power the generator caught fire when the bomb exploded, killing 11 people and burning down 62 houses

Before dropping the bomb, the police and especially Philadelphia Mayor W. Wilson Goode should have considered the possible consequences. They should have reckoned that firefighters would not work under fire.

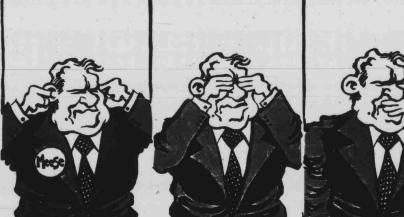
Furthermore, the city officals should have considered the close proximity of the "friendly" houses.

Now there are hundreds homeless. Perhaps a siege would have taken more time, but at least innocent bystanders wouldn't have had their houses burned down in a crusading holocaust.

and those who cannot afford

To Go To College Because OF BUDGET

CUTS.



WHEN E.F. HUTTON* STEALS ... * OR ANY OTHER MONSTROUS CORPORATE ENTITY.

Wrestling becomes hip

Now that professional wrestling has become the "in sport" many people still have questions about the sport. So to answer these questions and enlighten the masses I have compiled a list of most asked questions by the novice spectator. So break out the highlighter and your old copies of *Inside Wrestling*. Just in case you still have any questions send them in to Technician, and a second list might be released.

DRANGIAN

What is the rock and wrestling connection?

A Madison Avenue wet dream This is what the WWF (World Wrestling Federation) created to put wrestling matches on MTV.

For those not following this really exciting event, Cyndi Lauper (She's So Unusual) has become the patron saint of the good wrestlers and even the manager to the women's world champion. She has however turned down a match with Wendy O. Williams (Plasmatics) proving that Cyndi wants to have her fun, but also wants to walk.

What's the objective?

To pin your opponent for a count of three or beat him into a bloody pulp. Unless the guy is supposed to lose then he must be able to fake pain.

Why has it gained popularity so quickly?

It hasn't gained popularity, but it has finally learned how to manipulate certain parts of the media. For

COREY Editorial Columnist many years wrestling matches have sold out such noted arenas as the Boston

JOE

Garden and Madison Square Garden. The matches were considered local events and the colorful local sportscasters in these cities would use highlights of important matches as a sidebar to football and baseball highlights.

Now Vince MacMahon Jr. (head WWF) has decided to bring wrestling out of the closet and force it upon the average American who doesn't watch it on those odd hours by bringing it to Cable and NBC. His manipulation has even gone as far as Sports Illustrated which gave the "sport of the '80s" over 20 pages, but the magazine did go into more depth than the official WWF fan magazine will ever do.

The most shocking thing is how Vince got NBC to replace "Satur-day Night Live" with wrestling matches and talked the Network into giving Hulk Hogan a Saturday morning cartoon show. Wonder if he'll be teaming up with Mr. T when the going gets tough. Wonder if Vince will call it the wrestling and roadrunner connection

Do Yuppies really go to the matches?

Not that many Yuppies go to the matches, for they are on the same night as "Dynasty" and presidential press conferences.

Is it hip to go to the matches?

It's always hip to go to the matches because they are enter-tainment at its best. Where else can the viewer see compassion for a fellow man, patriotism to one's country, loyalty, devil worshipping, lust, greed, good and bad guys, good old-fashioned humor and of course one man beating his fellow man to a bloody pulp without being educated. The world could live without Shakespeare plays, but never without wrestling.

What would happen if I piledrived my best friend in the street? You'd get five to life for man-

slaughter Is Roddy Piper the Dylan Thomas of the '80s?

He is that and having met him I can also say he is a wonderful human being.

Is it for real?

For the main part wrestling is the world's greatest tumbling act as the wrestlers are more out to entertain the folks than ACC basketball. Once in a while things can go wrong and serious injuries do occur

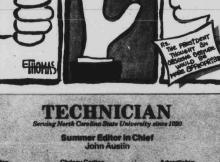
One point to mention is that you never call a wrestler a fraud to his face because they may fake it in the ring, but what he does to you will be painful.

Forum Policy

nclan welcomes Forum letters. They are likely to ed if they: with significant issues, breaking news or public

ist, typed or printed legibly and do limited to **300** words, and signed with the writer's addre writer is a student, his classifica

me in criter. me the property of *Technician* > the author. Letters should be r Suite 3120 or mailed to *Tec* tor, P.O. Box 8608 University 8000



a presidential salute to...

Those Leaving For Personal Reasons



Op-Ed

FAA fails to report near-midair collisions

WASHINGTON - Imagine you are in an airplane that has just made a frighteningly shaky landing in rough weather. Imagine further that the pilot has just announced that one of the galley crew had taken the aircraft in. You'd probably never fly that airline again.

Sometime it's easy to develop a similarly low degree of confidence in the Federal Aviation Administration (FAA).

This was the case last month, when Transportation Secretary Elizabeth Dole, whose department includes the FAA, acknowledged that her 46,000-employee FAA was underreporting the numbr of near-midair collisions (NMAC) in the nation's airspace.

In an unpublicized letter to Christopher Witkowski, executive director of the Ralph Naderinspired Aviation Consumer Action Project (ACAP), Dole said she "appreciated the time and effort expended by your organization (ACAP) . . . concerning our near-midair collision incident statistics and our current reporting and

investigative procedures involving these type of incidents.

Last January, Witkowski dis-closed that the FAA had been improperly recording the number of near collisions for the past two years. In 1983 and 1984, 102 near collisions went unreported to the public, he said.

When this report was released, FAA official Ed Pinto admitted that several of the agency's regional offices had failed to forward their near-miss reports to headquarters, but that there was no reason for alarm.

And to some degree Pinto was right. On the average, 50,000 irplanes take off and land without incident in this country every day. Moreover, the last midair collision involving a major airliner occurred almost seven years ago, when 144 people perished in San Diego in the crash of a private plane and a Pacific Southwest airliner.

Yet, during the first quarter of 1985, the FAA received 146 NMAC reports, compared to 98



incidents during the same period in 1984. Last week a Republic airliner nearly collided with a private aircraft over Lake Michigan. And weeks before that, two widebody Northwest Orient airliners almost collided on a runway in Minneapolis.

With an expected 10 percent increase in airline traffic this summer, air safety experts like Christopher Witkowski are alarmed. The basis for their concern is deregulation. Since 1978, deregulation has led to increased competition among airlines. Accordingly, the airlines have cut corners to ensure their market share. Meanwhile, the FAA has relaxed jetliner safety standards at their request.

Of course, the FAA has tightened some regulations too. For, example, the agency recently proposed to tighten flammability standards for materials used in airline passenger compartments. In response to a petition, the FAA also approved a requirement to provide modern medical equipment on airlines; currently, it only requires that airlines carry oxygen and first aid kits that include a few bandages and splints

But consider how the FAA has responded to airline concerns about delays in takeoffs. The delays are due in large measure to the airlines' unrealistic scheduling practices and a 40 percent reduction in the number of controllers since 1981. For their part, the airlines have asked the FAA to reduce minimum separations in high altitude sectors and reintroduce stacking of airplanes.

Such a posture, according to ACAP director Witkowski, would result in a serious reduction in the of an air traffic control safety

system that is already under severe strain

Unfortunately, the preliminary changes the FAA is implementing in the name of air safety resectoring quadrants in the sky and improved early-warning air traffic computers — seem more directed at preventing airliner delays than ensuring safety.

Safety experts like Witkowski aren't asking too much. They only want the FAA to take an active role in finding a solution to a series of safety problems, such as why pilot reports of near-midair collisions aren't being confirmed by the agency

Too often political creatures like Secretary Dole forget that the FAA is entrusted with the public safety in aviation. So when her agency is confronted with its inadequacies, it should deal with them promptly and openly. After all, air travelers need to know that shoestring public interest groups aren't the only ones looking out for their interests.

85. News America Syndicate



ABORTIONS UP TO 12TH WEEK OF PRENANCY

\$185

Abortions from 13 to 18 weeks at additional charge. Pregnancy test, birth control, and problem pregnancy counseling. For futher information call 832-0535 (toll free in state, 1-800-532-5384, our of state, 1-800-532-5383) between 9am-5pm

"Gyn Clinic" RALEIGH WOMEN'S HEALTH ORGANIZATION

917 West Morgan St., Raleigh, NC 27603

•Multiple Originals

BOGEBS & ASSOCIATES Word Processing Service •Speedy Service •Reasonable Rates •IBM Equipment

> 508 St. Mary's Street 834-0000

RUSSIANS ADELPHIA POLICE

Wakefield Apartments Announces Free **Direct Bus Service To And From Campus!** Exciting

off-campus living only \$373.50* per semester!

Four students sharing two bedroom unit just \$83.00** per month! Two students sharing one bedroom unit \$154.50** per month!

You're just 12 minutes from NCSU, adja-cent to Wake County Medical Center and the Beltline. Nine month lease available.



the Beltline. Nine month lease available. Keep your housing cost way down with up to 4 students per apartment. Enjoy Ra-gram! Year 'round indoor swimming pool, plush clubhouse, saunas, exercise room, tennis and volleyball courts, outdoor pool. Modern one and two bedroom plans feature air conditioning and carpet. Cable, HBO and rental furniture available. Direct bus service to NCSU on Route 15. For complete information and a pool pass, visit our model apartment!

Summer Session Leases Available! 3105 Holston Lane, Raleigh. Phone 832-3929. In North Carolina, call toll-free 1-800-672-1678. Nationwide, call toll-free 1-800-334-1656. "Special student rate based on 4 students sharing two bedroom unit. Rent is per student and includes transportation. ""Per month per stude



Science and Technology

Engineer commended by ASEE

Richard Felder, State pro-fessor of chemical engineering, has received two major honors from the American Society for Engineering Education (ASEE) for his outstanding contribution to engineering education.

Felder has received a \$1,500 AT&T Foundation Award for excellence in the instruction of engineering students. He was cited as an engineering educator "who combines intellectual capacity with a superb ability to communicate ideas to students." In a second recognition, Felder received a \$300 award for his paper entitled, "Does Engineering Education Have Anything To Do with Either?" published in the November issue of the ASEE journal, Engineering Education. The paper was selected as the 1985 Outstanding Engineering Education Paper in the society's Instructional Unit competition.

Felder, graduate ad-ministrator in the Department

of Chemical Engineering and State Alumni Distinguished Professor, has gained broad recognition for his abilities and achievements. In 1982, he was winner of the engineering school's prestigious R. J. Reynolds Industries Award for Excellence in Teaching, Research and Extension. As part of the \$5,000 Reynolds award, which is renewable each year for five years, he delivered a lecture upon which his winning ASEE paper was based.

Felder is co-author of the text, Elementary Principles of Chem-ical Processes, which is currently the most extensively used chemical engineering textbook in the United States.

He has published more than 70 technical papers in such areas as computer simulation of chemical processes, chemical reaction engineering, environmental science and technology, and radioisotope applications in in-dustry. He also has written seven papers related to engi-neering education.

He has presented seminars and short courses on process-related subjects to industrial and research institutions in the United States, Europe and South America.

Felder earned his bachelor's degree in chemical engineering from the City College of New York and his master's and doctoral degrees from Princeton University.

"Reheated" turkey scrutinized

In a recent test for warmedover flavor conducted at State, the turkey failed with flying colors.

"The turkey is prone to develop warmed-over off flavors following cooking and refrigera-tion more than any other meat," says State food scientist Brian Sheldon.

But he hopes to relieve turkey - and precooked turkey pro-ducts - of this distinction. Recent research in the State Department of Food Science shows that vitamin E in the turkeys' diets may help preserve fresh flavor.

According to Sheldon, deteriorated flavor in meat can develop from rapid oxidation of polyunsaturated fats. In other words, such fats — which are rich in carbon - quickly combine with the oxygen in air, producing the bland flavor characteristic of reheated turkey.

Says Sheldon, "We've learned that by feeding turkeys vitamin E, we can slow the oxidation of these unsaturated fats and, in turn, retard the development of warmed-over flavors."

His research has added importance to North Carolina, the nation's leading turkey-producing state, since precooked turkey products are becoming more popular.

The increase in demand for precooked turkey products by the food service industry and by frozen food processors is causing greater percentage of the a

meat to go into partially cooked or precooked turkey products," Sheldon said. The food scientist hopes that

viable solutions to the off-flavor problems in products such as turkey rolls, patties and nuggets will increase the saleability of the state's poultry and provide opportunities for introducing

new meat products. "Products will have a longer shelf life, which means expanded markets," he said.

The emphasis of Sheldon's research, supported by the Louis Rich Co., a major poultry processor, and Hoffman-La Roche Inc. Pharmaceuticals, is to determine the mechanisms that cause warmed-over flavors to develop.

"We're not feeding the birds something alien. All we're doing is elevating the levels of vitamin E in the tissues to protect the fat and retard oxidation," Sheldon said.

But Sheldon suspects that the cause of these flavors in turkey and other meats is more complex.

The oxidation of fat and resulting flavors also may be controlled through adjustments in the fat levels or by changing the types of fats in the birds' diets, he said.

The fat levels in the turkeys could possibly be raised. If so, the meat would be less susceptible to fat oxidation and not as likely to develop "reheated"

flavor. Says Sheldon, "Adjusting components and to identify dietary fat is something that compounds that affect aroma we'll be looking at in the and flavor. future."

State-of-the-art laboratory procedures enable Sheldon to separate flavors into individual

"In order to identify good and bad flavors in precooked turkey products, we're also employing

the food science department's trained test panel," he said. "All of the scientific results are meaningless unless we can cor-relate our findings with the consumer's perception of good taste."





Man-made dune will increase knowledge of dune erosion "Pseudo-dune" being studied

Man-made sand dunes are not uncommon by any means. Such dunes are often built to replenish an eroded stretch of beach.

But a dune planned by a State coastal engineering research team will serve a different purpose. The test dune is being built on North Carolina's Outer Banks for field studies on beach erosion.

The research project is directed by John Fisher and Margery Overton, of the State engineering department, civil and Spencer Rogers, State civil

and spencer logers, black civil engineering extension specialist. The coastal engineers are studying dune erosion in the laboratory and in the field to help develop mathematical tools managing North Carolina's coastal development. Supported by state and feder-

funds channeled through the University of North Carolina's Sea Grant Program, the project is aimed at developing a model to predict the rate of dune erosion from a single storm and also at documenting shoreline changes.

Currently, the researchers

...

say, regulations on locating coastal construction and rates for flood insurance are based on long-term dune erosion rates and do not adequately account for the dune destruction a single storm could cause.

"We need to be able to predict shoreline changes to meet the needs of future property owners and developers for guidelines that will prevent costly mistakes."

The coastal engineers hope their basic model will provide a means for preventing property loss due to storms.

In preliminary laboratory studies, the team already has developed a computer-generated shoreline model. The model was based on data gathered from a simulated dune erosion process carried out in a 40-foot long wave tank located in the coastal engineering laboratory, in the civil engineering department.

Now, the team will pursue field studies at the coast to verify and refine the model.

The research dune will be built at a shoreline site adjacent to the Field Research Facility, on the Currituck Banks. It will be approximately 20 feet long and eight feet high.

The research facility, operated by the Coastal Engi-neering Research Center of the U.S. Army Engineers Waterways Experiment Station, is a concrete pier 1,841 feet long and 20 feet wide. It is equipped with various instruments for measuring waves, tides and shoreline changes.

The instrumented pier and the shoreline adjacent to it provide us with a unique oppor-tunity to build a temporary research dune for collecting data needed to refine our computer dune erosion model," said

sophisticated technology offered by the pier facility, an artificial dune must be built since the natural dunes in the area are located high on the backshore.

The team will observe the dune erosion process at the research center, using videotaping techniques, devel-oped during the laboratory phase.

"Since the North Carolina coast is subject to frequent winter and summer storms of moderate severity, we are in-terested in how the test dune will respond to different wave conditions," said Overton. She said that other models

developed by coastal engineers were based primarily on in-formation collected after extreme storms.

Fisher also noted that these models have been helpful in providing background for the specialized State dune erosion project.

Among the variables the researchers are considering in their model are wave and surge conditions, dune vegetation, the friction provided by the beach face and the distribution of sand that has been released by the eroding dune. Field testing will be done over a period of two storm seasons.

In the meantime, the team will also simulate these storm waves in the laboratory, using the wave tank, for additional data

When the computer model is enhanced, following the field studies, it will allow the engineers to predict the extent of dune erosion for any given set of surge and wave conditions. Fisher, Overton and Rogers will then apply the model to a number of selected sites along the North Carolina coast.

The researchers stressed that the economic impact of erosion can be significant when it becomes necessary to move homes, relocate roads and utilities and develop new recreation areas.

"We need to be able to predict shoreline changes to meet the needs of future property owners and developers for guidelines that will prevent costly mistakes," they said.

A future annual Shoreline Advisory Report planned by the Sea Grant Program will include the progress of their coastal research as well as an overall assessment of shoreline conditions.

"We want to provide this information to coastal resource managers, other researchers and private property owners in a way that will be useful to them in their objectives," they emphasized.

Overton.

To take advantage of the



When It's Pizza Time, Call

Sponsored by RECR. COMM. HANG GLIDING **ADVENTURE** AT KITTY HAWK, N.C. Saturday, June 8th NCSU Students :\$55.00 **General Public:\$65.00 Register in 3114 Student Center.** Deadline to register: June 4th at 5pm. PRICE INCLUDES BEGINNER'S LESSON,

FLIGHTS, AND TRANSPORTATION FOR MORE INFO: CALL 737-2453

Features

Classes on windsurfing will be offered by UAB

Surf's up!

Who says you can't have summer fun without being at the beach? A free introductory class in the sport of windsurfing, sponsored by the Union Activities Board, will be held on Wed., May 29, 1985, from 7:00 to 9:00 p.m. in the South Gallery, located on the second floor of the Student Center. This class will windsurfing theory plus a windsurfing film. No registration is necessary.

If enough interest in the summer fun sport is shown, a second session, combining one hour of dry land instruction on a windsurfing simulator and one hour of in-the-water experience, will be offered at the following

consist of a lecture on times: Sat., June 1, 9:00 a.m. to 12:00 p.m.; Sun., June 2, 12:00 p.m. to 4:00 p.m.; and Sat., June 8, 9:00 a.m. to 12:00 p.m.

Registration is required for these sessions, which will be held at Falls Lake north of Raleigh. Register in room 3114, Student Center or call 737-2453 for more information. Space is limited to six persons per class, and more classes will be scheduled if there is a heavy interest. It is important to note that

the free introductory class on May 29 is a prerequisite to any of the others. No one will

be allowed to take a wet class without first attending the May 29 class. One of the

wet classes may be signed up for before the introductory

Staffers head south for vacation frolics

Once again the rag-tag fugitives of justice otherwise known as the *Technician* staff donned their OPs and Jams and headed down to their sacred watering hole of Myrtle Beach. To get a good idea of what I'm talking about, take a gander at the cover of this paper. Scary, isn't it?

Now many people will not appreciate some of the things that went on down south, simply because they don't understand who we are. But, there were some things that were rather funny, even to the ignorant bystanders.

For instance, Dennis Draughon, while sitting in the hallway of the hotel one night, found Charles Lindbergh and Amelia Earhardt. Quite an ac-complishment I'd say.

Once again the center of attention was Fritz, our stuffed gorilla-like friend. He always draws a lot of stares when he sits out in the sun with his hat sits out in the sun with his hat and assortment of drinks. For a stuffed animal, he's quite a character. He got a lot of laughs when a passerby asked him if he needed a refill for his pina colada. He got even more laughs when he answered yes.



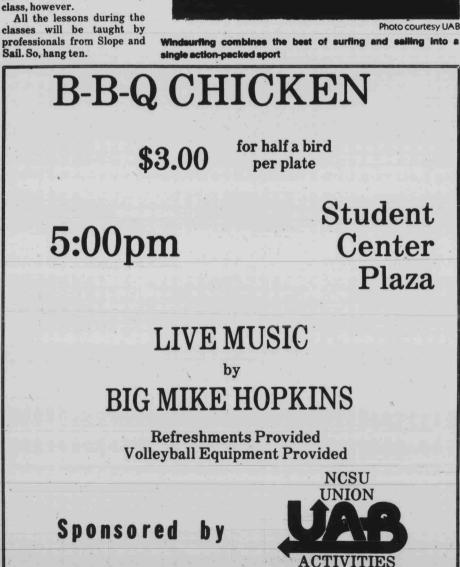
Some of our group, who I won't mention by name for fear of death, bought some rather lewd buttons at a beachwear shop, and prominently displayed them on their shirts. If ignorance is bliss, these were happy fellows. They forgot about their new apparel until they went into an ice cream shop ran by two innocent-looking southeast Asian ladies and frequented by a kind elderly couple. Their em-rassment took a little of the flavor out of their banana popsicles.

Enough rambling. I hope this will be a good summer, and I hope that I will have the time and energy to resume my writ-ing career. I know you had hoped that wouldn't happen, but all good things must come to an



in writing during the summer sessions? Could turn out to be the best thing you ever did. Call 737-2411 and ask for Tim. Have some fun in the sun writing interesting features.

BOARD



May 24, 1985 / Technician / Features / 9

Entertainment

Summer music & movie news

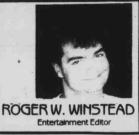
REM, Pressure Boys play relief concert



WE OFFER COMPLETE SKIN CARE SERVICES.

Hi. It's time again to have fun in this wickedly silly season we call summer. To all you wackocrazoids doing time this summer — welcome to the pleasure dome. I'm your friendly entertainment editor, and it's my duty to inform you and bore you. Let me say that I have just recently returned from Myrtle Beach, S.C., and I must apologize for the lack of entertainment in this first issue. I promise that from this date forward I will deliver more than this. So for now, I am sorry. Here's the news:

MUSIC: John "thank God I'm a country boy" Denver has just released a new album titled Dreamland Express. His first video is from the LP, which is a little jazzier than most of John's recent music.... Fear no Evil is the new one from that heavy group Grim Reaper.... Evelyn Champagne King is ready to embark on a nationwide tour. She opens at Scoffield Barracks in Hawaii on the 28th and most of the concerts are for the folks in uniform.... IRS has left the wings of A&M Records releases and hopped over to MCA.... From the 'Hot Diggity' files: Squeeze is back together again! Look for the new single, "The Last Time Forever" to be out in June. . . REM is just about done with album -3. Fables of the Reconstruction. It's due soon...



. Look for new John Cougar Mellencamp in July, entitled This Old World. . . Duran Duran has a hot one its hands. A View to a Kill is the new James Bond thriller and the Fantastic Five have the lead cut on the top of the charts....

MOVIES: Speaking of 007. The latest Bond epic opens tonight across the U.S. The world premiere of A View to a Kill was held last night in San Francisco. A full time was had by all.... Principal photography for MGM/UA's Poltergeist II: The Other Side began last week in Hollywood. Everybody's back for the sequel, except Steven Spielberg: . . . Speaking of Spielberg: His Goonies is due soon. Others due: Fletch with Chevy Chase (he's back from Europe making Nat-Lamp's European Vacation), Brewster's Millions starring Richard Pryor and John Candy (Candy's in Asia with Splash co-star Tom Hanks making Volunteers) and Rambo: First Blood Part II starring Sly Stallone (working on Rocky IV now, with First Blood III in the works. . . Also beginning shooting this summer is another sequel Psycho III with Anthony Perkins once again slashing up the screen...

Monday. Noon. Event. REM. Me and Dixon. Pressure Boys. Xenon. others. Meredith Ampitheatre. Tickets. Record Bar. Benefit. Hunger. Wow. Be there. Aloha.

Well. It's about time to bid farewell for now. It's off and away. Until next we meet. This is me saying "turnip salat."





Yngwie J. Malmsteen Rising Forces

The debut album by Yngwie J. Malsteen and Rising Forces is the best heavy metal to come out this year with some of the best rock instrumentals to come out in the past five years. Yngwie is one guitar player

Yngwie is one guitar player who can go from classical acoustic guitar pieces to hard electric strumming without losing the essence of the number.

The record has the instrumental qualities of ELP's "Tarkus," King Crimson's "Lark's Tongue in Aspic" and the Grateful Dead's "Space".

"A lot of music today has some pretty shoddy lyrics that pull the song down," said Peter. Gabriel and Yngwie must have heard that and followed suit by having only two of the cuts ("Now Your Ships Are Burned" and "As Above, So Below") have lyrics that are all right because he has sung them at a minimum and not through the whole song. The rest of the album is a cross between hard rock, Gothic church-like music and the classical acoustic guitar.

Yngwie captures the essence of Ritchie Barrymore, Steve Howe and Robert Fripp – giving the record a progressive heavy metal sound which has been the downfall of many groups, but with Rising Forces it has never sounded better. -JC ON · JOA I

Bon Jovi 7800 Degrees Fahrenhreit A&M Records

The reason artists like Malmsteen normally don't get airplay is because groups like Bon Jovi flood the market with their pseudo-heavy metal and MTV videos.

To be blunt, this record has nothing truly orginal or unexpected on it. Where Malmsteen carves out a musical piece, Bon Jovi grinds out another heavy metal anthem.

I've been down and mistreated Now we won't be cheated Now we're standing undefeated King of the mountain

Lyrics such as those could be written by any teenage youth in a garage band.

The main problem is in the singing as Bon Jovi (the singer) can not truly express himself. His range goes from a high pitch whine to a scream, and this gives each song the same feeling. A moose in heat has the same range as Bon.

The album has a few saving graces, but overall the group seems to put more time into their style and rock videos than into the writing of songs that have no more depth than bubble gum rock played at a 100 decibles. -JC

DON MURRAY'S

\$9.95 plus tax



Various Artists Girls Just Want to Have Fun Polygram Records

Soundtracks are in this summer and for this vain attempt at entertainment, they should be well on their way out."Girls Just Want to have Fun." No duh! Cyndi Lauper's tune has sparked a movie, and that of course has a soundtrack. Lord have mercy on the producer's soul.

ducer's soul. The entire album is predictable and boring. With the exception of two or three songs, I wouldn't give this piece of solid oil another chance. "Come On and Shout," "On the Loose" and "Wake Up the Neighborhood" are the only decent tunes on the soundtrack, and they could use some help as well.

"Wake Up the Neighborhood" by Holland is a fast, new wavie, slam-dancer that is fantastic until the lead vocalist opens his mouth. Murder is a crime. His voice belongs on heavy metal sheet rock, not the dancing beat of this song. "Come On and Shout" by Alex

"Come On and Shout" by Alex Brown and "On the Loose" by Chris Farren are two well-made tunes which deserve a listen, with "Come On and Shout," a peppy, up-beat little ditty, deserving some air-play. The title track "Girls Just Want to Have Fun" is by far the worst on the album. Lauper does not appear. Instead some Muzak reject named Deborah Galli. It is pure disco, rip-off version of the very popular hit. Horrible.

As a whole, the LP is too much in order. Each song can be identified with parts in the movie before the movie is ever viewed. Funny thing. There is no love song included. Most have love songs of some sort. Maybe the movie is all sex and no love. Maybe this album is all trash and no good.

SUZANNEVEGA



Suzanne Vega Suzanne Vega A&M Records

Set deep in the tradition of folk music, Suzanne Vega's first album attempt deserves much credit and praise. Delivering sounds from the Village, Vega has produced an album as simple and soothing as her background.

From the opening tune "Cracking" to the closing "Neighborhood Girls," this debut LP leaves the listener feeling like an entire concert of

May 24, 1985 / Technician / Entertainment / 11

greats has performed. In each song a specific influence can be identified. The sounds of Lou Reed, Joni Mitchell, Bob Dylan and Judy Collins can be easily picked from this fine menu of music.

The best on the album may very well be the story of a soldier in "The Queen and the Soldier." Well written and sung, this tune is the tale of a soldier who quits the battle and asks his queen why they fight. Finding no good cause, the queen decides to call it off, but while waiting for the queen to do so, the soldier is killed.

Two more fine songs are "Knight Moves" and "Small Blue Thing." "Knight Moves" deals with the insecurity of relationships and the singer is compelled to ask over and over:

Do you love any, do you love none

do you love many, can you love one do you love me?

and "Small Blue Thing" is a poetic look at the solitude involved in relationships:

I am cold against your skin You are perfectly reflected I am lost inside your pocket I am lost against your fingers

Asserting herself through strong acoustic guitar, the entire album is a lovely collection of Vega's thoughts and ideas, in which she shares with her listeners the imagery of confrontation in the hard, cold world in reality.

-RWW

reviews by:

Joe Corey Roger W. Winstead



EXCELLENT WAGES

APPLICATIONS WILL BE TAKEN ON TUESDAYS FROM 11:00 AM - 2:00 PM

STUDENT CENTER BROWN ROOM

AN EQUAL OPPORTUNITY EMPLOYER

Picnic with Don Murray's. Feed a family of four special includes: 1 pound of barbeque, 1 pint of cole slaw, 1 pint of potatoes, 1 whole chicken, and 1 dozen hushpuppies. Phone 832-9100 for take out.

> Don Murray's Avent Ferry Road Mission Valley Shopping Center

Crawford nets four; expects to sign more

Todd McGee Sports Editor

Tennis coach Crawford Henry has received commitments from four players, including a junior college all-American, to attend State next fall.

Katie Fleming, a native of St. Petersburg, Fla., heads the list of signees. Fleming, whose sister Meg just completed her freshman season for the Pack netters, was unbeaten in high school and ranked third in singles in the Florida region. Fleming is also ranked in the top 10 nationally in girl's 18 doubles.

Henry called the straight 'A' student a "legitimate superstar" and said he expected her to contribute immediately to the program.

You always expect them to," he said. "But you never really know for sure.

Henry also inked another Floridian, Christa Doiran. Doiran is 12th-ranked in singles in the Florida region.

Rounding out the women's ecruits is Mary Lloyd Hodges. Hodges will transfer from Peace College in Raleigh, where she was a junior college all-American. The Henderson native played No. 1 singles both years at Peace, compiling a sterling 36-5 record against a schedule full of division I schools.

"I'm thrilled about our re-cruiting," Henry said. "It's extremely good, almost out of sight recruiting for the women."

The lone signee for the men's team so far is Alfonso Ochoa. Ochoa, who is top-ranked in doubles in his native Mexico, has been training at John Newcombe's Competitive Edge school in Texas, and will enter

the Wolfpack camp as a fresh- who failed to win a conference man next fall. Henry said he hopes to bring

in more recruits for the men,

match for the second year in a row in 1985 en route to a last-place finish in the league

tournament. The women netters were 2-5 in regular season ACC play this spring and finished seventh in the league tourney.

Sports

Carolina captures Cup

North Carolina captured the prestigious Carmichael Cup for the 1984-85 athletic season. The cup, which is named after the late William D. Carmichael, Jr., is given annually and signifies which ACC school has the strongest men's athletic program

The Tar Heels won only one outright championship, in wrestling, but scored enough points to nip second-place Virginia, 62 to 57.5. State was in third place, with 55 points. Points are awarded on a basis of eight for a first-place finish, seven for a second, and so on.

Carolina has won or shared the award for nine straight years, and for 14 of the 24 times it has been awarded.

The Wolfpack had first-place finishes in track and swimming and second-place standings in basketball and wrestling to highlight its effort.

Two schools, Virginia and Georgia Tech, recorded their highest finishes ever. The Cavaliers were paced by its league winning soccer and cross coun-try teams, while the Yellow Jackets, who finished sixth, had the conference champion in golf. Had post-season tournaments counted, the Jackets would have had champions in basketball and baseball as well.

This may be the last year the cup will be awarded. The league's athletic directors have voted to discontinue the award, which was first given in 1962.

Howard breaks state long jump mark

Senior long jumper Jake Howard established a state record in the long jump Sunday at the Wolfpack Invitational.

Howard leaped 26 feet and 21/2 inches, breaking the yearold mark of 25-101/2 set last year by St. Augustine's Timothy Leach. Howard's jump came on his fourth attempt and qualified him for the NCAA track championships next week in Austin, Texas. Other standouts for the Pack vere sprinter Harvey McSwain, who won both the 100 and 200-meter dashes; Than Emory,

who captured the shot put with a toss of 50-1; and Frank Anderson, who won the 400meter hurdles with a clocking of 50.94.

Wolfpack women went 1-2-3 in the 1,500 meter run. Kathy Ormsby won the event with a time of 4:24.71, and was followed by teammates Renee Harbaugh and Stacy Bilotta. Jennifer Dunklin claimed third-place finishes in the 200 and 400 meters for the Pack, while Lynne Strauss finished second in the 3,000 meters, behind Clemson's Judith Shepherd.

Let's Go

WINDSURFING

Free Introductory Class consisting of a lecture and a film Wed., May 29th 7-9 pm South Gallery 2nd floor Student Center No Registration **Required!**

"Wet" Classes scheduled for Sat., June 1st 9 am-12 noon Sun., June 2nd 12 noon-4 pm Sat., June 8th 9 am-12 noon

at Falls Lake NCSU Students :\$ 25.00

General Public:\$ 30.00 Register in room 3114, **Student Center**

For more information Call 737-2453 Limited number of spaces available.

Sponsored



*To take a "Wet" class you MUST have attended the introductory class on May 29th.



A sixtuple bogey?

Bill Lathrop and Tim Ellington tied for first place in the First Annual Dave Sneed/Technician Pro-Am Invitational Myrtle Beach Golf Classic at the Cane Patch Country Club and Bar and Grill in Myrtle Beach, S.C. Phil Pitchford (pictured here) rounded out the field of eight with a 57 over par 111, a mere 49 strokes back of Ellington and Lathrop.

PAR GOLF Family Entertainment Center Upper and Lower Driving Range Deck Pitch 'Putt 9-Hole Course Miniature 18-Hole Course **Birthday Parties** Group Rates - Golf Instruction C Video Games Sandwiches, Snacks, Drinks

DENTRATE

ALL FAGILITIES LIGHTED FOR NIGHT PLAY Students, Senior Citizens, Ladies Special Rates - Mon. - Fri. 9-5 (except holidays) 772-5261 5715 Fayetteville Rd. - 401 South 2 ml. South of 70 401 Split Open 7 days a week - year 'round